BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

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Order Instituting Rulemaking Concerning Energy Efficiency Rolling Portfolios, Policies, Programs, Evaluation, and Related Issues.	Rulemaking 13-11-005 (Filed November 14, 2013)

MOTION OF SAN DIEGO COMMUNITY POWER ON BEHALF OF THE SAN DIEGO REGIONAL ENERGY NETWORK FOR APPROVAL OF ENERGY EFFICIENCY PORTFOLIO APPLICATION

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January 5, 2024

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Pursuant to Rule 11.1 of the California Public Utilities Commission's ("Commission") Rules of Practice and Procedure, and in accordance with the requirements and process set forth in Decision ("D.") 19-12-021, D.12-11-015, and related Decisions, San Diego Community Power ("SDCP"), on behalf of the San Diego Regional Energy Network ("SDREN"), hereby submits the following Motion For Approval of Energy Efficiency Portfolio Application ("Motion"). SDCP respectfully requests Commission approval of the SDREN 2024-2031 Strategic Business Plan ("Business Plan"), SDREN 2024-2027 Portfolio Plan, Budget, and supporting documents (together, the "Portfolio Application"). As set forth below, the Portfolio Application satisfies the procedural and substantive requirements for the formation of a new Regional Energy Network ("REN") and is both reasonable and consistent with the Commission's policy goals. As such, SDCP requests that the Commission approve the Portfolio Application in its entirety and authorize SDREN to begin offering its Portfolio of Energy Efficiency ("EE") programs within its proposed service area in 2024, at the requested funding levels.

SDCP is submitting this Motion in accordance with the process set forth in Ordering Paragraph ("OP") 2 of D.19-12-021. OP 2 sets forth the Commission's process for submitting new REN proposals stating, in relevant part: "a proposal for a new regional energy network… may be

brought to the Commission at any time via a motion in the open energy efficiency rulemaking."[1] However, SDCP has aligned its Portfolio Application with the requirements and timing of the Commission's established rolling portfolio process, most recently updated in D.21-05-031.[2] This includes:

- Submitting the SDREN Motion and Portfolio Application to align with the same cadence of funding as the existing Portfolio Administrators' ("PA") Portfolios;
- Providing a Business Plan, Portfolio Plan, and tables developed using the Energy Division's templates adopted in accordance with D.21-05-031; and
- Complying with program segmentation and other substantive program requirements adopted in D.21-05-031.

Included as Attachment A to this Motion, SDCP is providing the following SDREN Portfolio Application documents:

- Exhibit 1: SDREN's 2024-2031 Strategic Business Plan
- Exhibit 2: SDREN's 2024-2027 Portfolio Plan
- Exhibit 3: Appendices
    - Appendix A. Acronyms, Abbreviations, and Definitions
    - Appendix B. County of San Diego Letter of Support
    - Appendix C. Stakeholder Feedback
    - Appendix D. Letters of Support
    - Appendix E. CAEECC Presentation and Summary Report
    - Appendix F. CPUC Checklist

[1] D.19-12-021, Ordering Paragraph ("OP") 2 (December 5, 2019).

[2] D.21-05-031, OP 5 (May 20, 2021).

- Appendix G. Letter of Commitment to Cooperate
- Appendix H. SDREN and SDG&E Comparison Matrix

- Exhibit 4: SDREN's Responses, Pursuant to Energy Division Template
  - SDREN's Energy Efficiency 2024-2031 Application Tables, Pursuant To Energy Division Template
  - SDREN's Energy Efficiency 2024-2027 Supplemental Budget Narrative Information, Pursuant To Energy Division Template
- SDREN 2024-2031 Energy Efficiency Application Excel Sheets

I. THE PORTFOLIO APPLICATION MEETS THE REQUIREMENTS SET FORTH IN D.19-12-021.

SDCP respectfully requests that the Commission authorize SDREN to provide EE service as a new REN. In Ordering Paragraph 2 of D.19-12-021, the Commission set forth the required elements that must be included in a motion to form a new REN. The motion must:[3]

1. Provide a description of the REN's new and unique value to contribute to California's energy, climate, and/or equity goals.
2. Provide a detailed description of the new REN's proposed governance structure and demonstrate that the REN represents more than one government entity.

In addition, the motion must provide the following documentation:

1. A business plan proposal that has been presented to at least one meeting of the California Energy Efficiency Coordinating Committee ("CAEECC").
2. A "letter of commitment to cooperate" from each existing PA with whom the new REN's proposed activities will overlap.

[3] D.19-12-021 at OP 2.

3. A written summary of feedback received from the CAEECC meeting and any other stakeholder input, along with the response or changes that were made as a result of the input.
4. A proposed set of energy savings targets.
5. A proposed set of goals and metrics.
6. An estimate of benefits and costs according to the Total Resource Cost and Program Administrator Cost tests.

Together, this Motion and the SDREN Portfolio Application satisfy each of these requirements.

A. SDREN Will Provide New and Unique Contributions to California's Energy, Climate, And Equity Goals.

As discussed in detail in SDREN's 2024-2031 Business Plan,[4] SDREN will provide a new and unique contribution to current efforts to achieve California's energy, climate, and equity goals. SDREN will focus on the principles of environmental equity, collaboration, and community-driven strategies to spur innovation. The uniqueness and value of SDREN is the guiding strategy to focus on the local community as a driving force in meeting State goals. Notwithstanding any legal or administrative barriers, community-based organizations will be compensated and engage in capacity building to maximize non-energy benefits for equity customers. Community-driven program planning with in-language support defines the approach to supporting the County of San Diego's Regional Decarbonization Framework. SDREN's collaborative approach to leveraging a wide range of stakeholders and goals offers a unique value not yet realized in the San Diego region. With the evolution of the EE portfolio segmentation, advancement of the Environmental and Social Justice ("ESJ") Action Plan 2.0, and advent of Integrated Demand Side Management

[4] Exhibit 1, SDREN 2024-2031 Business Plan, pp. 5-9, 36-42.

("IDSM") programs, SDREN program offerings are tailored to meet Commission guidance on low global warming potential refrigerants, leverage multiple value streams for IDSM programming, and address the localized workforce needs to meet and surpass codes, standards, and statewide policy while delivering new value to the local region served. At the same time, in the pursuit of decarbonization, SDREN has identified equity concerns in the workforce market that disproportionately affect minority groups, and both residential and non-residential customers including the public sector, schools, and tribes.[5] SDREN will offer a portfolio of EE programs that address these challenges, achieving five key outcomes:

> Portfolio Outcome 1: Reduce energy burden and improve energy affordability. As customers move from methane gas to electric appliances, they should not see increased costs.
>
> Portfolio Outcome 2: Improve health and reduce energy consumption across the region. When done effectively, building electrification leads to both health benefits and a reduction of energy use.
>
> Portfolio Outcome 3: Improve access and increase program participation by reducing program complexity and helping program participants understand how best to manage their own energy consumption. Education is at the foundation of an equitable transition and ease of access to all resources.
>
> Portfolio Outcome 4: Maximize benefits to customers by leveraging additional funding, such as Inflation Reduction Act (IRA) funds, to deliver IDSM strategies. Coordination of these resources will maximize benefits to the customer.
>
> Portfolio Outcome 5: Create access to career pathways in clean energy, supporting a trained clean energy regional workforce with high-quality jobs.

By pursuing and achieving these outcomes, SDREN will provide a new and unique contribution to current efforts to achieve California's energy, climate, and equity goals.

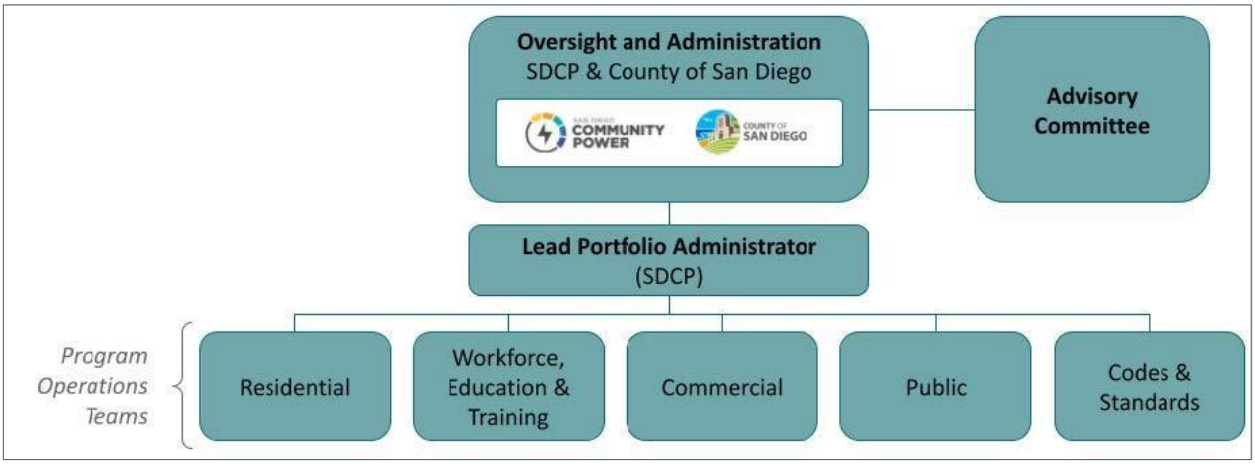
[5] Exhibit 2, SDREN 2024-2027 Portfolio Plan, pp. 84, 91, 95.

B. SDREN's Governance Structure Complies with the Requirement Set Forth in D.19-12-021.

San Diego County covers approximately 4,210 square miles, including 70 miles of coastline, bordered on the south by Mexico. San Diego County is the second most populous of California's 58 counties and the fifth largest county in the United States, with a population of 3.3 million. The region is highly diverse in its geography and biology, situated in the rolling hills and mesas that rise from the Pacific shore to join with the Laguna Mountains to the east. The Kumeyaay, referred to as Diegueno by the Spanish, were the original inhabitants of San Diego County. The San Diego region is built on Kumeyaay and Luiseno land, with the unincorporated area of San Diego County being home to 18 Tribal communities represented by 17 federally recognized Tribal Governments, more than any other county in the United States. San Diego Bay is one of the country's finest natural harbors, hosting tremendous biodiversity. The region covers a large area of vastly different terrain, from miles of ocean and bay shoreline, densely forested hills, and fertile valleys to mountains, canyons, and deserts. This is reflected in the region's diverse range of climate zones: the coastal climate zone 7, inland climate zone 10, mountain climate zone 14, and desert climate zone 15.

As required by D.19-12-021, SDREN is being formed by more than one local government agency. The governance structure will be led by San Diego Community Power (a Joint Powers Authority) and the County of San Diego (a California county). SDREN leverages the region's capacity and experience to create a strong and collaborative structure. The region has a strong history of collaboration and engagement in EE programs. A key focus of this structure is an advisory committee which reflects the demographic diversity of the region. The following chart depicts the SDREN governance model.

Figure 1. SDREN Governance Model



The SDREN governance structure is described in detail in SDREN's Business Plan.[6] The Oversight and Administration team of SDCP and the County of San Diego will provide portfolio-level vision and strategy, enact program changes during the portfolio cycle, and oversee future Business Plan development. Important decisions will be made using a consensus process. The goal is to reach a consensus for any significant portfolio-wide issues. However, if a consensus is not achieved in a timely fashion, a mediator will be used to make a final decision as a last resort. SDCP and the County of San Diego will proactively identify potential non-consensus issues early and work with impacted parties constructively.

C. The SDREN Portfolio Application Has Been Presented to CAEECC and Received Broad Stakeholder Feedback.

A summary of SDREN's Portfolio Application was presented at a full CAEECC Meeting held on November 29, 2023. A copy of the SDREN CAEECC presentation is included as Appendix E in Exhibit 3 to the Portfolio Application. A written summary of feedback received from the CAEECC meeting is also provided in Exhibit 3, Appendix E to the Portfolio Application. General

[6] Exhibit 1 at 10-14.

questions covered the role of the Community Advisory Committee and governance structure. SDREN outlined its diligence in the market characterization and the guiding principle of catalyzing collaboration. The distinction between SDCP and SDREN was also clarified in that SDREN is not a division of SDCP, and SDREN has a county-wide footprint, which is larger than SDCP. In addition to presenting at CAEECC, the SDREN Partners conducted significant outreach to communities in the SDREN area, receiving broad support for the SDREN proposal. Questions were addressed regarding the level of engagement that occurred to form the Portfolio Application, and responses were detailed. General feedback from CAEECC was positive and supportive of SDREN submitting a successful Portfolio Application.

Outside of CAEECC, and in alignment with SDREN's guiding principles, comprehensive engagement with key stakeholders was conducted during the preparation of the Business Plan. Key stakeholders included regional and community organizations as well as energy efficiency stakeholders across the state.[7] A majority of feedback was overwhelmingly positive with support for the formation of an SDREN, along with the proposed structure, values, strategies, and programs. A total of 44 letters of support for SDREN are provided as Exhibit 3, Appendix D to the Portfolio Application, and a summary of stakeholder feedback, along with the response or changes that were made as a result of the input, is included in Exhibit 3, Appendix C.

D. The Portfolio Application Includes All Information Required by D.19-12-021.

The SDREN Portfolio Application provides all additional information (not discussed above) required by D.19-12-021. The location of this information is provided in the following table:

[7] *See* Exhibit 1 at 17-20.

Table 1: SDREN Index of Information Required by D.19-12-021

Required Information/Documents	Location(s)
A "letter of commitment to cooperate" from each existing program administrator with whom the new REN's proposed activities will overlap.	Letter of Commitment with SDG&E is included in Exhibit 3, Appendix G
A proposed set of energy savings targets.	Energy savings targets discussed in Exhibit 2, Projected Sector-Level and Portfolio-Level Cost Effectiveness, pp. 20-21 All metrics and savings goals are detailed in Exhibit 4, SDREN'S Energy Efficiency 2024-2031 Application Tables, Pursuant To Energy Division Template
A proposed set of goals and metrics.	Goals and metrics are discussed in Exhibit 2, Key Metrics and Outcomes Unique Value metrics and targets are detailed in Exhibit 4, SDREN'S Energy Efficiency 2024-2031 Application Tables, Pursuant to Energy Division Template
An estimate of benefits and costs according to the Total Resource Cost and Program Administrator Cost tests.	Forecasted TRC and PACs are included in Exhibit 2, Projected Sector-Level and Portfolio-Level Cost Effectiveness, p. 20 They are also detailed in Exhibit 4, SDREN'S Energy Efficiency 2024-2031 Application Tables, Pursuant To Energy Division Template

II. THE COMMISSION SHOULD APPROVE THE PORTFOLIO APPLICATION.

A. SDREN's Proposed Portfolio Is Reasonable and Meets the Requirements of D.12-11-015.

Decision 12-11-015 requires that to be approved by the Commission, a REN's proposed activities must fall under at least one of the following criteria:[8]

1. *Activities that utilities cannot or do not intend to undertake*. The rationale for this should be obvious – if a REN can deliver a service to the market that the utilities cannot, it should be considered.

2. *Pilot activities where there is no current utility program offering, and where there is potential for scalability to a broader geographic reach, if successful*. In this case, the concept would be to test program delivery that is different or unique, for potential to be scaled up to a statewide approach delivered either by RENs and/or by utilities in the future.

3. *Pilot activities in hard-to-reach markets, whether or not there is a current utility program that may overlap*. These activities may or may not be intended to be scalable to a larger area. The rationale is that hard-to-reach markets (including multi-family and low- to moderate-income residential, as well as small commercial) need all the help they can get to achieve successful energy efficiency savings. A piloted approach may work well in a particular geographic region because of its specific characteristics, or it may be appropriate for a wider delivery by RENs and/or utilities elsewhere.

All of SDREN's proposed activities meet at least one of these criteria. SDREN's Portfolio proposes one Resource Acquisition program, five Equity programs, three Market Support programs, and one Codes and Standards program. Several of these programs will contribute to SDREN's total system benefit ("TSB") forecasts by offering measures and services not covered by other PA programs. Most, if not all, of SDREN programs will also drive participation in SDG&E programs through referrals. This will, in turn, contribute to the region's TSB goals.

[8] D.12-11-015 at 17; D.19-12-021 at 4-5.

SDREN will offer the following five equity programs:

- *Residential Equity Program (single-family*) – will create a home energy advisor for residents that will serve as a personal concierge-style service to connect them to program information, funding, and financing opportunities. The energy advisor will refer and connect residents to all eligible program resources and will act as a closed loop between participants and program service providers by coordinating with SDREN-supported contractors and contractors supporting other external programs. The program will offer a growing and evolving knowledge base to support participants. The primary goal of this program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.
- *Multifamily Residential (two or more units)* – will target multifamily property owners/managers as well as tenants to address facility upgrades that impact both common area measures ("CAM") and renter-specific in-unit utility bill savings. The program will offer a growing and evolving knowledge base to support participants. The primary goal of this program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.
- *Tribal Engagement* – will create a pathway for Tribes and Tribal organizations in the San Diego region to develop, propose, and implement energy-related initiatives to address their unique needs and contribute to sustainability, resilience, and economic development within Tribal communities. This goal is in alignment with the primary purpose of Equity segment programs, i.e., to provide EE services to

hard-to-reach customers in disadvantaged communities in the advancement of the Commission's Environmental and Social Justice Action Plan.

- *Efficient Refrigeration Program* – will provide energy efficiency education and no-cost, direct installation of efficient refrigeration equipment to small corner stores/grocers/small businesses to support energy cost savings and the stocking of healthy, fresh, and affordable food products. This will provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.
- *SMB Equity Coach* – SDREN's local trusted partners will engage with small and medium-sized businesses to determine eligibility and interest in program offerings. The program implementer staff and energy coaches will guide program participants through the SDREN commercial program and other applicable program offerings and services. Licensed local contractors, electricians, and equipment manufacturers will support the direct installation of energy efficiency measures. Engineering consultants will provide technical assistance as needed. The program implementer(s) will work with community partners, including community-based organizations, to ensure SMB participants are aware of local resources and opportunities. The program will provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.

SDREN will offer the following resource acquisition program:

- *Market Access Program* – will provide performance-based incentives to project developers (aggregators) who deliver projects that realize peak demand reductions

and verified energy savings. The program will utilize a population-level normalized metered energy consumption methodology to verify savings while paying incentives based on TSB achieved, encouraging long-life measures that deliver maximum grid benefit. The program will focus on filling the needs of commercial customers unmet by other utility and statewide programs and will deliver direct-to-customer rebates for energy efficiency and electrification upgrades as well as some direct installation options.

SDREN will offer three market support programs:

- *Climate Resilience Leadership* – will overcome barriers hindering public agencies from implementing EE projects. This program will also promote IDSM technologies and programs, facilitating deeper decarbonization to help agencies meet their climate goals. Dedicated project managers will act as an extension of agency staff to provide customized and unbiased start-to-finish guidance and coordinate the delivery of technical services to identify and implement EE projects. The program will build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These outcomes are in alignment with the Commission Market Support ("MS") objective to support the long-term success of the EE market.
- *Workforce Training and Capacity Building* – will enhance the clean energy workforce in our region, focusing on skill development for new and incumbent workers. The program will target employees and employers, boosting employee skills and employer capacity to work on electrification and decarbonization projects. This will increase awareness and build accessible pathways for individuals

to enter the green workforce, build long-lasting careers, and form a robust professional network.

- *Energy Pathways Program* – will increase access to education and training resources to develop students' awareness of energy/green career pathways, help them learn the skills to enter the workforce, and provide sector-specific information. The Energy Pathways program will provide high school students in the San Diego region with a standards-aligned curriculum focused on career technical education. Successful program implementation will build a bridge connecting participants to local employers within the energy, electrification, and decarbonization sectors. This will build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.

SDREN will offer the following codes and standards ("C&S") program:

- *C&S Program* – will complement existing statewide and regional investor-owned utility programs and fill gaps in services for local governments and the C&S community. This program will engage and support local government permitting agencies to help them enhance energy code compliance and embrace advanced energy codes, standards, and policies. By doing so, the program seeks to significantly reduce energy consumption and GHG emissions and accelerate local government leadership in energy efficiency.

B. The Portfolio Application's Proposed Funding Period is Reasonable.

The SDREN Portfolio Application proposes a funding period beginning in 2024 and continuing through 2027. This funding period is reasonable and consistent with applicable

Commission requirements. Specifically, D.21-05-031 modified the rolling portfolio planning process, instructing existing PAs to submit applications that include a four-year program portfolio for the period 2024-2027 that included "annual budgets totaling to a four-year revenue requirement."[9] To maximize SDREN's alignment with the rolling portfolio process, SDREN's budget request aligns with the 2024-2027 period.

SDCP is submitting its SDREN Motion in January 2024, anticipating that it will be authorized mid-year. As such, SDREN should be approved to begin service in 2024, and its inclusion of partial funding for 2024 in its budget request is reasonable.

III. THE COMMISSION SHOULD APPROVE THE PROPOSED SDREN BUDGET.

A detailed breakdown of SDREN's proposed budget for the four-year period from 2024-2027 is provided in SDREN 2024-2031 EE Application Excel Sheets. This budget is summarized in the following table:

Table 2: SDREN Portfolio Budget Request

Sector	**Admin**	**M&O**	**DI – Non-Incentive**	**DI-Incentive**	**Total**
Commercial	$3,479,004	$2,087,402	$14,052,495	$15,171,137	$34,790,038
Cross Cutting: WE&T	$1,922,543	$1,153,526	$16,149,357	$0	$19,225,425
Cross Cutting: C&S	$732,396	$439,437	$6,152,122	$0	$7,323,955
Public	$2,325,001	$1,395,001	$12,823,341	$6,706,668	$23,250,011
Residential	$3,490,500	$2,094,300	$10,340,140	$18,980,060	$34,905,000
EM&V	$4,779,777	$0	$0	$0	$4,779,777
Total	$16,729,220	$7,169,666	$59,517,456	$40,857,865	$124,274,206

[9] D.21-05-031 at 81.

This budget request is reasonable and should be approved by the Commission. SDREN's proposed budget reflects the projected cost of implementing its programs. SDREN will offer its programs to customers and communities in an area with a population of over three million. SDREN's distribution of budgets reflects the Portfolio Plan's focus on the uniqueness and value provided in equity and market support offerings. The Commission should authorize the budget requested in the SDREN Portfolio Application, which addresses dedicated support needed for community-based programs, the level of service to customers and stakeholders, and the alignment with the ESJ Action Plan Goal 2 to increase investment in clean energy resources, Goal 4 to increase climate resilience, Goal 8 to promote high road career paths and economic opportunity, and Goal 8 to provide training and staff development.

IV. CONCLUSION

SDCP respectfully requests that the Commission approve this Motion and the SDREN Portfolio Application.

Respectfully submitted,

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January 5, 2024

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ATTACHMENT A

Energy Efficiency Portfolio Application

of the

San Diego Regional Energy Network

Exhibit 1

2024-2031 Strategic Business Plan

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Executive Summary

The projected impacts of climate change on the San Diego region are profound, driving the need for urgent collective actions to decarbonize. The creation of the San Diego Regional Energy Network (SDREN) represents an important step to support communities, particularly those who are underserved and hard-to-reach (HTR), to achieve a carbon free building sector in the San Diego region by 2050.

SDREN's vision is to *be a driving force for communities to adopt clean, reliable energy through community-driven solutions that contribute to local and state energy efficiency (EE) and climate goals*. SDREN's core values guide the design and execution of its program portfolio. These values are to integrate a collaborative and purposeful investment in the region's underserved and HTR communities, grow a regional clean energy economy that creates opportunities for the local workforce, and be a trusted local resource to coordinate regional policy, partnerships, and programs.

The SDREN service territory is home to 3.3 million people, the second most populous of California's 58 counties and the fifth largest county in the United States. The Kumeyaay, referred to as Diegueno by the Spanish, are the original inhabitants of San Diego County. The SDREN service territory includes the County of San Diego, 18 incorporated cities, 18 Tribal communities, 16 significant naval and military installations, 47 school districts, and 24 water districts.

SDREN aspires to be a regional leader focused on helping communities invest in strategies that hasten decarbonization. Through its portfolio of programs, guided by its core values, SDREN is committed to delivering programs that make inroads into communities to reduce greenhouse gas (GHG) emissions, achieve equity, drive market transformation, and provide value to ratepayers.

Approval of the SDREN will complete the Regional Energy Network's (REN) statewide coverage, bolstering the California Public Utilities Commission's (CPUC) intention for RENs to fill gaps and complement investor-owned utility (IOU) services. Regional Energy Network (REN) programs have proven to be a critically important component of California EE and climate strategies, demonstrating the effectiveness of local governments to overcome barriers and motivate communities to take clean energy actions.

SDREN's overall portfolio goals are to advance decarbonization, provide comprehensive energy efficiency (EE) services that improve outcomes for underserved and HTR communities, and accelerate the clean energy economy through workforce opportunities, which support attainment of California's ambitious 2030 and 2045 climate goals. The proposed EE Portfolio is framed by three key principles—to advance environmental equity, catalyze collaboration, and support community-driven change.

SDREN is focused on working collaboratively with Environmental and Social Justice (ESJ) communities to provide needed programs and resources, aligned with the San Diego Regional

Decarbonization Framework, and informed by the CPUC's ESJ Action Plan. SDREN's long-term goal is to ensure an equitable transition to a carbon-free building sector in the San Diego region by 2050, seeking higher participation from HTR and underserved communities and reducing their energy burden.

SDREN's portfolio and administration is led by San Diego Community Power (SDCP) and the County of San Diego. SDCP, the lead Portfolio Administrator (PA), will lead fiscal, regulatory, procurement, and program management. The SDREN Advisory Committee, composed of local and regional governments and community-based organizations (CBOs), will advise on and recommend program improvements. An SDREN programs operation team composed primarily of SDCP employees and third-party implementers will oversee day-to-day program operations and administration.

San Diego has a strong history of collaboration and engagement in EE programs. The SDREN joins a group of local, regional, and state agencies that have jurisdiction over climate change activities in the region, as well as CBOs, labor, business groups and other organizations that support climate efforts. SDREN's proposed portfolio builds on the comprehensive regional sustainability and decarbonization planning in the region, and fills gaps and complements the programs provided by the region's serving utility, San Diego Gas & Electric (SDG&E).

SDREN's portfolio application includes ten programs, organized by segment, and sectors, as follows:

- **Segments**: Resource Acquisition, Market Support, Equity, and Codes & Standards
- **Sectors:** Commercial, Cross-cutting (Workforce, Education and Training and Codes and Standards), Public, and Residential

SDREN is requesting $124,274,206 over the four-year period from 2024 to 2027. This funding will enable SDREN to achieve its stated goals and outcomes and connect communities with available resources, which will accelerate decarbonization strategies in the region. All SDREN programs will target HTR and underserved communities, which comprise approximately 56% of the region's population. SDREN is directing 46% of its portfolio to Equity programs, while Market Support programs comprise 34%, Resource Acquisition 14%, and Codes and Standards 6%.

SDREN's portfolio includes two Equity Segment Residential Sector programs serving single-family and multifamily participants. Two Equity Segment programs are proposed for the Commercial Sector, targeting small and medium businesses, along with one Resource Acquisition program serving hard-to-reach and underserved commercial customers. SDREN is proposing one Market Support program within the Public Sector, supporting public agencies, and one Equity Segment Public Sector program supporting Tribes. Two Market Support Workforce, Education and Training (WE&T) programs will target high school students and adults supporting high road clean energy career pathways and skill development. A proposed Codes and Standards (C&S) program will assist public agency permitting authorities with compliance and policy support. All of SDREN's proposed programs support and complement the services of SDG&E and are designed to avoid duplication and customer confusion.

Collectively, SDREN's portfolio-level strategies incorporate six delivery methods. Principles of **environmental and social justice** connect throughout these strategies and environmental justice considerations are incorporated across all programs, regardless of segmentation. First, the portfolio is designed to provide **flexibility in program delivery** so that services can adapt and change as new programs or resources become available and when programs close. Second, by integrating **effective coordination and collaborations** with partners and existing trusted organizations across program segments and sectors, SDREN can identify synergies, reduce costs and complexity, and deliver higher-value programs that reflect local priorities and needs. It can also mitigate customer confusion and grow impacts and success of all programs. Third, the SDREN portfolio reduces barriers to participation by offering **customized support** and connecting customers with available resources and programs. Fourth, SDREN will promote decarbonization through **electrification measures** and incentives to move away from methane-gas-burning technologies. Fifth, SDREN will monitor the market and coordinate with other programs to **leverage** complementary offerings and **stack** supplemental program services and external funding opportunities. Sixth, **integration of integrated demand side management (IDSM)** offerings and support are considered as part of a holistic approach to deliver value to participants throughout the portfolio.

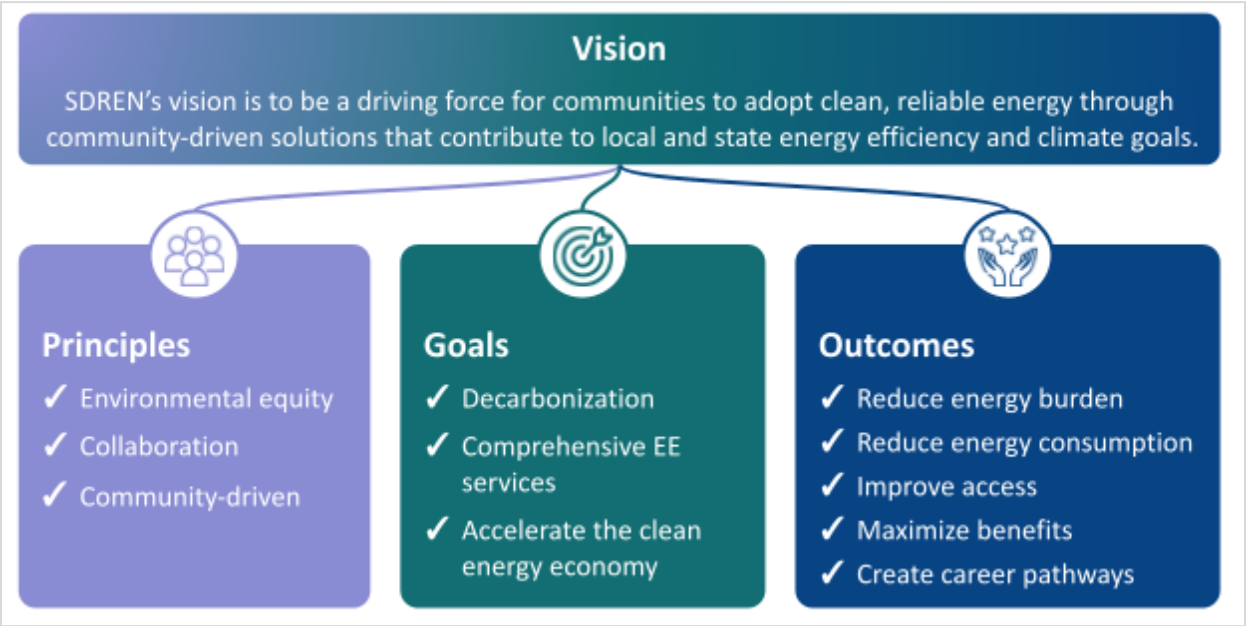
The creation of SDREN represents another milestone in California's quest to reach its ambitious climate goals and ensure ESJ communities are at the forefront of these efforts. SDREN looks forward to joining the extensive statewide network of other RENs, IOUs, local agencies, CBOs, and others working collectively to achieve an urgently needed clean energy future.

Strategic Business Plan

SDREN's Vision for EE in CA: 2024 - 2031

The projected impacts of climate change on the future of San Diego become clearer every day, at a concerning pace. The San Diego region urgently needs to accelerate the transition to clean energy as failure to do so will have steep costs for the natural world and for the health and livelihoods of everyone. Additionally, a collaborative and purposeful investment is needed to ensure that San Diego's most vulnerable are not left behind in the region's efforts to decarbonize.

Figure 1. SDREN's Vision



SDREN's[1] vision is to be a driving force for communities to adopt clean, reliable energy through community-driven solutions that contribute to local and state EE and climate goals.

SDREN aspires to be a leader supporting the 18 incorporated cities, 47 school districts, 18 recognized Tribal communities, and the unincorporated areas across the San Diego region. In keeping with its core values, SDREN will integrate a collaborative and purposeful investment in the region's underserved and HTR communities[2] to contribute to an equitable transition to a clean energy economy.

Approval of the SDREN will complete the statewide coverage of RENs and bolster the CPUC's intended outcomes for RENs to fill gaps and complement IOU services. SDREN is committed to delivering programs that make further inroads into communities to reduce GHGemissions, achieve equity, drive market transformation, and provide value to ratepayers.

Core Values

SDREN's EE portfolio is guided by three core values:

[1] All acronyms and abbreviations are listed in Exhibit 3 - Appendix A.
[2] As defined in D.23-06-055.

Figure 2. SDREN's Core Values

Guiding Principles

SDREN's portfolio of services is informed by its core values and framed by the following three principles:

1. **Advance Environmental Equity.** Through its proposed portfolio of services SDREN is committed to representing underserved communities and advancing environmental equity. SDREN fills a significant gap as there currently exists no central organization in the San Diego region that focuses on the energy needs and challenges of these populations who are more vulnerable to the effects of climate change and are more likely to be left behind in the transition to a clean energy future.
2. **Catalyze Collaboration.** A collaborative approach provides powerful leverage and access to clean energy solutions. As a regional energy leader and a trusted partner, SDREN will play a critical role in cultivating strong regional partnerships and robust stakeholder coordination. SDREN will focus on marshaling resources, providing access to financing, building local capacity, and supporting integrated and comprehensive strategies. A key role is to leverage resources that are increasingly available for energy programs, filling gaps to ensure resources are used efficiently, and integrating and stacking funding sources, where possible, for maximum advantage to local communities.
3. **Support Community-Driven Change.** Community-driven change is a key to the successful adoption of practices and policies that support the transformation to a clean energy economy. SDREN's approach to program design and delivery will engage communities at early stages of planning to ensure the services that are developed reflect local needs and priorities.

Goals

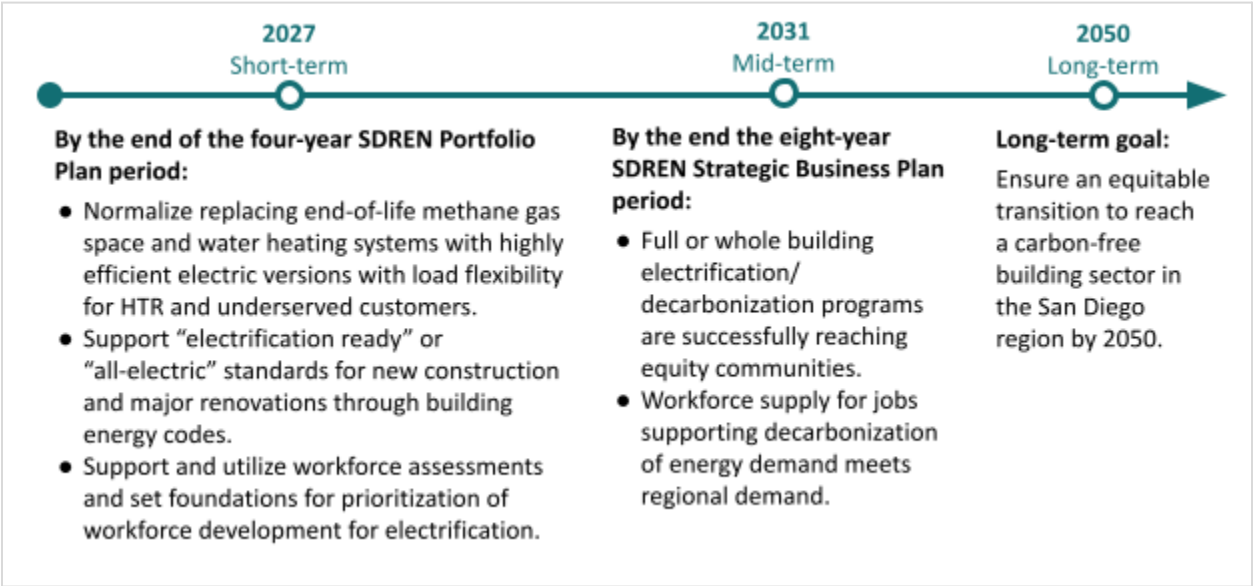
SDREN's portfolio complies with CPUC requirements and rulings and addresses the CPUC's goals for RENs to deliver programs and activities that fill gaps and complement IOU offerings.[3] SDREN has set the following overarching three goals for its portfolio:

[3] D.12-11-015, and reasserted in D.19-21-021.

1. **Advance Decarbonization**. Beyond reducing energy use and GHG emissions, decarbonization ushers in a host of benefits making communities and economies more resilient. Decarbonization lowers energy costs, increases access to clean energy, ensures safer and healthier homes and communities, reduces environmental burdens, and expands economic opportunity and high-quality jobs.
2. **Provide Comprehensive EE Services That Improve Outcomes for Underserved and HTR Communities.** SDREN's portfolio of services will be centered around minimizing barriers to participation for underserved and HTR communities.
3. **Accelerate the Clean Energy Economy Through Workforce Opportunities.** As a regional leader, SDREN will mobilize and leverage resources to support the local workforce and support the creation of energy related jobs and skills that benefit local communities. A goal is to support a high road[4] approach to grow the regional clean energy economy and create new opportunities for the local workforce, with a focus on underserved communities.

These goals are intended to align with the Regional Decarbonization Framework (described further in the Regional Planning and Collaboration Framework section below) and were informed by the CPUC Environmental Social and Justice Action Plan (ESJAP)[5]. They can be further broken out into the following timeframes—short-term, mid-term and long-term.

Figure 3. SDREN's Goals by Year



Business Plan Strategies

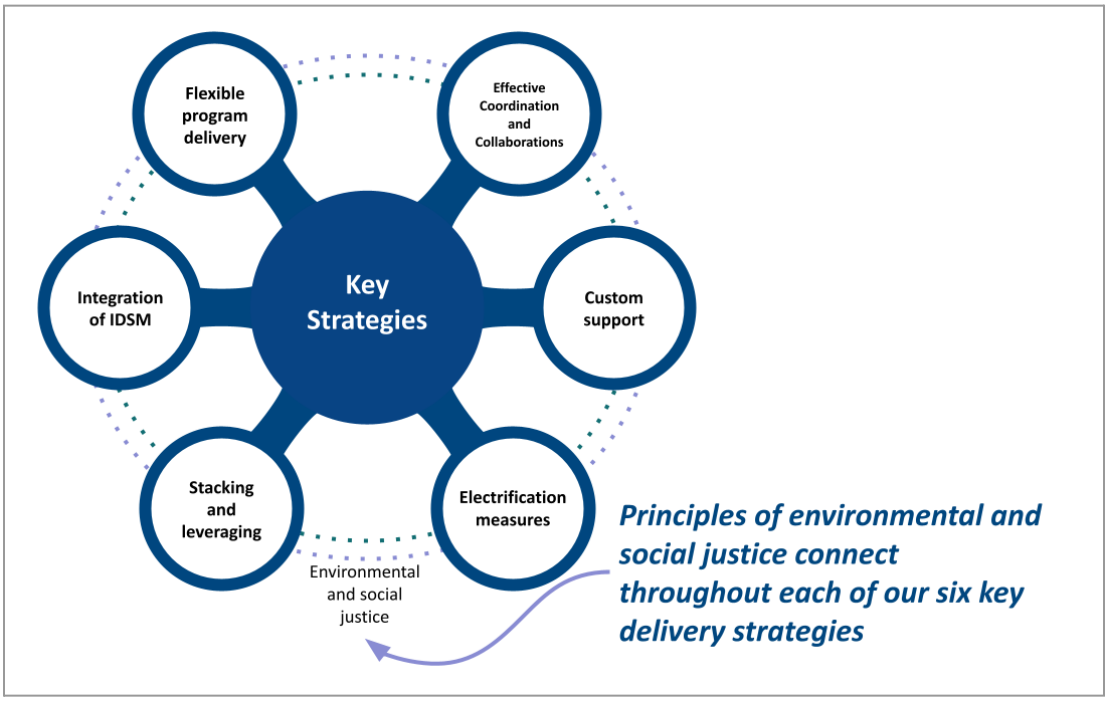
SDREN's proposed EE strategy for the San Diego region builds off of the foundation established through long-standing local collaborations in the region (described below under Regional Planning and Collaboration Framework). The strategy is informed by SDRENs values and

[4] An approach that integrates intentional policies and investments that center employee benefits and needs.
[5] https://www.cpuc.ca.gov/news-and-updates/newsroom/environmental-and-social-justice-action-plan.

principles to deliver on the goals of decarbonization, comprehensive EE services, and building the local energy economy.

Collectively the portfolio-level strategies incorporate several key approaches as shown in Figure 4. First, the portfolio is designed to provide **flexibility in program delivery** so that services can adapt and change as new programs or resources become available and when programs close. Second, by integrating **effective coordination and collaborations** with partners and existing trusted organizations across program segments and sectors, SDREN can identify synergies, reduce costs and complexity, and deliver higher-value programs that reflect local priorities and needs. It can also mitigate customer confusion and grow impacts and success of all programs. Third, the SDREN portfolio reduces barriers to participation by offering **customized support** and connecting customers with available resources and programs. Fourth, SDREN will promote decarbonization through **electrification measures** and incentives to move away from methane-gas-burning technologies. Fifth, SDREN will monitor the market and coordinate with other programs to **leverage** complementary offerings and **stack** supplemental program services and external funding opportunities. Sixth, **integration of IDSM** offerings and support are considered as part of a holistic approach to deliver value to participants throughout the portfolio (described in more detail under IDSM Strategies). Finally, principles of **environmental and social justice** connect throughout each of these strategies and environmental justice considerations are incorporated across all programs, regardless of segmentation.

Figure 4. SDREN Key Strategies



These key strategies will be integral to the SDREN through the Business Plan period to deliver on the desired outcomes.

Desired Portfolio Outcomes

By bringing together regional perspectives, deepening partnerships, and cultivating community led strategies, SDREN will help realize meaningful multi-benefit solutions that result in long term positive change. Success relies on implementing community-driven strategies to build climate resiliency and adopting energy efficiency and clean energy solutions that support the goals and policies of the CPUC.

- **Portfolio Outcome 1**. Reduce energy burden and improve energy affordability.
- **Portfolio Outcome 2.** Improve health and reduce energy consumption across the region.
- **Portfolio Outcome 3.** Improve access, increase participation by reducing the complexity of energy service programs, and achieve greater understanding of how to manage energy consumption, including peak demand reduction.
- **Portfolio Outcome 4.** Maximize benefits to customers by leveraging additional funding, such as the Inflation Reduction Act (IRA), to deliver on IDSM strategies.
- **Portfolio Outcome 5.** Create access to career pathways in clean energy.

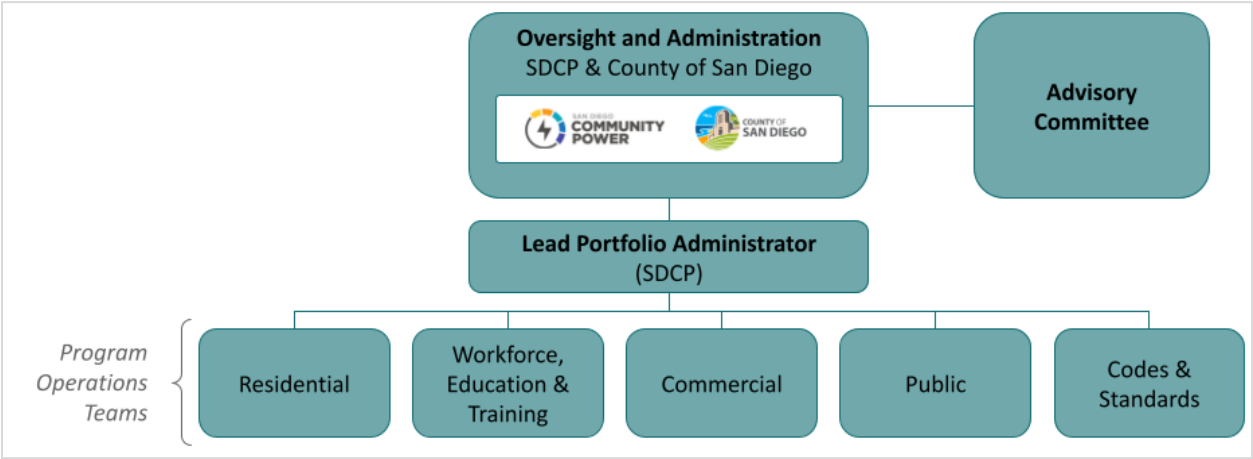
An initial set of SDREN unique value metrics have been developed to track progress towards SDREN's goals and outcomes that are described in Exhibit 2. Additionally, within the 2024-2027 portfolio plan period, SDREN will continue efforts with other stakeholders to refine relevant metrics, and to establish data methodologies, baselines and targets for tracking progress towards all portfolio goals.

Governance Structure

Led by San Diego Community Power (SDCP) and the County of San Diego[6], SDREN leverages the region's capacity and experience to create a strong and collaborative governance structure. The region has a strong history of collaboration and engagement in EE programs. The following chart depicts the SDREN governance model.

[6] A letter of support from the County of San Diego is included in Exhibit 3 - Appendix B.

Figure 5. SDREN Governance Model



The **Oversight and Administration** team of SDCP and the County of San Diego will provide portfolio-level vision and strategy, enact program changes during the portfolio cycle, and oversee future Business Plan development. Important decisions will be made using a consensus process. The goal is to reach a consensus for any significant portfolio-wide related issues. However, if a consensus is not achieved in a timely fashion, a mediator will be used to make a final decision as a last resort. SDCP and the County of San Diego will proactively identify potential non-consensus issues early and work with impacted parties constructively.

San Diego Community Power is a Community Choice Aggregator (CCA) formed via a Joint Powers Authority by San Diego, Encinitas, La Mesa, Chula Vista, Imperial Beach, National City and the County of San Diego. As a not-for-profit public entity, SDCP is focused on bringing cleaner power at competitive rates to its customers and investing excess revenue in the communities it serves.

SDCP provides affordable clean energy and invests in the community to create an equitable and sustainable future for the San Diego region. SDCP aims to be a global leader, inspiring innovative solutions to climate change by powering communities with 100% clean affordable energy while prioritizing equity, sustainability, and high-quality jobs. SDCP is a values-led, mission-driven organization grounded in Justice/Equity/Diversity/Inclusion (JEDI), impact, integrity, innovation, servant leadership, and togetherness. SDCP's mission is to bring 100% renewable power to its customers by 2035 or sooner. SDCP offers a 100% renewable product called Power100 which has helped many SDCP customers reach their respective ESG or GHG reduction goals.

In December of 2019, per the CPUC Resolution E-4907, the Cities of San Diego, Imperial Beach, Encinitas, La Mesa and Chula Vista, who had previously taken action to form a Joint Powers Authority, submitted to the CPUC an Implementation Plan and Statement of Intent for authority to provide service as a CCA to eligible customers within the geographical boundaries of their service territory. Once approved by the CPUC, SDCP was eligible to begin enrollment of eligible accounts in 2021.

In March of 2021 SDCP launched its service and began enrolling customers through a multi-phased effort starting with municipal customer accounts (Phase 1). Commercial and industrial accounts were enrolled in June 2021 (Phase 2), and residential accounts from February through May of 2021 (Phase 3). In December 2021, SDCP amended its JPA to expand its membership to include National City and the County of San Diego, and submitted an Implementation Plan to enroll eligible accounts of the new member agencies beginning in 2022. The enrollment of accounts located in the unincorporated areas of the County and National City commenced on April 1st, 2023 (Phase 4).

SDCP is deeply committed to collaborating and leveraging regional resources and championing community needs to implement a comprehensive and adaptive portfolio. Throughout its growth, SDCP has demonstrated responsible fiscal management, and its structure provides regular public consultation with various public committees.

Figure 6. SDCP Community Leadership

Organizations and Committees with Leadership positions held by SDCP staff

- Spring Valley Community Planning Group
- CSA-128
- CalCCA Equity Committee
- CalCCA Programs Committee
- CalCCA Billing Ops Committee
- CalCCA Data Analytics Committee
- CalCCA Compliance Committee
- CalCCA Regulatory Committee
- Advisory Board - Apis & Heritage Legacy Fund
- Advisory Board - In Good Company
- North San Diego Chamber Sustainability Committee
- Power Association of Northern California
- SWC Bond Oversight Committee
- CVESD Independent Citizens Oversight Committee
- Corky McMillin Elementary School Site Council
- Southwestern Community College Superintendent/President's Advisory Council
- Business For Good - Environmental Health Committee
- Business for Good Board Member (July 2024)
- CalCCA Marketing & Communications Committee
- Clean Tech Board
- Harmonium
- La Mesa Environmental Sustainability Commission Advisory Member
- League of Women Voters Board Member
- North San Diego Business Chamber, Sustainability Council
- Point Loma Association
- San Diego Commons Advisory Council
- San Diego Latina Giving Circle Member
- San Diego Leadership Alliance - Programming Committee Chair
- San Diego Pride Board
- SD Regional EDC Economic Development Committee
- Sherman Heights Community Center Board Member
- Sound Future Board Member
- SDRCC Sustainability Committee
- USD's Leaders 20/20 Board
- YouthWill Board Member
- Coalition for Responsible Transportation Priorities
- Northcoast Environmental Center

As a not-for-profit public agency, SDCP is committed to developing a suite of customer energy programs that respond to community needs, with a focus on Communities of Concern[7]. SDCP has engaged these communities in the development of a Community Power Plan to support future development of programs (both described in more detail below). SDCP's current customer program initiatives include:

[7] Defined as the top 25% scoring areas from CalEnviroScreen, known as Disadvantaged Communities (DACs), as well as the additional census tracts identified by the cities of San Diego and Chula Vista through their Climate Equity Index (CEI) reports.

- Residential Solar and Storage Program
- Solar for Our Communities green tariff program
- Commercial Peak Load Reduction Pilot
- Community Clean Energy Innovation Grant Program
- DAC-SASH Enabling Roof Repair Pilot
- Managed EV Charging Pilot

County of San Diego. The County of San Diego is a leader in sustainability. In pursuit of its vision for "a just, sustainable, and resilient future for all," the County has undertaken ambitious sustainability and decarbonization efforts. One example is the creation of the Office of Sustainability and Environmental Justice (OSEJ), established in 2021, which strives to reduce disparities and expand opportunities in traditionally underserved communities as it works to achieve zero carbon emissions and safeguard the health of the region's people and natural resources. OSEJ focuses on both regional initiatives and County operations. OSEJ's keystone effort is the Regional Decarbonization Framework (RDF) which is the County's holistic approach to guide the region's decarbonization efforts that promotes public and private interests working together to move the entire San Diego region toward zero carbon emissions in transportation, buildings, energy, food systems, and land use by mid-century (described further below). To lead by example, OSEJ works with the over 40 County departments and offices to implement sustainability plans to reduce the County's carbon footprint in programs and operations. The County's sustainability vision is to support all communities in the region by efficiently using and protecting its natural resources, balancing economic growth, and ensuring just and equitable provision of public services, without compromising the ability of future generations to also flourish and thrive. More information about the County's sustainable energy work is described in the next section, Regional Planning and Collaboration Framework.

The **Lead Portfolio Administrator**,[8] SDCP, will lead fiscal, regulatory, procurement, and program management.

The **SDREN Advisory Committee** will include local and regional governments and community-based organizations with the role to advise on outreach and enrollment, provide feedback on program evaluation reports, and recommend program improvements.

As the Oversight and Administration team optimistically plans for the launch of SDREN, it believes it's important to have its governance in place and ready to execute on program delivery upon approval. As to not further delay providing REN benefits and services to communities, SDREN established its inaugural Advisory Committee. The inaugural Advisory Committee members represent entities and agencies with a regional or multi-jurisdictional footprint and it is anticipated that the full Advisory Committee will be formed upon SDREN approval.

[8] D.23-05-066 makes the shift from "program administrator" to "portfolio administrator" or abbreviated as "PA". Both terms may be found in this application.

Confirmed Inaugural Committee Members include:

- Clean Energy Alliance
- MAAC
- San Diego Regional Climate Collaborative
- San Diego Association of Governments (SANDAG)
- Climate Action Campaign
- San Diego Green Building Council
- Port of San Diego

Expected Advisory Committee responsibilities include:

- Post submittal phase: Receive monthly email updates and attend occasional meetings on the status of the CPUC review process.
- Development phase (<6 months post-approval): Attend planning meetings approximately every other month to receive updates on SDREN launch (e.g., timing, marketing, regional coordination) and provide advisementon development of Implementation Plans, conflict of interest strategies/considerations, etc. and work closely with the Oversight and Administration team to develop processes to expand the full Advisory Committee, develop the Technical Ad-Hoc Sub-Committees, and determine related committee details such as terms and compensation.
- Implementation phase (>6 months post approval): Attend quarterly meetings to receive updates on program implementation and provide advisementon program outreach, enrollment, adjustments to program elements.

The inaugural Advisory Committee member selection was guided by the desire to have comprehensive regional representation leading into the initial phases of SDREN's launch. SDREN will expand the Advisory Committee after the REN is authorized to include diverse organizations that can represent the variety of underserved and HTR communities in the San Diego region. SDREN places a high value on receiving input on program design and implementation directly from the communities who will benefit from its programs.

The **SDREN Program Operations Teams**, primarily composed of SDCP employees and third-party implementers, will oversee day-to-day program operations and administration.

Additionally, SDG&E will act as the Fiscal Agent. SDG&E's role as a fiscal agent for SDREN, as a REN operating within SDG&E's territory, will be limited to collecting and disbursing funds under the direction of the Commission and does not include any compliance or monitoring functions or obligations.[9]

Regional Planning and Collaboration Framework

Comprehensive regional sustainability and decarbonization planning provides a solid foundation for the future success of SDREN. Several local, regional, and state agencies have jurisdiction over

[9] D.23-06-055, Conclusion of Law 13.

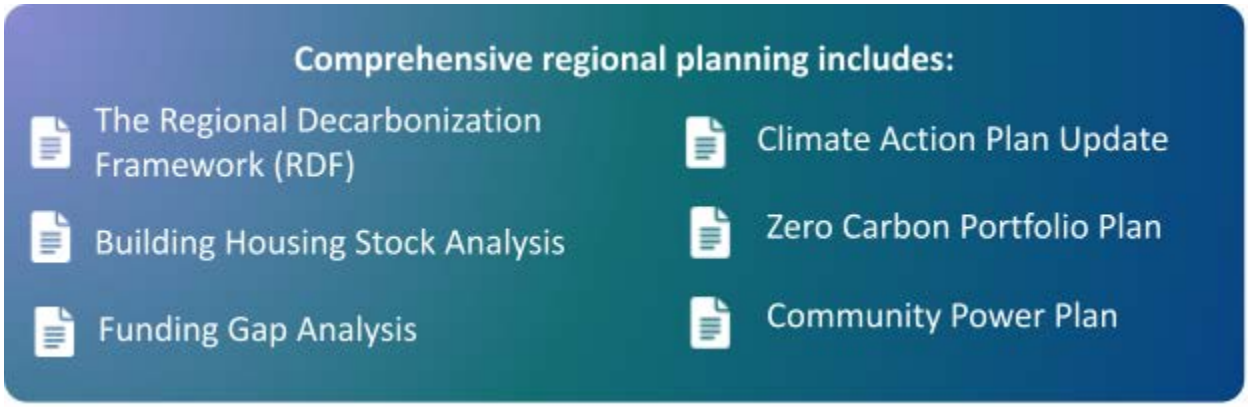
climate change activities in the San Diego region. Regional public agencies include SANDAG, San Diego County Air Pollution Control District, San Diego Community Power (SDCP), Clean Energy Alliance (CEA), the County, 18 local governments, 47 school districts, and 18 federally recognized Tribal communities.

Local Government Partnerships that formed in 2009 and were discontinued in 2020 not only expanded regional EE capacity but established an effective collaborative network among participating agencies. In 2023, the San Diego Regional Climate Collaborative (SDRCC) launched its Energy Resilience Working Group which consists of community and local government organizations committed to contributing to local, regional, and statewide decarbonization efforts. Over the last several years, the region launched two CCAs, San Diego Community Power and Clean Energy Alliance.

In addition, several cities in San Diego County have signed the US Mayors Climate Protection Agreement, others have joined the California Climate Action Registry, and most of the 18 cities in the region now have a Climate Action Plan (CAP). The University of San Diego Energy Policy Initiatives Center (EPIC) conducted a first of its kind analysis for the San Diego region in comprehensively assessing the impact of adopted CAPs. The study found that CAPs alone will not be enough to reach aggressive decarbonization goals, underscoring the need and importance of regional collaborative initiatives that span jurisdictional boundaries to tackle the region's climate issues.[10]

Additionally, EPIC's analysis found that most adopted CAPs do not include building electrification (BE) strategies, concluding that the impact of local CAPs in BE is limited. The report also highlighted that CAPs are only plans, and the measures included may not represent what is implemented over time. Therefore, regional initiatives such as a REN that span across jurisdictions are needed to help decarbonize buildings, reduce GHG emissions, and help tackle local climate issues.

Figure 7. Comprehensive Regional Planning



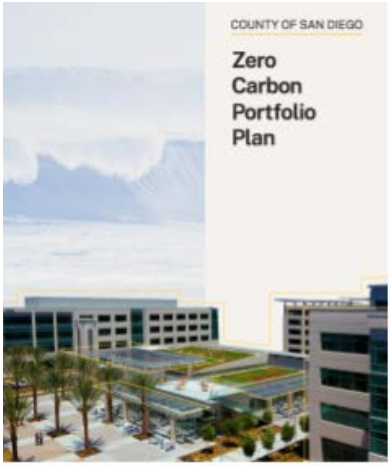
[10] Regional Decarbonization Framework Technical Report. https://www.sandiegocounty.gov/content/dam/sdc/lueg/regional-decarb-frameworkfiles/RDF_Summary_for_Policy_Makers_FINAL_2022.pdf.

Regional Decarbonization Framework. In 2021, working with several regional stakeholders and technical experts, the County began working on the Regional Decarbonization Framework (RDF), a visionary framework that identifies community-driven partnerships, programs, and policies to support decarbonization. In 2022, the County released the first foundation element, the RDF - Technical Report, a scientific analysis of decarbonization pathways for the San Diego region to reach net zero emissions by mid-century. The RDF includes two other foundational elements, a workforce development study and the *Let's Get There* Playbook, a resource guide for local governments, organizations, and individuals to consult as they move toward zero carbon emissions. The RDF promotes public and private interests working together to move the entire San Diego region toward zero carbon emissions in transportation, buildings, energy, food systems, and land use. The RDF is intended to help policymakers work in harmony with community, industry, environmental, business, and labor groups to realize distinct and tangible actions that respond to the specific needs of cities and the unincorporated areas of the county.

County's Climate Action Plan Update. The County is currently developing a Climate Action Plan Update to implement bold climate actions that reduce GHG emissions. The CAP outlines actions, also referred to as measures, to meet state targets and achieve a goal of net zero carbon emissions by 2035-2045. The CAP and associated goals apply to the unincorporated areas of the County and County operations.

Screenshot of County of San Diego Climate Action Plan.

Zero Carbon Portfolio Plan. This plan applies to all facilities occupied by the County and presents a strategy and specific measures that will result in a reduction in operational carbon emissions of 90% by 2030, relative to its 2008 baseline. Additionally, all 40+ County of San Diego departments and offices have developed and operationalized Sustainability Plans to reduce carbon footprints from County operations and facilities.



Screenshot of Zero Carbon Portfolio Plan for facilities occupied by County of San Diego.

Community Power Plan (CPP). SDCP's CPP[11] was an intensive effort from its program team to integrate community goals, needs, and priorities into a 5-year strategic plan for energy programs. The *community needs assessment* was a fundamental piece of the CPP. Between May and November 2022, SDCP heard from more than 3,450 community members through listening sessions, workshops, pop-up events in HTR communities, and a customer-wide survey. This helped SDCP understand the challenges, needs,

[11] https://sdcommunitypower.org/community-power-plan-cpp/.

goals, and priorities that could be addressed through customer energy programs. Throughout the community engagement process, SDCP prioritized equity and Communities of Concern.

SDCP prioritized partnering with local community-based organizations that work directly with community members in Communities of Concern to co-host listening sessions to minimize obstacles for program participation. SDCP provided compensation to the CBOs and participants were offered interpretation services, children's activities, food and drinks, and gift cards for compensating their time and shared lived experience.

SDCP considered accessibility for the broadest range of community characteristics, including language, internet access, physical disability, time limitations, and subject matter understanding. A mix of virtual and in-person outreach events were offered and events were held at varying times, including outside of normal work hours. SDCP sought to develop outreach materials and presentations for broad understanding using non-technical, simplified terms. In addition, outreach materials, including the survey and plan itself, were offered in English, Spanish, and Filipino (Tagalog), the most used languages in the region.

The team identified nine key community priorities based on feedback from initial community engagement. The priorities were included in the survey and respondents were asked to rank which were most important to them. Residential and commercial respondents ranked their top five priorities in the following order (Table 1). This feedback was considered in the development of SDREN's program portfolio.

Table 1. Energy issues most important to SDCP residential and commercial respondents from the CPP community engagement process.

Order	Residential Priorities	Commercial Priorities
1	Reducing my energy bill	Creating good, well-paying jobs in the energy sector
2	Addressing climate change by reducing GHG emissions	Reducing my businesses' energy cost
3	Getting rewarded to adjust when I use energy	Getting compensated for when my business uses energy
4	Creating good, well-paying jobs in the energy sector	Addressing climate change by reducing GHG emissions
5	Breathing cleaner air in my home	Breathing cleaner air in my building

Figure 8. Community Engagement Key Insights

Key Insights

- Community members are concerned about costs
- Community members want to see a variety of energy solutions
- Community members need more energy education and resources
- Rural community members have different concerns than city-dwellers
- Community members care about climate change, health, and the environment

Building and Housing Stock Analysis (BHSA) and Funding Gap Analysis. SDCP is developing a Building Housing Stock Analysis (BHSA) and Funding Gap Analysis that will be published in 2024. The BHSA will provide data that will help SDREN identify broad opportunities for electrification and decarbonization. With the Funding Gap Analysis, SDCP will be able to determine existing gaps in current electrification, decarbonization, and EE funding (including funding from the Infrastructure Investment and Jobs Act (IIJA) and IRA that flows directly to customers and those distributed to states and agencies). This will allow SDCP to make strategic decisions about how electrification programs are designed and identify investments needed to achieve our goals.

Stakeholder Engagement

In alignment with SDREN's guiding principles, comprehensive engagement with key stakeholders was conducted during the preparation of this Business Plan. Key stakeholders include regional and community organizations as well as energy efficiency stakeholders across the state as detailed below. A majority of feedback was overwhelmingly positive with support for the formation of an SDREN, along with the proposed structure, values, strategies, and programs. A summary of this feedback and responses can be found in *Exhibit 3 - Appendix C*.

- **SDG&E:** SDCP met with SDG&E representatives on numerous occasions to discuss proposed programs and understand how services would be designed to avoid overlap and duplication. This included sector-level meetings with the appropriate SDG&E EE team members to walk through each program and discuss any comparable offerings and initial coordination strategies. The resulting SDCP work product that was reviewed with SDG&E during sector-specific coordination meetings can be found in *Exhibit 3 - Appendix H*. These conversations, alongside research into SDG&E's portfolio, informed the sector specific coordination detailed within the Portfolio Plan. It also set a strong foundation for continued collaboration moving forward.
- **San Diego Regional Climate Collaborative (SDRCC)**: SDRCC was formed in 2011 as a network for public agencies to advance climate change solutions that mitigate GHG emissions and adapt to the

effects of climate change. Partnering with academia, non-profit organizations, business and community leaders, the Collaborative raises the profile of regional leadership, shares expertise and leverages resources.[12]

  - SDREN was presented to members on multiple occasions through the Regional Energy Resilience Working Group, which was launched in March 2023. Made up of approximately 30 members municipalities, educational entities, SDG&E, environmental NGOs, and consultants, this group was prioritized for early engagement and feedback. This included presenting both the draft governance structure and SDREN draft programs for feedback.

- **Local governments and public agencies:** Individual meetings were held with fourteen of the eighteen cities within the county and four key regional public agencies to collect feedback on SDREN programs and strategies. These agencies are listed below and individual letters of support from fifteen of these agencies can be found in *Exhibit 3 - Appendix D*.
  - City of Carlsbad, City of Chula Vista, City of El Cajon, City of Encinitas, City of Imperial Beach, City of La Mesa, City of Lemon Grove, City of National City, City of Oceanside, City of Poway, City of San Diego, City of San Marcos, City of Solana Beach, City of Vista, San Diego Association of Governments (SANDAG), Port of San Diego, San Diego County Air Pollution Control District, and Clean Energy Alliance.
- **CPUC Energy Division**: Monthly meetings were held from August 2023 through December 2023 to provide updates on Business Plan development and collect feedback on various elements of the SDREN formation and strategy.
- **Existing RENs:** SDCP met with existing RENs across the state individually for general guidance and best practices during the planning process and Business Plan development. They also engaged with the newly formed CalREN, composed of all RENs, for feedback on draft programs, stakeholder engagement, and Business Plan strategies.

- **SDCP Board of Directors Meetings:** SDCP staff secured Board support early in the process to lead efforts in forming a new REN and briefed them on progress throughout the Business Plan development. These meetings are outlined below:

[12] https://www.sandiego.edu/soles/centers-and-institutes/nonprofit-institute/signature-programs/climate-collaborative.

- May 2022 - SDCP staff presented an update on customer energy programs and outlined CPUC funding opportunities including REN formation as an option and discussed next steps to hire staff to lead development of application and program management.
- January 2023 - SDCP staff discussed leading initial steps in regional effort to form a REN as priority for 2023.
- February 2023 - SDCP staff presented an update on REN formation progress to include mention of open request for proposal for professional services to support Business Plan Application development and development of the SDREN governance structure.
- April 2023 - SDCP staff presented an update on REN formation at the 2023 Strategic Planning Session, reported addition of 1 full time employee dedicated to REN formation, and obtained approval of a Professional Services Agreement for consulting services to support REN formation.
- October 2023 - SDCP staff presented an update on REN formation and proposed programs, and budget range to the Board for feedback.
- December 2023 - SDCP staff presented an update on REN formation and requested approval to submit the Business Plan Application to the CPUC.

- **SDCP Community Advisory Committee (CAC) and CAC Programs Ad-Hoc Committee:** SDCP staff received feedback and support on SDREN proposed governance, programs, and budget and briefed them on progress. These meetings are outlined below:
  - September 2023 (CAC Programs Ad-Hoc) - SDCP staff presented an update on REN formation progress, draft programs and governance.
  - September 2023 (CAC) - SDCP staff presented an update on REN formation progress, draft programs and governance.
  - October 2023 (CAC Programs Ad-Hoc) - SDCP staff presented an update on REN formation progress and proposed budget.
- **Regional Stakeholders:** SDCP met with several regional stakeholders, including Community Based Organizations (CBOs), labor groups, and organizations that could support SDREN efforts, if authorized. During these discussions, SDCP presented formation concepts and draft program ideas to the following organizations:
  - Art Produce, Asian Business Association of San Diego, Business Improvement District (BID) Alliance, Center for Community Energy, Center for Sustainable Energy, City Heights Community Development Corporation, Cleantech San Diego, Climate Action Campaign, GRID Alternatives San Diego, International Brotherhood of Electrical Workers (IBEW) 569, Local Government Sustainable Energy Coalition, MAAC, Palomar College, San Diego Area Chapter of International Code Council (ICC), San Diego Building and Construction Trades Council, San Diego Building Electrification Coalition, San Diego Community College District, San Diego Foundation, San Diego Green Building Council, San Diego Green New Deal Alliance, San Diego Regional Chamber of Commerce, San Diego Regional Climate Collaborative, San Diego Regional Economic Development Corporation, San Diego Urban Sustainability Coalition, San Diego Workforce Partnership, Small Business Utility Advocates, Smart Grid Lab at San Diego State

University, South County Economic Development Council, Southwestern College, The Urban Collaborative Project CDC.

- **California EE Coordinating Committee (CAEECC)**: On November 29, 2023, representatives from SDCP and the County of San Diego attended the regularly scheduled CAEECC meeting to present to CAEECC in accordance with CPUC Decision 19-12-021.[13] Staff were able to respond to all questions following the presentation. Overall, the overview was positively received. The CAEECC presentation and resulting summary report of feedback and responses is included in *Exhibit 3 - Appendix E*.

Service Territory

The SDREN service territory is home to 3.3 million people and includes the County of San Diego, 18 incorporated cities, 18 Tribal communities, 16 significant naval and military installations, 47 school districts, and 24 water districts. Public agencies or districts own over 60% of the land in the County.[14] The SDREN territory includes San Diego County, 70 miles of coastline, and shares an international border with Mexico. While the region's coastline is highly developed and populated, there are a significant number of rural and semi-rural communities in the southern and eastern portions of the county.[15] The territory is a microcosm of the state and includes farming and non-farming workforces, with over 100 languages spoken,[16] a large tourism economy accompanied by high cost of living, and the highest energy rates in California.

[13] D.19-12-021, pg. 21 and OP2.
[14] SanGIS.
[15] https://www.sandiegocounty.gov/content/dam/sdc/pds/ProjectPlanning/NS/Newland%20DEIR/County%20Land%20Use%20Element%20Figure%20LU-1%20(Regional%20Cat.%20Map)%20EXISTING%20AND%20PROPOSED.pdf.
[16] https://www.sandiego.gov/economic-development/sandiego/facts.

Figure 9. SDREN will serve San Diego County, which is bordered by the Pacific Ocean, Orange County, Riverside County, Imperial County, and Mexico.

RENs currently cover all densely (or highly) populated electric IOU-serviced counties within California, except for the San Diego region (see Figure 10 below). Approval of the SDREN will close this gap and enable RENs to fulfill the CPUC's vision for RENs statewide to complement and supplement services not provided by IOUs. Existing collaborations established within the region make it well-suited to be designated as a single-county REN.

Figure 10. Authorized REN Territories

The following table showcases statewide RENs and their comparative size and demographic metrics.

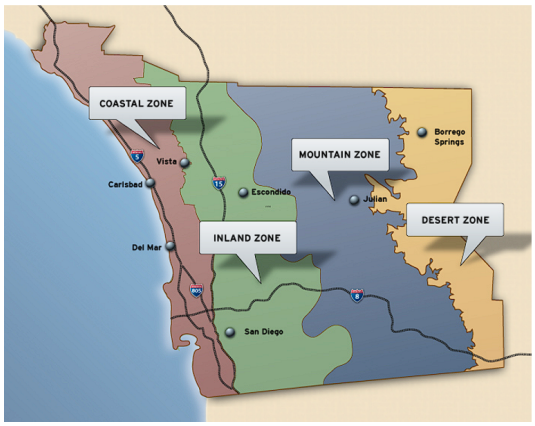
Table 2. Statewide RENs: Size and Demographics

REN	Counties	Cities	Population	Area (Sq Miles)	Population/ Sq Miles	IOU Territory
SDREN	1	18	3.3 million	4,210	784	SDG&E
RuralREN	31	115	7 million	78,249	89	PG&E, SCE, SCG
I-REN	2	52	4.5 million	27,263	170	SCE, SCG
BayREN	9	101	7.8 million	6,907	1,123	PG&E
SoCalREN	12	226	20 million	50,000	400	SCE, SCG
3C-REN	3	25	1.6 million	7,877	211	PG&E, SCE, SCG

Geography

San Diego County covers approximately 4,210 square miles, including 70 miles of coastline, bordered on the south by Mexico. The region is highly diverse in its geography and biology, situated in the rolling hills and mesas that rise from the Pacific shore to join with the Laguna Mountains to the east. San Diego Bay is one of the country's finest natural harbors, hosting tremendous biodiversity. The region covers a large area of vastly different terrain, from miles of ocean and bay shoreline, densely forested hills, and fertile valleys to mountains, canyons, and deserts.[17] This is reflected in the region's diverse range of climate zones: the coastal climate zone 7, inland climate zone 10, mountain climate zone 14 and desert climate zone 15.

Figure 11. Division of Climate Zones in SDG&E territory[18]



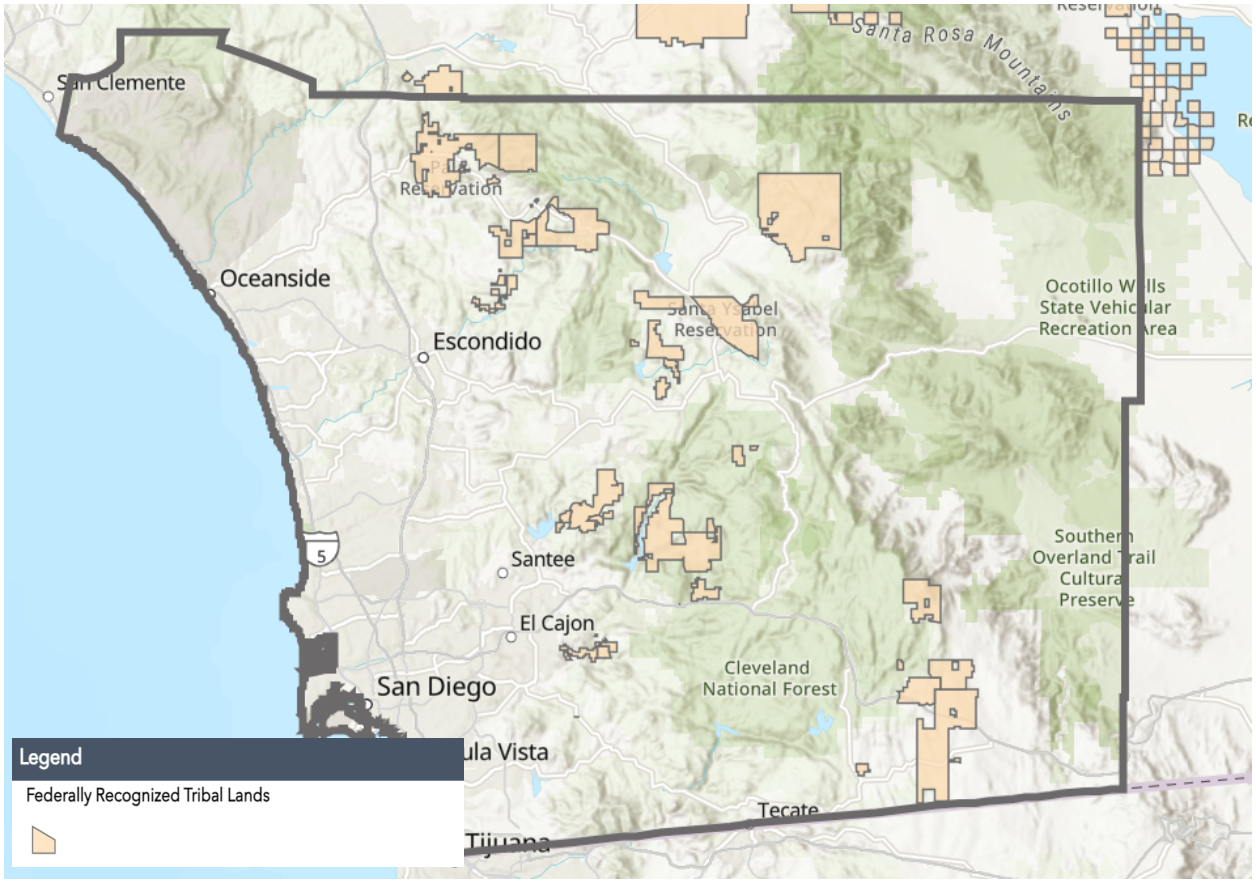
Tribal Context

The Kumeyaay, referred to as Diegueno by the Spanish, are the original inhabitants of San Diego County. The San Diego region is built on Kumeyaay and Luiseño land, with the unincorporated area of San Diego County being home to 18 Tribal communities represented by 17 federally recognized Tribal Governments, more than any other county in the United States.[19]

The County of San Diego and SDCP acknowledge the harmony that existed among the land, nature and its original peoples, who have since endured displacement, persecution, and systemic oppression. The County and SDCP pay respect to the unceded territory and homelands of the 18 federally recognized Tribes in our region, from four cultural groups, the Kumeyaay/Diegueño, the Luiseño, the Cupeño, and the Cahuilla. As climate change increasingly threatens the region, its peoples, and its cultural identities, the County and SDCP aspire to learn from Traditional Ecological Knowledge to create greater harmony with our natural environment and preserve the health of our planet. SDREN's program portfolio will work to find opportunities to provide custom services to San Diego's Tribal communities to bolster their access to resources that support their commitment to environmental stewardship.

[17] Regional Focus 2050 Study, San Diego Foundation 2008.
[18] Image Credit: SDG&E (https://webarchive.sdge.com/baseline-allowance-calculator).
[19] https://www.sandiego.edu/native-american/reservations.php.

Figure 12. Federally Recognized Tribal Lands within San Diego County



Demographics

San Diego County is the second most populous of California's 58 counties and the fifth largest county in the United States, with a population of 3.3 million.

The San Diego region's population is not anticipated to grow significantly by 2050. Between 2016 and 2050, the San Diego region was expected to grow by nearly 700,000. However, San Diego's population is now expected to peak in 2042, and then decline by about 100,000 by 2060, according to the latest regional forecast by the San Diego Association of Governments (SANDAG).[20] Estimates are that by 2060, the region is only expected to have 40,000 more people than it does today, though forecasts still expect the region to add more jobs and housing.

The region's population is aging. The senior and disabled populations are growing disproportionately compared to the rest of the population. By 2050, almost one-fourth of the region's residents will be 65 or older. However, the current largest age demographic is age

[20] https://www.sandag.org/regional-plan/sustainable-growth-and-development.

25-34, which represents a large number of renters and the need to serve a population with marginal disposable income, especially in disadvantaged communities.[21]

The San Diego region is ethnically diverse and will be increasingly so by 2050. Of residents under 18, 46% are Latino/a, and this population is expected to continue to grow at a rapid rate. Approximately 22% of the county's population are immigrants, including refugees who come from other countries, speak 100 different languages, and have various needs as they assimilate into their new environment.[22]

Table 3. Demographic Data for San Diego County

Category	Regional Average Stats
Land Mass (sq mi)	4,210
Population	3,298,634
Population within "underserved communities"	1,855,064
Median Household Income	$91,003
Percent of Residents in Rentals	47%
Unemployment Rate	5.4%
Under 5	6.0%
Under 18	20.7%
Above 18	78.3%
65 or Above	14.1%
Median Age	36.9
Language Other Than English Spoken at Home	36.30%
Percentage of Veterans	7.4 %
Percentage in Poverty	10.60%

Climate Impacts

The San Diego region is a popular place to live, known for its enviable lifestyle, beaches and amenities. The region is uniquely vulnerable to the impacts of climate change, with significant implications for its future success absent urgent collective action.[23]

[21] https://www.sandiego.gov/economic-development/sandiego/population.
[22] San Diego Economic Equity Report 2023.
[23] Ibid.

All climate simulations indicate that **heat waves** will increase in frequency, magnitude, and duration. Data released by The National Oceanic and Atmospheric Administration (NOAA) confirms the predicted trend of the San Diego region growing increasingly warm and dry.[24] Over the next half-century, the warming in the San Diego region will likely equal or exceed the warming experienced over the last 100 years. Summers will be hotter, particularly in the inland areas, and on average, San Diego's daytime temperature will be 1.5 to 4.5 degrees higher than today.[25] Analysis has shown a 10-degree increase in temperature leads to a 3% increase in deaths on any given day. Heat waves have claimed more lives in California in the past 15 years than any other disaster events. In San Diego, heat-related health impacts occur at a higher rate in the inland regions than near the coast, though coastal San Diegans are less likely to have air conditioning.[26]

Climate change will negatively impact the availability of both imported and local **water supplies,** while population and economic growth will drive up water demand. If current trends continue, by 2050 regional water demand is projected to increase 37 percent above recent levels. Regional water demands will continue to be met primarily by importing water, with imports from the Sacramento Delta and the Colorado River comprising about 80 percent of total supplies in 2050. Climate change threatens the reliability of both sources, however. Climate change could yield more instances of drought and reduce the chances that existing water sources will be able to meet projected demands. Despite plans for water conservation, desalinization, and recycling, demand for fresh water will outstrip supply by 2050, with growing potential for conflicts due to resource scarcity.[27]

Increased air **pollution** will take a toll on public health, particularly for the elderly, who will comprise almost one-fourth of the population by 2050. San Diego ozone levels, already above federal standards, are in nonattainment, persistently exceeding the federally designated 8-hour ozone standard.[28]

Wildfires will become more frequent and more intense. San Diego County already has among the worst fire conditions in the country, and the situation is likely to worsen with climate change. San Diego has experienced some of the State's most devastating fires in the last two decades. Moreover, the SB535 disadvantaged communities map overlays the fire threat, warranting the need for resilience and energy efficiency in the region. Wildfire frequency has increased in direct proportion to population growth, portending a hazardous trajectory for the future. Different climate change models yield somewhat different predictions about the frequency, timing, and severity of future Santa Ana wind conditions, leading to uncertainty regarding how San Diego regional fire regimes may differ in the future due to climate change.

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[24] U.S. Climate Normals 2020, NOAA.
[25] Regional Focus 2050 Study, San Diego Foundation 2008.
[26] Kalansky, Julie, Dan Cayan, Kate Barba, Laura Walsh, Kimberly Brouwer, Dani Boudreau. (University of California, San Diego). 2018. San Diego Summary Report. California's Fourth Climate Change Assessment. Publication number: SUM-CCCA4-2018-009.
[27] Ibid.
[28] San Diego Climate Action plan, https://www.sandiego.gov/sustainability-mobility/climate-action/cap.

The CPUC High Fire Threat District Map entirely encompasses the service area aside from the most coastal communities in the region.[29]

The seasonal **precipitation** for San Diego is roughly ten and a half inches depending on which series of seasons is used for the average. The impact of climate change on precipitation is not entirely clear at this time. Analysis indicates that while San Diego will retain its strong Mediterranean climate with relatively wetter winters and dry summers, projections of future precipitation suggest the region will continue to be highly vulnerable to drought.

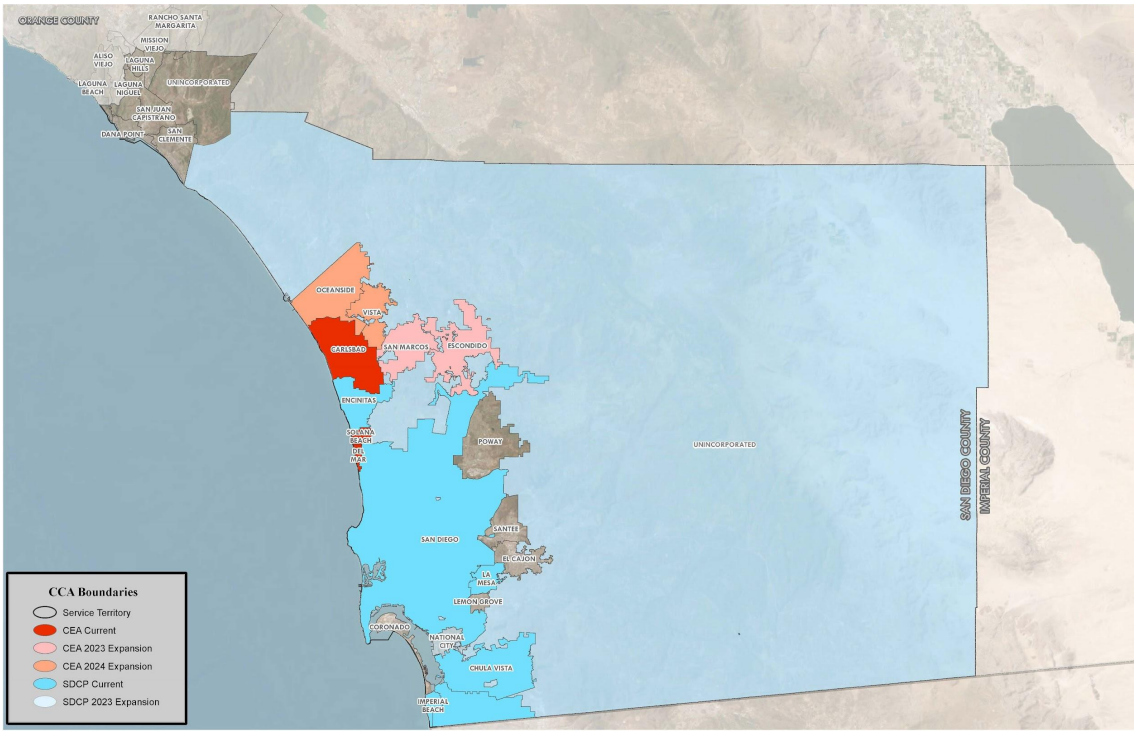
Over the next five decades, **sea level rise** will increase substantially—from threefold to almost sixfold—over its historical rate. By 2050, sea levels will increase relative to the 2000 level by 12-18 inches. As sea levels rise, there will be an increased incidence of extreme high sea level events (which occur during high tides, often when accompanied by winter storms and sometimes exacerbated by El Niño occurrences). Low-lying coastal areas of San Diego are at risk due to the combination of waves, tides, regional wind and barometric effects, El Niño effects and sea level rise. Sandy beach areas, wetlands, commercial, municipal, and residential properties will be lost or harmed, with implications for ecosystems, the economy, recreation, and public health.

Regional Energy Profile

The region's energy, electricity and methane-based natural gas, has historically been served by SDG&E. In 2019, two CCAs, SDCP and Clean Energy Alliance (CEA) formed. CEA began offering services to the cities of Carlsbad, Del Mar, Solana Beach, Escondido, San Marcos, Oceanside, and Vista in 2021. CEA is a member of the SDREN inaugural Advisory Committee and has been an active participant in ongoing and standing collaboration discussions with SDCP and SDG&E on customer energy programs.

[29] https://www.cpuc.ca.gov/industries-and-topics/wildfires/fire-threat-maps-and-fire-safety-rulemaking.

Figure 13. Map of SDCP and CEA Service Area[30]



SDG&E has been the primary provider of energy programs in the region. SDG&E is the only IOU service territory without a REN, providing ample opportunity to bring additional resources to the region's communities.

IOUs have inherent constraints within their EE portfolio, including cost-effectiveness requirements that limit the breadth of program offerings. SDREN will work to fill demonstrated gaps in the region in program participation. For example, historical claims filed by SDG&E in Climate Zone 7, which covers the coastal region of its territory and includes underserved communities, houses 69% of the population but only 49% of the claims. Market characterizations performed by SDCP and its partners reveal opportunities for SDREN to make significant programmatic contributions to the region.

In addition to existing programmatic gaps, the demand for electricity in San Diego County is projected to increase significantly by 2050, largely driven by population increases, greater frequency of heat waves, and peak demand for cooling. Annual electricity consumption is expected to increase by more than 60% and peak loads by 70%. That will push consumption from the current level of approximately 20,000 gigawatt hours (GWh) to more than 32,000 GWH in 2050. Climate change accounts for approximately 2 percent of the expected rise in electricity consumption by 2050, and up to 7 percent of the increase in peak demand.[31]

[30] Active CCA Providers, SDG&E. https://www.sdge.com/customer-choice/community-choice-aggregation/active-ccas.
[31] Regional Foundation 2050 Study, San Diego Foundation.

Climate change will also have an impact on system reliability unless adequate planning and investments are made and consumers modify their consumption patterns. Peak demand will increase due to higher frequency of heat waves. Summertime, when demand is highest, is also the time when electric utility operating efficiency is lower and line losses increase—both due to temperature effects.[32] These impacts will conspire to make managing regional demand even more challenging.

Equity Considerations

A goal of SDREN is to ensure that no communities are left behind in the transformation to a clean energy economy. In alignment with the CPUC's equity segment, SDREN is using "**underserved communities**" and "**hard-to-reach customers**" to describe the target populations in their portfolio.

Figure 14. Defining Underserved[33] Customers in SDREN's Service Territory

"Underserved communities" are at least one of the following…

- A **"disadvantaged community"** as outlined in the Public Resources Code.
- Considered **"low-income"** as defined in the Health and Safety Code.
- In the 25% most disadvantaged communities according to Cal EPA's CalEnviroScreen 4.0.
- At least 75% of public school students **receive free or reduced-price meals**.
- Located on lands belonging to a **federally-recognized California Indian Tribe**.

Per Public Utilities Code Section 1601(e), to be considered "underserved" a community must meet one or more of the criteria listed above.

[32] Ibid.

[33] Any residential or public customers living within an underserved community are considered an underserved customer. Other customers must also be an "underserved business group" as defined within Gov. Code Section 12100.63(h)(2) within an underserved community.

Figure 15. Defining HTR Customers in SDREN's Service Territory

"Hard to reach" communities are…

Governments
- California Native American Tribes of any kind.
- Local governments in the 25% most disadvantaged communities per Cal EPA's CalEnviroScreen.

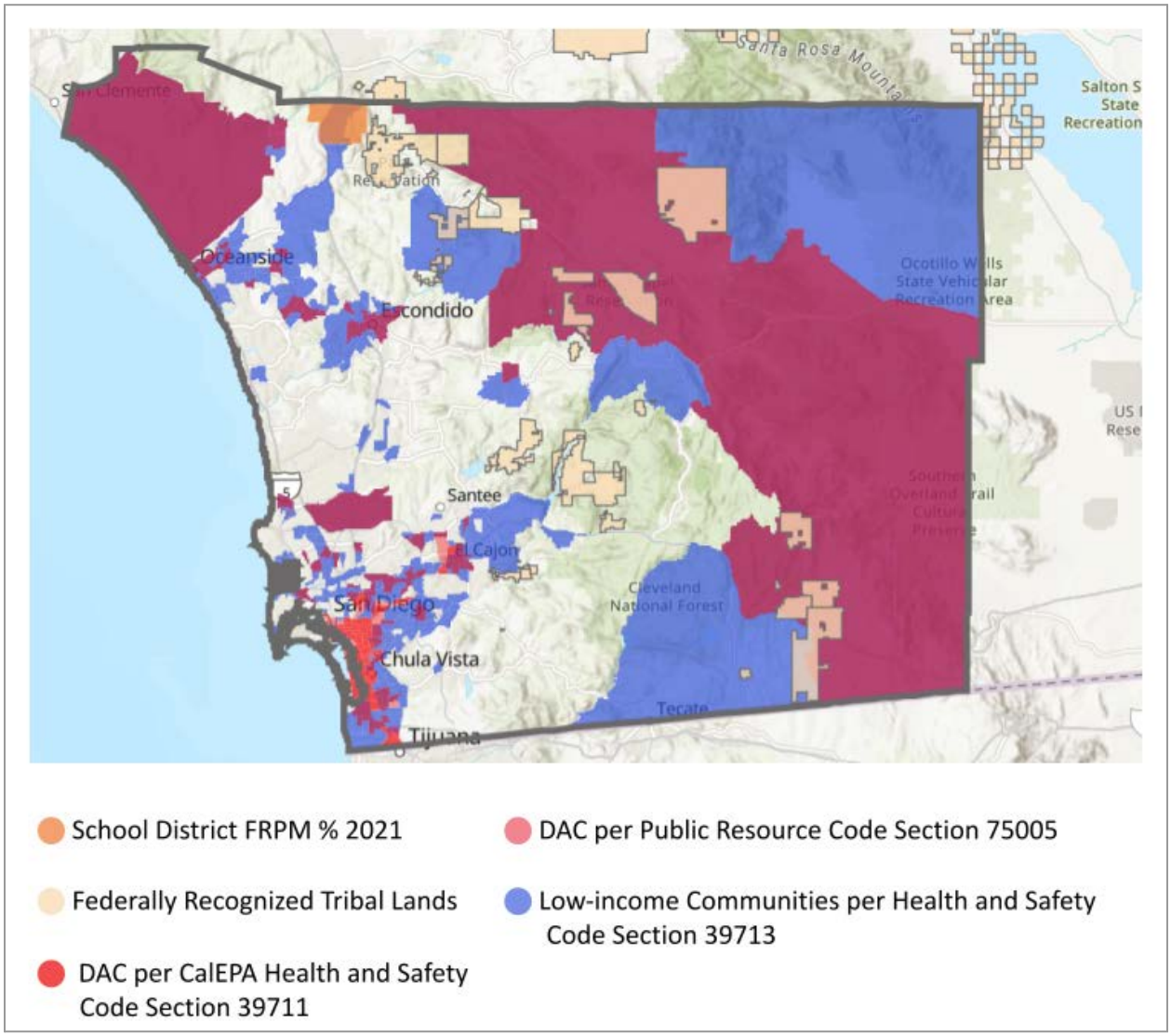
Residents
- In the 25% most disadvantaged communities according to Cal EPA's CalEnviroScreen AND one or more of the following:
  - Primary language spoken is not English.
  - Qualified for CARE/FERA/ Energy Savings Assistance Programs.
  - A tenant in a multi-family or mobile home.
- Not in the 25% most disadvantaged communities according to Cal EPA's CalEnviroScreen, but meeting all other criteria listed above.

Businesses
- In the 25% most disadvantaged communities according to Cal EPA's CalEnviroScreen AND one or more of the following:
  - Primary language spoken is not English.
  - Classified as very small based on annual electric demand (< 20kW and/or < 10,000 therms) or based on having 25 or fewer employees
  - Operating from leased or rented facilities
- Not in the 25% most disadvantaged communities according to Cal EPA's CalEnviroScreen, but meeting all other criteria listed above.

In reviewing this criteria, SDREN has determined that approximately 56% of the region's population lives in an underserved community. Given this, along with the demographic trends of a growing non-English speaking population, a geography with high cost of living, and the highest electric and gas rates in California, SDREN will devote the majority of its portfolio to programs designed to target HTR and underserved communities. SDREN acknowledges the region's substantial disparities in poverty. Compared to their white counterparts, Latino/a San Diegans under the age of 18 were twice as likely to live in poverty, while young Black San Diegans were 2.5 more likely.[34]

[34] San Diego Economic Equity Report 2023.

Figure 16. A map of the region with multiple indicators for underserved communities including CalEnviroScreen DACs, Tribal lands, low-income communities, and FRPM.



SDREN has undertaken stakeholder engagement initiatives and will continue to gather input from stakeholders to inform the design and execution of programs that address long-standing barriers and that are accessible to communities who have experienced structural exclusion.[35]

SDCP, the City of San Diego, and the City of Chula Vista have committed ongoing investments to "**Communities of Concern,**" which are defined as the top 25% scoring areas from CalEnviroScreen, known as Disadvantaged Communities (DACs), as well as the additional census tracts identified by the cities of San Diego and Chula Vista through their Climate Equity Index (CEI) reports.

[35] Stakeholder engagement further described in Section vii. Alignment with Legislative and CPUC Requirements and Relevant Action Plans. Also see Appendix D showcasing letters of support from stakeholders engaged in the process.

SDCP is committed to supporting populations historically underrepresented in energy program participation and receiving associated benefits. As such, SDCP has committed at least 50% of a program's non-administrative budget, to the extent allowed by funding sources, to participation from Communities of Concern. SDCP will center Communities of Concern in program design to enable participation by all customers. It is important to note that while SDCP will follow the commitment with internal funds, it may not be possible with external funds due to specific rules and regulations.

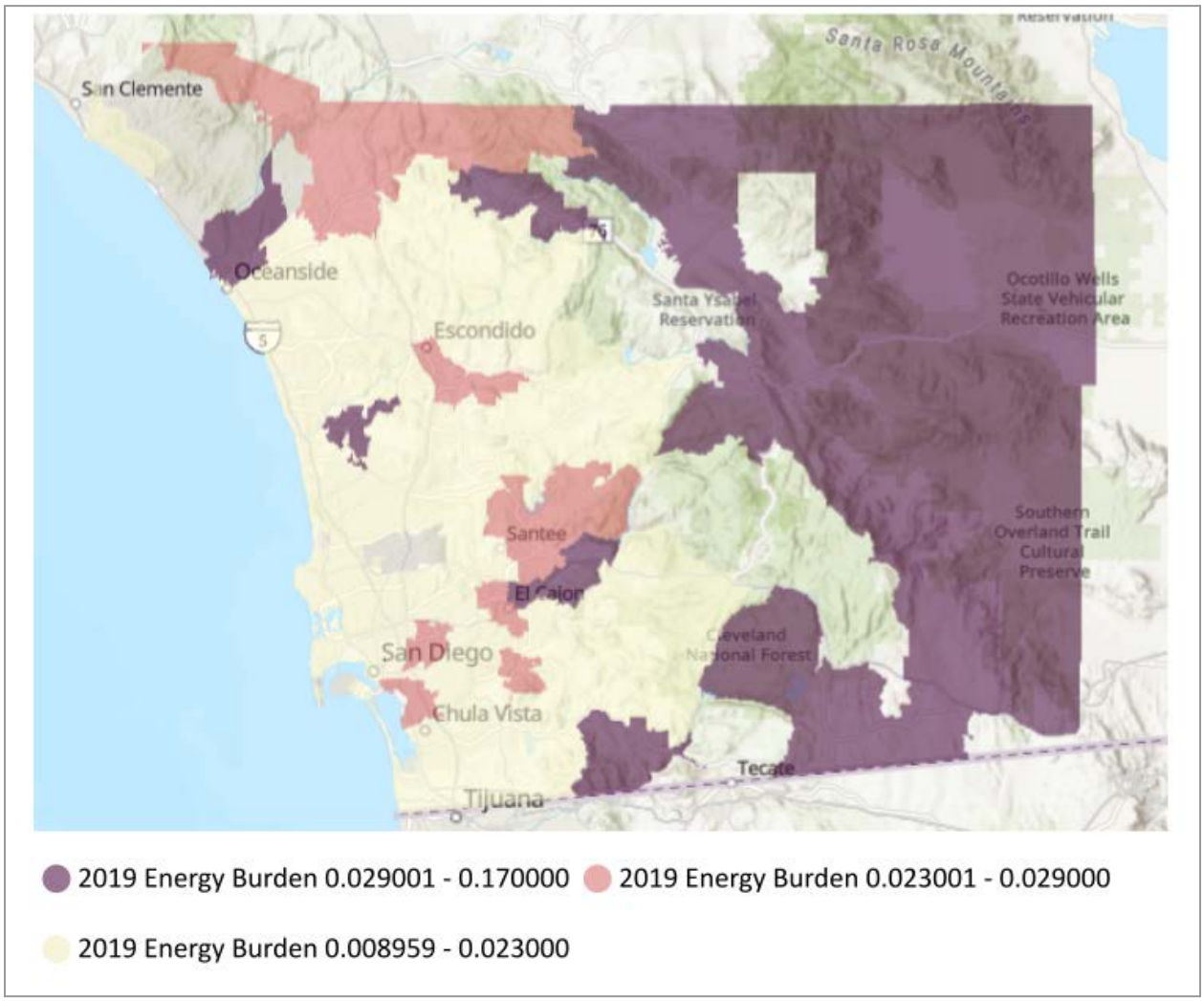
In 2019, the City of San Diego developed the first-of-its-kind Climate Equity Index (CEI), in partnership with several community-based organizations representing Communities of Concern or advocating for environmental justice policy development. Specifically, the City of San Diego identified Communities of Concern as areas with very low, low, and moderate access to opportunity, whereas the City of Chula Vista defined them as the top 25% scoring areas within its own analysis.[36] In an ongoing attempt to elevate community-based language and needs, SDREN will continue to consider any indicators or definitions proposed by SDCP's member agencies.

The goal of the CEI is to measure the level of access to opportunity residents have within a census tract and assess the degree of potential impact from climate change to these areas. The CEI is the first tool in the country that considers the effects of climate change, environmental pollution, and vulnerable populations. With the CEI, the City of San Diego has better identified Communities of Concern to include census tracts with very low, low, and moderate access to opportunity. These include Oceanside, Escondido, El Cajon, and National City. These regions are also considered underserved according to the CPUC's definition.

Energy costs and the energy burden for San Diego County residents disproportionately impact underserved communities. In 2021, an estimated 335,000 San Diegans were living below the poverty line.[37] With about one in ten San Diegans not having enough income to pay for basic expenses, this demonstrates a significant need to reduce energy burden. According to the DOE's Low-Income Energy Affordability Data (LEAD) tool, the national average energy burden for low-income households is 8.6%, three times higher than the estimated 3% for non-low-income households. In San Diego, low-income households paid an average of 3.9% of their income for energy, while all households paid an average of 2.3%. SDREN's proposed portfolio brings additional customized resources that are best equipped to penetrate these more vulnerable populations and overcome typical barriers to program participation.

[36] City of San Diego Climate Equity Index, https://www.sandiego.gov/sites/default/files/prbr210715a-item201b.pdf.
[37] San Diego Economic Equity Report 2023.

Figure 17. A map demonstrating the region's energy burden[38]



Workforce

Over the last 50 years, the San Diego region's economy has changed from one reliant on military, naval shipping, agriculture, and fisheries to a more diversified economy including manufacturing, scientific research, communications technology, and tourism. The San Diego region's economy relies heavily on the service sector for the majority (72.2%) of its output. Major service sector industries include financial, trade, professional and technical services, communications, high-technology, and hospitality. With respect to the production of

[38] Public data collection effort of customers reporting their annual energy cost and income.

goods in San Diego County, manufacturing, construction, and agriculture are the largest industries, accounting for 7.3 percent, 5.3 percent and 1 percent of total output respectively.

San Diego's unemployment rate is currently 5.4%. Employment declined less and recovered more quickly than in most other regions in California after the COVID-19 pandemic. The San Diego region has seen above-average employment growth, sitting at 2.9% relative to pre-pandemic levels (1.3 percentage points higher than statewide). Jobs in professional, scientific and technical services, health care, and transportation and warehousing are driving growth in the San Diego region. Expansions in administrative and support services have also contributed to job growth in the region.

The RDF-Technical Report estimates that no jobs in the region's fossil fuel-based industries will be displaced by 2030, even with contractions in fossil fuel demand.[39] However, job displacements will occur between 2031 – 2050, as oil consumption in the region falls by 95 percent relative to the present level and natural gas consumption falls by 75 percent. The modeling used in the RFD-Technical Report indicates that decarbonization will result in net job creation overall. Therefore, advancing the transition to a zero emissions economy is a critical part of regional decarbonization, and developing a viable set of just transition policies for the workers in the community who will experience job displacement between 2031 – 2050 will be essential.

There is an opportunity to meet demand for energy jobs that support statewide goals as the younger population (28% under 18) grows. The regional decarbonization framework projects overall net job creation due to decarbonization initiatives.[40] However, creating jobs is not enough to prevent negative impacts on workers. Ensuring the creation of high-road jobs is key. High-road jobs are defined by both job quality (i.e., family-supporting wages and benefits, long-term career pathways, and worker protections) and job access (i.e., access and entry-points to good jobs for local workers and training to support advancement). High-road jobs are a win-win approach for employers and communities as employers gain access to skilled and committed workers, and community members gain access to good careers. Investments in growing, diversifying, and upskilling the workforce can positively affect returns on climate mitigation efforts. In other words, well-trained workers are key to delivering emissions reductions and achieving climate targets.

Energy Efficiency Strategy

As described previously, SDREN's proposed EE strategy for the San Diego region builds off of the foundation established through long-standing local collaborations in the region and are informed by SDREN's values and principles to deliver on the goals of decarbonization, comprehensive EE services, and building the local energy economy.

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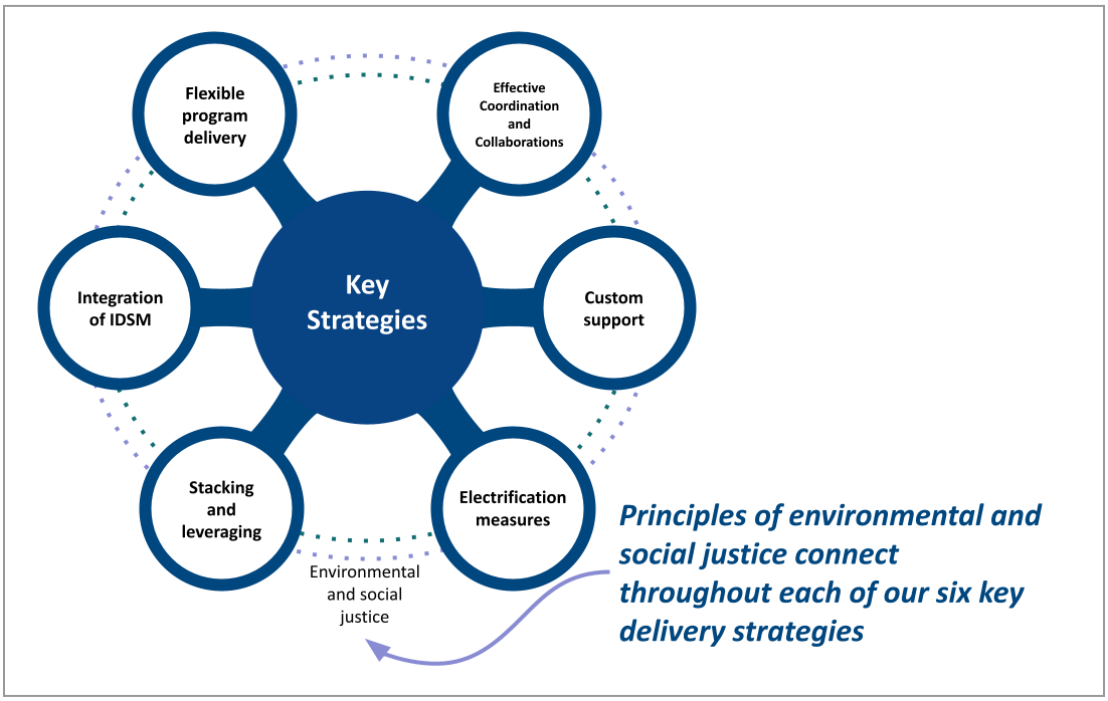
[39] Carol Zabin, Maggie Jones, and Betony Jones, June 13, 2022, "Putting San Diego County on the High Road: Climate Workforce Recommendations for 2030 and 2050," Inclusive Economics, Oakland, CA.

[40] Eric Larson et al., "Net-Zero America: Potential Pathways, Infrastructure, and Impacts - Final Report Summary" (Princeton University, October 29, 2021), https://netzeroamerica.princeton.edu/img/Princeton%20NZA%20FINAL%20REPORT%20SUMMARY%20(29Oct202).pdf.

Collectively, the portfolio-level strategies incorporate several key approaches as shown in Figure 18 below.

Figure 18. SDREN Key Strategies



These key strategies will be integral to the SDREN through the Business Plan period and beyond. The tactics below are central to the first four-year Portfolio Plan and will continue to be refined over the Business Plan period.

Savings Forecasting and Quantification Methods

SDREN's savings forecast methods vary by the type of program being delivered. SDREN's savings projections were developed using only the approved savings assumptions and/or methodologies, as follows:

- SDREN is proposing a **single resource acquisition program** that will comply with D.23-06-055 by using a **meter-based method** for savings measurement. Savings forecasts were developed taking into account program ramp-up and available incentive budgets, including incentive rate estimates in line with other similar programs. Savings claimed will be based on **actual savings realized** and will apply a population-level NMEC approach in alignment with the most current version of the CPUC's NMEC Rulebook.
- All **equity and market support** programs utilize **Deemed Measures** that are currently approved and active in the eTRM (California Electronic Technical Reference Manual) database and follow the Statewide Deemed Workpaper Rulebook.

SDREN is not using the current custom process and meter-based methods to savings measurement as they will not be cost effective with the target customers in equity and market support segmented programs.

While SDREN recognizes the benefits of meter-based savings approaches, there are currently limitations to its effectiveness for certain customers. SDREN will actively engage in statewide working groups to overcome barriers and explore more cost effective solutions for smaller customers. SDREN third-party implementers will also be encouraged to explore opportunities to incorporate meter-based savings approaches into the programs. SDREN will also incorporate approaches through the JCM process how to support SDG&E third-party program providers with the delivery of meter-based savings projects, as appropriate.

Strategies for Market Intervention and Energy Efficiency Adoption

SDREN will incorporate the following strategies for market intervention and EE adoption.

Table 4. Strategies for Market Intervention Based on Target Audience

Target Audience	Strategy
Non-English speaking resident or business owner	• **In-person equitable and inclusive education and outreach** (i.e. in-language materials with cultural understanding, vision and hearing impaired customers taken into consideration) conducted by trusted local individuals when possible.
Homeowner, business owner, public agency	• **Offer comprehensive concierge services and speak to holistic benefits** to simplify adoption by customer and present a single point of entry to access programs, including SDG&E offerings. • **Provide customized technical assistance paired with advisory services** to identify and install comprehensive EE and IDSM opportunities at homes/facilities. • **Offer funding, financing assistance, and guidance** to customers on how to qualify, utilize, and stack funding sources, such as IRA, on-bill financing (OBF), TECH, and self-generation incentive program (SGIP). • **Provide direct installation of no to low cost EE measures.** • **Deliver outreach, education and training** to improve access, increase participation, increase awareness and knowledge of how to manage and reduce energy consumption. • **Partner with CBOs** to deliver messaging and services through local, trusted community members.

Tribes	● **Offer direct funding to Tribal nations** to propose, design, and deliver tailored programming and initiatives to meet their unique community needs to increase access to EE programs, reduce energy burdens and decarbonize assets. ● Provide **ongoing access to technical advisors** with EE expertise to support successful implementation of programming and initiatives. ● Also, refer to **all strategies noted above for other public agencies.**

Disadvantaged workers[41]	● **Build and leverage external partnerships** to enhance DAC worker outcomes such as:
	  ○ Employers to provide training to staff and boost opportunities for growth, and
	  ○ Local community college partnerships to provide college level courses and skill development opportunities.
	● **Provide education** through the provision of training, certifications, networking, and apprenticeship opportunities to build skills to enter the green workforce.
	● **Offer wraparound services** such as career coaching to match participants with employers to secure clean energy jobs.

Employers connected to EE deployment	● **Support and work alongside employers** to understand and overcome barriers to offer targeted EE training for staff. ● **Deploy a targeted survey** to local employers to determine emerging clean energy industry careers and required skills and qualifications for incoming professionals to be successful. ● **Stack opportunities** available to employers by connecting them to other workforce development programs.

[41] Disadvantaged worker definition from D.19-08-006, Attachment B, p.6: "Disadvantaged Worker" means a worker that meets at least one of the following criteria: lives in a household where total income is below 50 percent of Area Median Income; is a recipient of public assistance; lacks a high school diploma or GED; has previous history of incarceration lasting one year or more following a conviction under the criminal justice system; is a custodial single parent; is chronically unemployed; has been aged out or emancipated from the foster care system; has limited English proficiency; or lives in a high unemployment ZIP code that is in the top 25 percent of only the unemployment indicator of the CalEnviroScreen Tool.

Code enforcement officials and stakeholders	• **Leverage data driven insights** to develop **tools, technical resources, and templates** for permitting electrification and other energy efficiency measures. • **Educate officials and authorities** having jurisdiction (AHJ) about permitting and codes. • **Provide person-to-person support** through an Energy Code Coach to provide comprehensive compliance and enforcement strategy support services.

New Strategies for Spurring Innovation

With a focus on SDREN's principles of environmental equity, collaboration, and community-driven, SDREN will incorporate the following strategies to spur innovation throughout the portfolio:

Table 5. Strategies for Innovations Based on SDREN Principles

SDREN Principle	SDREN Strategies for Innovation

Environmental Equity	• Focus on methods that maximize non-energy benefits for equity customers such as:
	  ○ Engage multiple markets to identify best strategies to reach equity customers, and
	  ○ Build environmental justice priorities and opportunities to suggest innovations into all program solicitations.
	• Compensation for CBOs that engage and support SDREN. SDREN would also provide any needed energy education and training to these groups, in order to build staff capacity and more effectively contribute to SDREN goals.

Collaboration	• Prioritize collaboration, coordination and flexibility in program design in order to fill gaps and develop future innovations through the following strategies:
	  ○ Work with local energy program administrators and implementers to optimize coordinated service delivery and ensure resources are used efficiently.
	  ○ Work with SDREN Advisory Committee members and other regional partners, such as CBOs and local governments, to design approaches that reflect local needs and priorities, and maximize advantages for local communities.

	• Leverage and marshal financial resources, provide access to financing, integrate and stack funding sources. ○ This includes state and federal funding opportunities, such as IRA and the CEC Equitable Building Decarbonization DI Program, as well as regional offerings, such as SDG&E programs, where feasible.
Community-Driven	• Engage communities at early stages of planning to ensure the services that are developed and delivered not only reflect local needs and priorities but invest in community based program delivery. • Identify success measures reflective of desired community outcomes, informed by SDCP's Community Power Plan and the County of San Diego's Regional Decarbonization Framework. • SDREN Advisory Committee to include CBOs with the role to advise on outreach and enrollment, provide feedback on program evaluation reports, and recommend program improvements. • Ongoing engagement will focus on collecting feedback to inform 2028-2031 Portfolio Plan. ○ This will also be informed by the Community-based pilot led by SoCalREN.[42] • Tribal program designed to ensure community driven and culturally-centered design and service delivery.

Strategy for Incorporating Low Global Warming Potential Refrigerants

Hydrofluorocarbon refrigerants (HFCs) are "super" GHGs that are currently being phased out, but significant support is needed to accelerate the San Diego region to a safe transition to Low Global Warming Potential (low-GWP) refrigerants. Low-GWP refrigerants will be incorporated into the portfolio using the following strategies.

Table 6. Strategies for Incorporating Low-GWP Refrigerants Based on Sector

Portfolio Sector/Program	SDREN Supporting Strategy
Residential, Commercial and Public	• Offer education about low-GWP refrigerants with customers receiving relevant measures or recommendations within technical assistance offered.

[42] D.23-06-055, OP 30.

	• Requirements for installers to use low-GWP refrigerants in newly installed equipment. • Support proper reclamation of HFC refrigerants in addition to providing measures with low-GWP refrigerants.
Codes & Standards	• Provide information to all local permitting agencies and other market actors about the HFC phase out and low-GWP refrigerants along with code requirements.
Workforce Education & Training	• Incorporate training to participants on proper installation and management of low-GWP refrigerants and proper reclamation of HFC-based refrigerants, along with education about phase out and benefits of low-GWP.

Additionally, SDREN will cooperate with the Market Transformation administrator should new HVAC and refrigeration initiatives be introduced to handle new low-GWP changes and regulations.[43]

Integrated Demand Side Management (IDSM) Strategies

CPUC ruling D.23-06-055 authorizes PAs to propose IDSM programs by submitting a Tier 3 Advice Letter (AL) no later than March 15, 2024 for programs to be launched during the 2024-2027 portfolio period. Guidance for what is to be included in the AL was issued by the Energy Division (ED) on December 28, 2023.

Given that SDREN is not anticipated to be authorized as a PA before March 15, 2024, SDREN's proposed framework and strucuture for their IDSM strategy is outlined below. SDREN will file a Tier 3 Advice Letter following the guidance issued by the Energy Division within six months of SDREN's authorization.

SDREN anticipates allocating the full cap of $4 million towards IDSM activities.[44] The integration of other IDSM activities and services alongside EE is a cost effective use of resources to drive deeper decarbonization strategies across the region. In line with SDREN's goals of decarbonization and the portfolio strategy of customized support, SDREN will comprehensively consider IDSM opportunities across all programs to be integrated throughout the portfolio.

[43] D.21-05-031 at 60.

[44] Per CPUC ruling A.22-02.005, a PA may, but is not required to, expand up to 2.5 percent, or $4 million, whichever is greater, of its energy efficiency budget for the portfolio period, up to a maximum of $15 million, on a pilot basis for ongoing load shifting that reduces peak consumption.

SDREN's proposed potential IDSM strategies across the portfolio include:

- **Regional IDSM Working Group**
    a. Convene regional load serving entities (LSEs) (CEA, SDCP, and SDG&E) to discuss IDSM programs, including building electrification, transportation electrification, demand response, distributed generation, and storage, in order to optimize SDREN program design and delivery.
    b. Discuss regional grid needs (e.g., hosting capacity, distribution congestion, etc.) to inform program design, electrification priorities, and operational strategies.
    c. As appropriate, update SDREN IDSM activities to incorporate feedback from Regional IDSM Working Group.
- **Equipment specification**
    a. Document eligibility requirements of IDSM program, including equipment features and functionality, OEM eligibility, DERMS integration, and compatibility with relevant codes, industry standards and workforce needs.
    b. Work with SDREN implementers to align, to the extent possible, program Qualified Product Lists (QPLs) with regional IDSM program requirements.
- **Identification, Installation and Commissioning**
    a. Identification of IDSM opportunities based on customer preferences.
    b. Incorporate enrollment (e.g., device enrollment) support and process (e.g., T&Cs acceptance) into SDREN programs, including marketplace offers, contractor partnerships, and ED guidance on incentive stacking and IRA reporting.
    c. Integrate device commissioning requirements for IDSM programs (e.g., digital connectivity commissioning, DERMS integration) into contractor driven SDREN program delivery.
    d. Ensure customer preferences, awareness, and education activities are integrated throughout the program delivery lifecycle.
- **Codes and Standards**
    a. Provide education and technical support to code officials on implementation of new requirements related to flexible load technologies (e.g., Title 24 Compliance Credits for Storage and HPWHs, Flexible Demand Appliance Standards).
- **Workforce education and training**
    a. Incorporate flexible load program requirements, incentives, commissioning processes and other IDSM program material into EE training modules for participating contractors.
    b. Educate and collaborate with participating contractors on inclusive outreach, customer acquisition, and sustained customer satisfaction with technology and behavioral interventions contributing to IDSM program goals.
- **Education and customer support**
    a. Assist customers in applying for additional IDSM funding and incentives.
    b. Incorporate information on the opportunities and benefits of IDSM program participation into customer education and outreach materials and workshops.

Customers will be channeled into appropriate programs and decarbonization strategies that will result in event-based or permanent load shifting or load reduction. As part of its development of IDSM strategies, SDREN will closely coordinate with other IDSM programs and administrators.

Strategies for Tracking Outside Funding

The CPUC is focused on leveraging non-ratepayer funds to increase EE project implementation opportunities for customers. Substantial new funding for EE and IDSM projects is being made available through federal and state agencies. Many of these federal and state programs have not yet been launched and the final program designs and eligibility criteria have not yet been finalized. It is, therefore, not possible at present to know when and how these outside funds will be applied within SDREN territory to support specific customer EE activities.

SDREN is committed to the leveraging and stacking of non-ratepayer funding whenever possible, and supports the dissemination of information to customers, as a component of SDREN program's ME&O, on the applicable state and federal funding that is available to support their EE and IDSM projects. Additionally, to reduce customer confusion and complexity, SDREN anticipates supporting customers through the process of securing these additional funds when appropriate.

A majority, if not all, of the state and federal funding that will be available will flow directly to customers and not through SDREN. In these cases, it may not be possible for SDREN to accurately track the use of these funds separately. SDREN can work through the program "energy coaches" to collect this information through customer consultations. Customers can also be requested to self-report through a program survey, but this may be prone to data gaps when done voluntarily. SDREN is, however, supportive of future CPUC direction related to collecting information on customer use of non-ratepayer project funding that is feasible and practicable for SDREN to collect and track.

Portfolio Management Strategies

SDREN's portfolio management approach is focused on helping underserved and HTR communities invest in and accelerate decarbonization strategies and actions that benefit them and hasten the transformation to a clean energy future. SDREN's management strategies that help drive the distribution of budget across segments and sectors are described below in descending order based on priority for investment.

Segmentation Strategy Summary

Figure 18. Defining Equity

Equity

The purpose of Equity segment programs is to provide energy efficiency to HTR or underserved customers and disadvantaged communities to advance the CPUC's ESJ Action Plan.

All programs within the SDREN portfolio have been designed with equity objectives in mind, regardless of segmentation. For example, a key strategy of SDREN's portfolio is to involve communities, grassroots organizations, and CBOs early in program development to assess needs, design strategies, and deliver the programs that meet local needs. SDREN's alignment with the CPUC's ESJAP is described later under the section *Portfolio Design and Alignment with Legislation and Relevant Action Plans*.

Nearly half (46%) of SDREN's portfolio is directed to Equity programs that support underserved communities. These programs will be key in driving progress towards SDREN's long-term goal of equitable decarbonation of the San Diego region. To support this goal, SDREN has integrated the following strategies into its equity programs:

- Focus outreach on and target underserved and HTR customers.
- Provide in-person, equitable, and inclusive outreach and support services.
- Customized energy programs and strategies shaped by community input.
- 1:1 support to connect customers to all other available programs, services, and funding opportunities.
- Offer direct installation of EE measures.

Additionally, SDREN will market and support customers in leveraging other resources and programs to maximize the benefits to these communities.

Figure 19. Defining Market Support

Market Support

Market Support programs have a primary objective of supporting the long-term success of the energy efficiency market by educating customers, training contractors, building partnerships, or moving beneficial technologies towards greater cost-effectiveness.

A portfolio goal is to advance greater understanding and increase awareness and participation in energy programs, reduce the energy burden for communities, and lessen market confusion. SDREN's Market Support strategy, comprising over one third (34%) of its portfolio, seeks to bolster the green energy workforce in underserved communities by providing green career pathways for K-12 students, training adults who are incumbent or new to the green job market, developing skills, and supporting employers to increase green career opportunities.

A centerpiece of SDREN's Market Support strategy is to engage public sector agencies to adopt decarbonization measures. SDREN will support the County, 18 incorporated cities, 47 school districts and 31 water agencies to implement energy efficiency and decarbonization strategies, including agency wide benchmarking and strategic energy resilience planning. Start to finish customized, unbiased, hands-on, expert guidance and support will enable public agencies to accelerate adoption of urgently needed clean energy actions.

Figure 20. Defining Resource Acquisition

Resource Acquisition

Resource Acquisition programs have the primary purpose of, and a short-term ability to, deliver cost-effective avoided cost benefits to the electricity and natural gas systems. Short-term is defined as during the approved budget period for the portfolio. (This segment should make up the bulk of savings to achieve TSB goals).

Fourteen percent of the portfolio budget is directed to Resource Acquisition through a program supporting commercial property owners. This program will help SDREN advance decarbonization, reduce energy burdens, reduce energy consumption, and increase participation in and access to EE programs. The program will focus outreach efforts on small to medium HTR and underserved commercial customers that may be missed or passed over by other programs. A key strategy will be to provide performance-based incentives designed to cause project developers (aggregators) to deliver projects that reduce peak demand usage and verifiable savings. It is intended to deliver a majority of the TSB savings for the portfolio.

Sector Strategies

Following is an overview of SDREN's strategies for each portfolio sector in descending order based on priority for investment.

Residential

SDREN proposes two Residential programs, both of which address equity. Both fill gaps in current SDG&E offerings to multifamily and single-family customers by providing customized support and education. Because residential customers are typically confused by the number of program offerings and entry points, pairing behavioral engagement is a key strategy to

demystify funding opportunities for residents. Programs highlight non-energy benefits and incorporate a pathway to electrification through education about "healthy homes." The total eight-year budget for Residential programs is $84 million, representing 29% of the overall portfolio.

Commercial

SDREN proposes three Commercial sector programs that fill gaps and coordinate closely with SDG&E programs. Two are equity programs supporting small-medium businesses by raising awareness and increasing adoption of EE and other IDSM practices and measures. These programs will deploy a direct install approach to alleviate the cost barrier to participation and allow store owners to participate in EE program offerings as store owners have limited staff capacity and capital to invest in energy efficient equipment. The third program is a resource program providing incentives to commercial customers that realize peak demand reduction and verifiable energy savings. The total eight-year budget for the Commercial sector is $83.8 million, representing 29% of the SDREN portfolio.

Public Sector

The Public Sector segment offers two programs that fill gaps in SDG&E services. One is a market support program that offers customized and unbiased end to end EE project services to public agencies within San Diego County. The second is an equity program that will collaborate with Tribal communities to determine program design and delivery. There are no current Tribal specific strategies or programs offered by SDG&E. The total eight-year budget for the Public Sector is $56 million, representing 20% of the SDREN portfolio.

Cross-Cutting – Workforce, Education and Training (WE&T)

SDREN proposes two Market Support WE&T programs that fill gaps and support development of a green workforce representative of vulnerable populations, with opportunities to build more resilient communities. These programs support green career development for K-12 students, provide clean energy jobs training for new market entrants, and green workforce training through employers. The total eight-year budget for the Cross-Cutting WE&T sector is $46.3 million, representing 16% of the SDREN portfolio.

Cross-Cutting – Codes & Standards (C&S)

SDREN's proposed C&S program will supplement and complement both the SDG&E C&S programs and all statewide C&S programs. SDREN's program will provide local agencies with policy and compliance support and enhance communication and experience among permitting authorities and permit applicants.

SDREN's C&S program works with public agencies to provide policy and compliance support. The program fills gaps in the current SDG&E program which primarily focuses on advocacy at the CEC and DOE related to appliance and building standards. Programs designed for permitting agencies and local governments focus on Title 24 compliance education and adopting Title 24

reach codes. These programs are offered statewide by PG&E, SCE and SDG&E with limited local customization. All RENs in the state will have a C&S offering starting in 2024 highlighting a clear gap in San Diego for this enhanced support. The total eight-year budget for the Cross-Cutting C&S sector is $17.6 million, representing 6% of the SDREN portfolio.

Distribution of Budget Among Sectors and Segments

The below tables provide a summary of the budget allocations based on the strategies described above.

Table 7. Budget Overview by Segment (excluding EM&V)

Segment	# of Programs	8-year Budget	% of Portfolio
Equity	5	$132,578,532	46%
Market Support	3	$97,891,627	34%
Resource Acquisition	1	$39,690,430	14%
Codes & Standards[45]	1	$17,640,065	6%

Table 8. Budget Overview by Sector (excluding EM&V)

Sector	# of programs	8-year budget	% of Portfolio
Residential	2	$84,067,503	29%
Commercial	3	$83,791,159	29%
Public	2	$55,997,047	20%
CC-WE&T	2	$46,304,880	16%
CC-C&S	1	$17,640,065	6%

Portfolio Coordination

A key for success in achieving SDREN's energy goals and outcomes is the effective collaboration and coordination among the numerous entities providing energy services to constituents. SDREN will actively coordinate with the following organizations and programs:

- **RENs statewide.** SDREN will join and engage in ongoing participation in the newly formed CalREN[46] organization.
- **SDG&E.** SDREN will coordinate with SDG&E in several ways, including (1) through the bi-annual Joint Cooperation Memo (JCM), (2) ongoing regular coordination at the portfolio level, and (3) additional coordination at the program level with SDG&E and associated third party implementers where complementary services are offered by SDREN.

[45] Codes & Standards is classified as both a segment and as part of the Cross-Cutting sector.
[46] https://californiaregionalenergynetworks.org.

- **Statewide programs.** SDREN will coordinate with the new BayREN statewide offering and will coordinate with all applicable statewide programs, including:
    - Statewide Reach Codes Program
    - Energy is Everything
    - Energize Careers
    - Golden State Rebates
    - Quality Residential HVAC Services Program
    - Comfortably California
    - CA Food Service Instant Rebate Program
    - Higher Education Energy Efficiency Program (HEEP)
    - California Energy Design Assistance Program (CEDA)
- **Other regional partners.** SDREN will coordinate with SDCP and CEA programs, as well as other regional partners delivering energy and workforce programs.
- **Other DSM programs.** SDREN will coordinate with other DSM programs, including:
    - CPUC DSM funding: TECH, BUILD, DR, SGIP, EV Charging
    - CPUC low-income programs: ESA
        - Single-family coordination
        - Multifamily coordination
    - Market Transformation
        - Emerging technologies, workforce initiatives, and strategies related to building performance and grid interactive buildings and grid impacts.
    - IRA, other federal funding
        - Education and guidance for customers on how to take advantage of offerings.
    - CA Equitable Building Decarb DI program and other state funding
        - Coordination with the SoCal Administrator for marketing and outreach to customers.

Evaluation, Measurement, and Verification (EM&V)

SDREN will coordinate with the CPUC, other PAs, and appropriate stakeholders to define data collection requirements and processes. SDREN will ensure data collection procedures capture relevant information that informs CPUC evaluation activities, program performance, and continuous improvement.

Table 9. EM&V Budget

Sector	8-year budget	% of Portfolio
EM&V	**$11,512,026**	4%

Alignment with CPUC Requirements

The development of SDREN's business plan follows all CPUC guidance and requirements as described below. Additionally, SDREN will comply with all applicable Commission policies and directives following authorization.

SDREN's business plan aligns with the CPUC's Guidance Decision (D.12-11-015 and updated in D.19-12-021) for Regional Energy Networks which calls for RENs to conduct activities that utilities or CCA Program Administrators cannot or do not intend to undertake. RENs may pilot activities where there is no current utility or CCA PA program offering, and where there is potential for scalability to a broader geographic reach, if successful. In addition, RENs may also pilot activities in HTR markets, whether or not there is a current utility or CCA PA program that may overlap.

All programs described in the 2024-2027 portfolio plan meet at least one of the existing REN criteria as listed above. SDREN also proposes that "underserved" be incorporated into the third criteria as detailed in the section *Recommendation for New or Modified EE Policy.*

SDREN's proposal conforms with other CPUC directives, as follows:

- SDREN will coordinate with SDG&E on a Joint Cooperation Memo (JCM) to avoid overlap and duplication of programs and services.
- Programs are properly segmented, as follows:
    - Resource Acquisition
    - Market Support
    - Equity
    - Codes and Standards.
- SDREN's business plan provides information on SDG&E programs and how proposed program designs mitigate or minimize ratepayer risk of program overlap or duplication.
- Programs that only meet the criterion of serving HTR customers (and not the gap filling or pilot criteria confirmed by D.19-12-021) are/will be designed to target, and will be marketed exclusively to, HTR customers or specific HTR customer segments.
- SDREN's proposal is a result of coordination with overlapping PAs (SDG&E) in the course of preparing the filings.

The CPUC ruled in D.19-12-021 (pg 21) that a new REN proposal may be brought forward to the Commission by filing a motion in the Energy Efficiency Rolling Portfolio proceeding or its successor (in whichever proceeding is the open EE rulemaking at the time of the REN proposals), imposing certain requirements. A table outlining SDREN Business Plan compliance is included *Exhibit 3 - Appendix F*.

Alignment with Legislative Requirements and Relevant Action Plans

At its foundation, SDREN's eight-year Business Plan is guided by the state's goals of doubling EE in existing buildings by 2030, reducing emissions from existing buildings by at least 40 percent below 1990 levels by 2030, achieving 100 percent renewable and zero-carbon retail electricity by 2045, and becoming entirely carbon neutral by 2045. SDREN's Plan is also guided by the state's focus on identifying and addressing barriers to advancing EE and decarbonization in low-income and disadvantaged communities, as well as the CPUC's most recent ESJAP 2.0 Update. Across all SDREN programs, the intent is to support and advance both state legislative

mandates as well as deliver programs that meet CPUC regulatory requirements, while simultaneously providing unique value to our local constituents.

The SDREN portfolio design and budget are aligned with the following policy and legislative mandates and actions plans:

- **CPUC Environmental & Social Justice Action Plan 2.0**
    - To demonstrate its commitment to advancing the state's equity goals by serving ESJ communities, the SDREN is deeply aligned with the CPUC's Environmental and Social Justice Action Plan (ESJAP) goals as described below.

Table 10. SDREN Business Plan Alignment with ESJAP

ESJAP Goals	SDREN Alignment
Goal 1: Consistently integrate equity and access considerations throughout CPUC regulatory activities.	Equity and ESJ considerations are integrated throughout the SDREN Business Plan, and will be included in all future regulatory filings if authorized. The SDREN governance structure considers ESJ priorities within its Advisory Committee. There will be an effort to include ESJ representation on the committee and members will be provided educational opportunities to better understand the regulatory and decision making process.
Goal 2: Increase investment in clean energy resources to benefit ESJ communities, especially to improve local air quality and public health.	Authorization of the SDREN advances this goal given that the goals of the SDREN drive for equitable decarbonization. Many of the decarbonization strategies of transitioning from methane gas to electrification within programs will lead to improved air quality and health benefits for ESJ community members. All SDREN programs will engage with ESJ communities and SDREN will pursue opportunities to better understand and analyze impacts of programs on ESJ communities. SDREN will work across all eligible funding sources and support IDSM efforts to maximize impacts to these communities.

Goal 3: Strive to improve access to high-quality water, communications, and transportation services for ESJ communities.	SDREN will collaborate with regional partners to support improved access to additional high quality services, such as clean transportation.
Goal 4: Increase climate resiliency in ESJ communities.	Climate resiliency is a key design consideration around programs that are focused on ESJ communities. Customized IDSM services will be integrated to support resilient ESJ communities.
Goal 5: Enhance outreach and public participation opportunities for ESJ communities to meaningfully participate in the CPUC's decision-making process and benefit from CPUC programs.	The SDREN Advisory Committee will include CBO representatives and will consider ESJ representation in membership. Members will be given opportunities to participate and learn about the CPUC regulatory process. The SDREN public sector Tribal Engagement program is intended to build pathways to involve these communities in the planning process to develop program strategies.
Goal 6: Enhance enforcement to ensure safety and consumer protection for all, especially for ESJ communities.	Trusted local partners will be used for engagement and program outreach. SDREN will manage all program implementation contracts with protections built in to protect against fraud and unfair business practices. SDREN's C&S program will support enhancing the enforcement of codes to ensure safety and consumer protection for ESJ communities.
Goal 7: Promote high road career paths and economic opportunity for residents of ESJ communities.	SDREN's WE&T programs are focused on promoting high road clean energy career paths in close partnership with other agencies. These programs will engage and support ESJ communities.
Goal 8: Improve training and staff development related to environmental and social justice issues within the CPUC's jurisdiction.	All SDREN staff will be trained on ESJ issues and will work to support continued training on ESJ-aligned plans.

Goal 9: Monitor the CPUC's environmental and social justice efforts to evaluate how they are achieving their objectives.	SDREN will continue to monitor progress of CPUC ESJ efforts and will actively engage in the feedback loop, including supporting methodologies and metrics to track progress.

- **California Long-term Energy Efficiency Strategic Plan**
  - The SDREN portfolio contains multiple strategies that are tied to the California Long-term Energy Efficiency Strategic Plan goals:
    - Local governments (LGs) lead by example in their facilities.
    - LGs lead their communities with innovative EE programs.
    - LGs lead adoption of advanced EE standards and reach codes.
    - LGs lead energy code compliance and enforcement.
- **AB 758, Existing Buildings Energy Efficiency Action Plan**
  - The SDREN portfolio contains multiple strategies that are tied to the Existing Buildings Energy Efficiency Action Plan:
    - Lays out a ten-year roadmap to mobilize market forces and transform California's existing building stock into high performing and energy-efficient buildings.
    - Establishes requirements for providing energy assessments, benchmarking, energy ratings, cost effective energy improvements, financing options, public outreach and education and workforce training.
- **AB 802, Building Energy Benchmarking Program**
  - The SDREN portfolio contains multiple strategies that are tied to the Building Energy Benchmarking Program:
    - Mandates use of metered data for measurement of impacts from EE program interventions.
    - Program Administrators can receive credit for energy savings and provide incentives and support for EE projects that help customers meet current energy code requirements, in contrast to previous rules where Program Administrators could only count energy savings for projects where the improvements exceeded code requirements.
    - SDREN has incorporated a commercial program that uses a meter-based approach to measuring savings.
    - Provides a relevant framework to implement building benchmarking and labeling ordinances that accurately reflect what building operators and tenants see on their energy bills.
    - SDREN's commercial programs will improve compliance with AB 802, the Building Energy Benchmarking Program, by helping businesses understand their energy consumption and comply with reporting requirements using Energy Star Portfolio Manager.®
- **SB 350, Clean Energy and Pollution Reduction Act**

    - The SDREN portfolio contains multiple strategies that are tied to the Clean Energy and Pollution Reduction Act:
        - Mandates 50% renewable energy content in the state's overall electricity mix and a doubling of energy efficiency goals for existing buildings by 2030.
        - SDREN's commercial programs will help deliver deep and persistent energy savings for underserved and/or HTR small/medium businesses (SMBs) and commercial property owners.
        - Address barriers for low-income customers to EE and weatherization, especially in disadvantaged communities.
        - Require local governments to participate in efficiency program implementation.
- **SB 375, Sustainable Communities and Climate Protection Act**
    - The SDREN portfolio contains multiple strategies that are tied to the Sustainable Communities and Climate Protection Act:
        - Requires local governments to implement long-term integrated planning of land use and transportation.
        - Drives critical public agency initiatives to reduce per capita GHG emissions in the San Diego County region.
- **SB 32, California Global Warming Solutions Act**
    - The SDREN portfolio ties to the Sustainable Communities and Climate Protection Act through requiring the state to cut GHG emissions to 40 percent below 1990 levels by 2030.
- **SB 100, The 100 Percent Clean Energy Act of 2018**
    - The SDREN portfolio contains multiple strategies that are tied to the 100 Percent Clean Energy Act:
        - Sets a 2045 goal of powering all retail electricity sold in California and state agency electricity needs with renewable and zero-carbon resources—those such as solar and wind energy that do not emit climate-altering GHGs.
        - Requires the Energy Commission, Public Utilities Commission and Air Resources Board to use programs under existing laws to achieve 100 percent clean electricity.
        - Updates the state's Renewables Portfolio Standard to ensure that by 2030, at least 60 percent of California's electricity is renewable.
- **Governor's Emergency Proclamation (July 30, 2021)**
    - The SDREN portfolio contains multiple strategies that are tied to the Governor's Emergency Proclamation:
        - Ensure that California has a safe and reliable electricity supply to reduce strain on the energy infrastructure, and to ensure increased clean energy capacity by adding new energy efficiency programs or measures that target peak and net peak hours and integrating demand response or conservation actions with EE program actions or investments.

        - CPUC to exercise its powers to expedite Commission actions, to the maximum extent necessary, to meet the purposes and directives of this proclamation, including by expanding and expediting approval of demand response programs and storage and clean energy projects.
- **SB 48 Building Energy Savings Act**
    - The SDREN portfolio contains multiple strategies that are tied to the newly enacted Senate Bill 48:
        - While this bill has not yet entered the rulemaking phase, it is anticipated that during the first and second EE portfolio cycles, opportunities will exist to engage with the CEC in the alignment of statewide and local equitable building performance standards.
        - Equitable building performance standards offer opportunities to combine cross cutting strategies to engage communities, accelerate regional decarbonization, and pilot new support programs that focus on IDSM strategies to improve the way buildings, people, and the grid operate.
- **CARB Scoping Plan**
    - The SDREN portfolio contains multiple strategies that are tied to the 2022 Scoping Plan for Achieving Carbon Neutrality:
        - The plan lays out a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels no later than 2045, as directed by Assembly Bill 1279.
        - The strategies within the Scoping Plan include dedicated guidance for local actions, sustainable and equitable communities, building decarbonization, and non-energy benefits such as public health.
        - As the CARB continues to update the plan and local air quality management districts consider new policy related to buildings and transportation, pilots and gap filling activities in the SDREN portfolio to promote viable electric alternatives, electrification, and community engagement will be leveraged to support CARB policy.
- **Flexible Demand Appliance Standards**
    - The SDREN portfolio contains IDSM strategies that are tied to the State's Flexible Demand Appliance Standards:
        - Senate Bill 49 authorizes the California Energy Commission to adopt standards for appliances to facilitate the deployment of flexible demand technologies. The standards shall reduce GHG emissions by scheduling, shifting or curtailing appliance operations with consumer consent. The standards shall be feasible and cost-effective.
        - Title 20 and 24 are evolving to include controllable grid-enabled appliances, which aligns with SDREN efforts to target customers and measures that advance decarbonization.
        - The CPUC and CEC are actively engaged in developing data standards and infrastructure to enable dynamic price signals and tariffs, which will require localized efforts to address technology and behavioral energy adoption in disadvantaged communities via SDREN programs.

- These standards are reflected in CPUC rulemakings, including demand response requirements in the SGIP proceeding, the Distributed Energy Resource Program Cost-Effectiveness Issues, Data Access and Use, and Equipment Performance Standards proceeding, as well as the High DER proceeding.
- The latest EPIC 2021-2025 IOU program authorization includes strategies to "Increase the Value Proposition of DERs to Customers on the Grid." This decision offers opportunities for collaboration to further align ESJ Action Plan goals though SDREN programs supporting DACs and communities to participate in complementary demand flexibility interventions.

Annual Portfolio Budgets

SDREN's annual projected portfolio budget summary table adding up to the 8-year authorized budget cap including Savings, Cost Effectiveness & TSB forecasts is below and additional details can be found in *SDREN 2024-2031 Energy Efficiency Application Excel Sheets*.

Table 11. SDREN Annual Projected Portfolio Budget Summary

Year	Requested Budget	TSB	TRC	PAC	Net Annual kWh	Net Annual kW	Net Annual Therms
2024	$15,852,720	0	0	0	0	0	0
2025	$32,755,736	$4,865,784	0.18	0.18	3,864,663	203	200,788
2026	$36,031,310	$6,168,332	0.21	0.20	4,990,604	228	235,749
2027	$39,634,441	$7,160,300	0.22	0.21	5,391,513	254	274,631
2028	$41,219,818	$7,370,804	0.22	0.21	5,300,382	249	269,989
2029	$42,868,611	$7,479,904	0.22	0.21	5,212,917	245	265,534
2030	$44,583,355	$7,620,565	0.21	0.20	5,128,857	241	261,252
2031	$46,366,690	$7,852,869	0.21	0.20	5,047,966	237	257,131
Total	$299,312,680	$48,518,558	0.20	0.19	34,936,902	1,657	1,765,074

Recommendations for New or Modified EE Policy

Decision 19-12-021, approved on December 5, 2019, adopts three revised criteria which will be considered by the Commission in approving new or renewed REN Business Plans. The third REN criterion that was designated is: "Activities serving hard-to-reach markets, whether or not there

is another utility or CCA program that may overlap." In its discussion, the Decision notes that *"With respect to the third criterion, numerous commenters suggested broadening it beyond "hard-to-reach" which is now specifically defined in D.18-05-041, and to include a new category called "underserved."*[47] The Decision further states that *"While we appreciate the motivation behind this suggestion, which is to serve more customers, no party provided a suggested definition of "underserved" that we can readily adopt here. Without a specific definition, we fear we would be opening up the REN portfolios too broadly and creating more potential for overlap in customer segments that are being served, but meet a particular proponents' unique definition of underserved. As such, we will not adopt a broadening of the third criterion here."*[48] The Decision then concludes that "*If a consensus among parties is reached in the future about an appropriate definition of "underserved," we would consider broadening this criterion in the future."*[49]

In the Decision authorizing the 2024-2031 Energy Efficiency Portfolios and Business Plans, D.23-06-055 approved on June 9, 2023 (Sec. 7.2, pages 45-48), a very detailed and comprehensive definition for underserved customers was adopted by the Commission. As a logical next step to ensure the full incorporation of this newly adopted underserved customer definition into soon to be launched EE program portfolios, it is respectfully recommended that the Commission revise REN criterion number three as follows: "Activities serving hard-to-reach markets and **underserved customers**, whether or not there is another utility or CCA program that may overlap."

[47] D.19-12-021, pg. 31.
[48] Ibid.
[49] Ibid.

Energy Efficiency Portfolio Application

of the

San Diego Regional Energy Network

Exhibit 2

2024-2027 Portfolio Plan

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Portfolio Summary

The projected impacts of climate change on the San Diego region are profound, driving the need for urgent collective action to decarbonize. The San Diego Regional Energy Network (SDREN) represents an important step to support communities, particularly those who are underserved and hard-to-reach (HTR), to achieve a carbon-free building sector in the San Diego region by 2050.

Figure 1. SDREN's Vision

The San Diego Regional Energy Network (SDREN) Vision

SDREN's vision is to be a driving force for communities to adopt clean, reliable energy through community-driven solutions that contribute to local and state energy efficiency and climate goals.

SDREN aspires to be a regional leader supporting San Diego County, 18 incorporated cities, 47 school districts, and 18 federally recognized Tribal communities. Approval of the SDREN will complete the RENs' statewide coverage, bolstering the California Public Utilities Commission's (CPUC) intention for RENs to fill gaps and complement investor-owned utility (IOU) services. SDREN is focused on helping communities invest in and accelerate decarbonization to hasten the transformation to clean energy. SDREN is committed to delivering programs that make inroads into communities to reduce greenhouse gas (GHG) emissions, achieve equity, drive market transformation, and provide value to ratepayers.

Core Values

SDREN is guided by its core values.

Figure 2. SDREN's Core Values

Guiding Principles

SDREN's portfolio of services is informed by its core values and framed by the following principles:

- **Advance Environmental Equity.** Through its proposed portfolio of services, SDREN is committed to representing underserved communities and advancing environmental equity.
- **Catalyze Collaboration.** SDREN will collaborate with stakeholders to develop and strengthen regional partnerships to accelerate decarbonization and maximize community benefits.
- **Support Community-Driven Change.** SDREN's approach to program design and delivery will engage communities at early stages of planning to ensure the services that are developed reflect local needs and priorities.

Goals

SDREN has the following goals for its overall portfolio:

- **Advance decarbonization**. Beyond reducing energy use and GHG emissions, decarbonization ushers in a host of benefits making communities and economies more resilient. Decarbonization lowers energy costs, increases access to clean energy, ensures safer and healthier homes and communities, reduces environmental burdens, and expands economic opportunity and high-quality jobs.
- **Provide comprehensive energy efficiency (EE) services that improve outcomes for underserved and HTR communities.**[1] SDREN's portfolio of services will be centered around minimizing barriers to participation for underserved and HTR communities.
- **Accelerate the clean energy economy through workforce opportunities.** As a regional leader, SDREN will mobilize and leverage resources to support the local workforce and support the creation of energy-related jobs and skills that benefit local communities. SDREN's goal is to support a high road[2] approach to grow the regional clean energy economy and create new opportunities for the local workforce, with a focus on underserved communities.

In line with the San Diego Regional Decarbonization Framework - Technical Report[3] and informed by the CPUC Environmental and Social Justice (ESJ) Action Plan, the long-term goal for the SDREN is to **ensure an equitable transition to a carbon-free building sector in the San Diego region by 2050.**

[1] As defined in D.23-06-055.

[2] An approach that integrates intentional policies and investments that center employee benefits and needs.

[3] McCord, Gordon C., Elise Hanson, Murtaza H. Baxamusa, Emily Leslie, Joseph Bettles, Ryan A. Jones, Katy Cole, Chelsea Richer, Eleanor Hunts, Philip Eash-Gates, Jason Frost, Shelley Kwok, Jackie Litynski, Kenji Takahashi, Asa Hopkins, Robert Pollin, Jeannette Wicks-Lim, Shouvik Chakraborty, Gregor Semieniuk, David G. Victor, Emily Carlton, Scott Anders, Nilmini Silva Send, Joe Kaatz, Yichao Gu, Marc Steele, Elena Crete, and Julie Topf. San Diego Regional Decarbonization Framework: Technical Report. County of San Diego, California. 2022.

SDREN will prioritize equity so that building decarbonization includes underserved and HTR communities and relieves the burden of increasing gas rates. SDREN has the opportunity to meet the need for incorporating social equity considerations into building decarbonization policies. SDREN is focused on working with these communities and providing programs and resources that meet their needs.

The short and mid-term goals will support progress in reaching the region's long-term goal of full decarbonization, as follows:

- Short-term goal by 2027: by the end of the four-year SDREN Portfolio Plan period
    - Normalize replacing end-of-life methane gas space and water heating systems with highly efficient electric versions with load flexibility for HTR and underserved customers.
    - Support "electrification ready" or "all-electric" standards for new construction and major renovations through building energy codes.
    - Support and utilize workforce assessments and set foundations for prioritization of workforce development for electrification.
- Mid-term goal by 2031: by the end of the eight-year period of the SDREN Strategic Business Plan
    - Full or whole building electrification/decarbonization programs are successfully reaching equity communities.
    - Workforce supply for jobs supporting decarbonization of energy demand meets regional demand.

As emphasis on electrification grows at the state and federal level, SDREN will focus on regional coordination, tools, and capacity building alongside targeted investments for appliance replacements that address equity concerns.

Figure 3. Regional Decarbonization Framework on Replacing Appliances

Replacing appliances is expensive so building decarbonization policies should account for incentivizing electrification equitably, especially in communities of concern, low-income communities, rural areas, and for renters. Developing the capacity and tools to understand and address the equity implications of building decarbonization policies in the San Diego region requires additional work.

(Regional Decarbonization Framework, Summary for Policy Makers, Page 25)

Key Metrics and Outcomes

Portfolio Outcomes

SDREN's portfolio complies with CPUC requirements and rulings and addresses the CPUC's goals for RENs to deliver local programs and activities that fill gaps and complement IOU offerings with a focus on HTR markets.[4] By bringing together regional perspectives, deepening partnerships, and cultivating community-led strategies, SDREN will realize meaningful multi-benefit solutions and equitably transition to a carbon-free building sector in the San Diego region by 2050. If executed successfully, SDREN's mid-term goals of (1) full electrification/decarbonization programs successfully reaching equity communities[5] and (2) a balanced supply and demand for jobs supporting decarbonization will deliver the following outcomes by 2031:

- **Portfolio Outcome 1.** Reduce energy burden and improve energy affordability. As customers move from methane gas to electric appliances, they should not see increased costs.
- **Portfolio Outcome 2.** Improve health and reduce energy consumption across the region. When done effectively, building electrification leads to both health benefits and a reduction of energy use.
- **Portfolio Outcome 3.** Improve access and increase program participation by reducing program complexity, helping program participants understand how best to manage their own energy consumption. Education is at the foundation of an equitable transition and ease of access to all resources.
- **Portfolio Outcome 4.** Maximize benefits to customers by leveraging additional funding, such as Inflation Reduction Act (IRA) funds, to deliver integrated demand side management (IDSM) strategies. Coordination of these resources will maximize benefits to the customer.
- **Portfolio Outcome 5.** Create access to career pathways in clean energy, supporting a trained clean energy regional workforce with high-quality jobs.

SDREN's portfolio application includes ten programs, organized by segment and sectors, as follows:

- **Segments:** Resource Acquisition, Market Support, Equity, and Codes & Standards.
- **Sectors:** Commercial, Cross-cutting (Workforce, Education & Training and Codes & Standards[6]), Public, Residential.

SDREN will measure progress toward achieving goals and delivering outcomes for each program, segment and sector through progress trackers that include various targets, indicators and metrics, which will be reported on either quarterly or annually. In addition to tracking progress at the program, segment and sector-level, SDREN will also track and report on progress at the portfolio level.

[4] D.12-11-015, and reasserted in D.19-21-021.
[5] As defined in D.23-06-055.
[6] Codes & Standards is categorized as both a distinct segment and a cross-cutting sub-sector.

All indicators and metrics are detailed in the SDREN 2024-2031 EE Application Excel Sheets. They include indicators for equity and market support segments from D.23-06-055, the "common metrics and indicators" from D.18-05-041, and SDREN's unique value metrics (UVMs). The common metrics include both portfolio and sector-level metrics.

For the 2024-2027 portfolio period, SDREN has established an initial set of UVMs and identified additional key metrics/indicators at the portfolio, sector, and segment level that will measure progress towards eight-year business plan outcomes (see Table 1 below). Data methodologies and targets for tracking progress have been established for these UVMs and are outlined in the *SDREN 2024-2031 EE Application Excel Sheets*.

Figure 4. Indicator, Metric, Target, and Progress Tracker Definitions

Definitions

- **Indicators** are progress trackers that do not typically have targets associated with them.
- **Metrics** are progress trackers that do or are expected to have targets associated with them.
- **Targets** are forecasted achievements against which to track progress.
- **Progress Trackers** refer to indicators, metrics, and targets.

Table 1. Mapping of Portfolio Plan key indicators and metrics with Business Plan strategic outcomes

Type of progress tracker	Progress Tracker	Tie-in with Portfolio Plan Outcomes
Unique Value Metric	% of customers anticipated to experience lower energy costs as a result of program participation, by sector	**Outcome 1**: Reduce energy burden and improve energy affordability.

Equity Segment Indicator	Median of equity target participants' expected first-year bill savings in equity segment, by sector	
Portfolio Metric	Total system benefit (TSB) achieved	**Outcome 2:** Improve health and reduce energy consumption across the region.
Unique Value Indicator	EE savings channeled to non-SDREN programs	
Unique Value Metric	% of customers channeled to non-SDREN programs	**Outcome 3**: Improve access and increase program participation.
Unique Value Metric	External funding leveraged to support SDREN programs/communities as a % of total budget spend	**Outcome 4:** Maximize benefits to customers by leveraging additional funding.
Unique Value Indicator	Count of newly educated or credentialed individuals	**Outcome 5:** Create access to career pathways in clean energy.
Unique Value Metric	% of equity customers served compared to total customers served	Not directly tied to portfolio outcomes but demonstrates progress toward portfolio goals.

Ahead of authorization, SDREN will engage with the joint Portfolio Administrators (PAs)[7] as part of the joint Tier 2 Advice Letter (AL) to be filed by May 1, 2024.[8] This action is intended to address any modifications of the common metrics and indicators and to clarify and modify the adopted equity and market support indicators. This coordination will help to define the process for proposing and adopting long-term market support and equity goals, and will help to establish the metrics for success for the next portfolio period.

SDREN will conduct an evaluation, measurement, and verification (EM&V) study before filing the 2028-2031 Portfolio Plan to refine goals and UVMs. The study will support development of the appropriate methodologies, baselines and targets to align with SDREN's goals for the

[7] D.23-05-066 makes the shift from "program administrator" to "portfolio administrator" or abbreviated as "PA". Both terms may be found in this application.

[8] D.23-06-055 Ordering Paragraph (OP) 11: "The portfolio administrators shall jointly submit a Tier 2 Advice Letter by no later than May 1, 2024 clarifying all of the Indicators adopted in this decision, including any modifications from metrics and Indicators adopted in Decision 18-05-041, and identifying information that could be used as baselines for future targets or methodologies for how the indicator information can be used as baselines."

portfolio. The EM&V study will set the foundation for developing an effective 2028-2031 Portfolio Application that will deliver on SDREN's mid- and long-term goals. This study will be coordinated with other RENs' efforts to develop a total community benefit or alternative REN metric. Since a majority of the SDREN portfolio supports the market support and equity segments,[9] SDREN will also coordinate with the joint PAs' work to establish equity and market support metrics and goals.

Before filing for the 2028-2031 portfolio period, SDREN's goals will conform to the guidance of D.23-06-055, and will have all of the following characteristics:

- A medium to long term (i.e., 12-24 years) timeframe, divided by four-year increments.
- Goals established from known baselines.
- Be high-priority metric(s), a score or ratio, or single monetary value (or equivalent).
- Count total progress toward market support and equity goals from all programs in the portfolio, regardless of segmentation.
- Set targets and measures demonstrating incremental progress toward meeting goals.

Energy Efficiency Strategy

SDREN's proposed EE strategy builds off of the foundation established through long-standing regional collaborations. The strategy is informed by SDREN's desire to deliver decarbonization, comprehensive EE services, and workforce opportunities.

Our portfolio-level strategies incorporate several key approaches, as listed below.

1. The portfolio is designed to provide **flexibility in program delivery** so that services can adapt and change as new programs or resources become available and when programs close.
2. By integrating **effective coordination and collaboration** with partners and trusted organizations across program segments and sectors, SDREN can identify synergies, reduce costs and complexity, and deliver high-value programs that reflect local priorities and needs. With effective coordination and collaboration, SDREN will also mitigate customer confusion and maximize the success of all programs.
3. The SDREN portfolio reduces barriers to participation by offering **customized support** and connecting customers with available resources and programs.
4. SDREN will promote decarbonization through **electrification measures** and incentives to move away from technologies that burn methane gas.
5. SDREN will monitor the market and coordinate with other programs to **leverage** complementary offerings and **stack** supplemental program services and external funding opportunities.

[9] From D.23-06-055 "because the majority of the REN portfolios is dedicated to equity and market support offerings, new goals covering these primary purposes should be important accountability mechanisms for RENs...It is our intention that a goals development process for the market support and equity segments will follow a timeline that aligns goals adoption to the next portfolio cycle beginning in 2028. ...Market support and equity goals are ultimately expected to be long-term, broken into four-year increments, and will begin in 2028. This approach is also intended to allow the RENs to continue to work on their proposed Total Community Benefit metric, included in rebuttal testimony, if they so choose."

6. SREN will take a holistic approach, **integrating IDSM** offerings to deliver value to participants throughout the portfolio (described in more detail under IDSM Strategies).

Principles of **environmental and social justice** connect throughout each of these strategies. SDREN will consider and incorporate environmental justice across all programs, regardless of segmentation.

Savings Forecasting and Quantification Methods

SDREN's savings forecast methods vary by program type. SDREN's savings projections were developed using only approved savings assumptions and/or methodologies, as described below.

SDREN is proposing a **single resource acquisition program** that will comply with D.23-06-055 by using a **meter-based method** for savings measurement. SDREN developed high-level savings forecasts taking into account program ramp-up and available incentive budgets, including incentive rate estimates in line with other similar programs. Savings claimed will be based on **actual savings realized** and will apply a population-level normalized metered energy consumption (NMEC) approach in alignment with the most current version of the CPUC's NMEC Rulebook.

All **equity and market support** programs utilize **deemed measures** that are currently approved in the California Electronic Technical Reference Manual (eTRM) database and follow the Statewide Deemed Workpaper Rulebook. SDREN will explore the benefits of establishing a deemed measure working group modeled after SoCalREN's efforts. This group would monitor the effectiveness of measures most relevant to its target customers and portfolio goals, recommend new measure additions, and make recommendations for phasing out deemed measures.

SDREN will not use the current custom process and meter-based approaches to savings measurement because they will not be cost-effective with the target customers in equity and market support segment programs.

While SDREN recognizes the benefits of meter-based savings approaches, there are currently limitations to its effectiveness for certain customers. SDREN will engage in statewide working groups to overcome barriers and explore cost-effective solutions for smaller customers. SDREN's third party implementers will be encouraged to explore opportunities to incorporate meter-based savings approaches into the programs. SDREN will also use the joint cooperation memo (JCM) process to identify the best strategies to support San Diego Gas and Electric (SDG&E) third party program providers with the delivery of meter-based savings projects, as appropriate.

Strategies for Market Intervention and Energy Efficiency Adoption

SDREN will incorporate the following strategies for market intervention and EE adoption.

Table 2. Strategies for market intervention and EE adoption by target audience

Target Audience	Strategy
Non-English speaking resident or business owner	• **In-person equitable and inclusive education and outreach** (i.e. in-language materials with cultural understanding, and taking into consideration customers with impaired hearing or vision) conducted by trusted local representatives when possible.
Homeowner, business owner, public agency	• **Offer comprehensive concierge services and speak to holistic benefits** to simplify adoption by customer and present a single point of entry to access programs, including SDG&E offerings. • **Provide customized technical assistance paired with advisory services** to identify and install comprehensive EE and IDSM opportunities at homes/facilities. • **Offer funding, financing assistance, and guidance** to customers on how to qualify, utilize, and stack funding sources such as IRA, on-bill financing (OBF), TECH, and self-generation incentive program (SGIP). • **Provide direct installation of no- to low-cost EE measures**. • **Deliver outreach, education, and training** to improve access, increase participation, and increase awareness and knowledge of how to manage and reduce energy consumption. • **Partner with community-based organizations (CBOs)** to deliver messaging and services through local, trusted community members.
Tribes	• **Offer direct funding to Tribal nations** to propose, design, and deliver tailored programming and initiatives to meet their unique community needs to increase access to EE programs, reduce energy burdens, and decarbonize assets. • Provide ongoing **access to a technical advisor** with EE expertise to support successful implementation of programming and initiatives. • Also, refer to **all strategies noted above for other public agencies.**

Disadvantaged workers[10]	● **Build and leverage external partnerships** to enhance DAC worker outcomes such as: ○ Employers to provide training to staff and boost opportunities for growth. ○ Local community college partnerships to provide college-level courses and skill development opportunities. ● **Provide education** through the provision of training, certifications, networking, and apprenticeship opportunities to build skills to enter the green workforce. ● **Offer wraparound services** such as career coaching to match participants with employers to secure clean energy jobs.
Employers connected to EE deployment	● **Support and work alongside employers** to understand and overcome barriers to offer targeted EE training for staff. ● **Deploy a targeted survey** to local employers to determine emerging clean energy industry careers and required skills and qualifications for incoming professionals to be successful. ● **Stack opportunities** available to employers by connecting them to other workforce development programs.
Code enforcement officials and stakeholders	● **Leverage data-driven insights** to develop **tools, technical resources, and templates** for permitting electrification and other energy efficiency measures. ● **Educate officials and authorities** having jurisdiction (AHJ) about permitting and codes. ● **Provide person-to-person support** through an Energy Code Coach who can provide comprehensive compliance and enforcement strategy support.

New Strategies for Spurring Innovation

With a focus on SDREN's environmental equity, collaboration, and community-driven principles, SDREN will incorporate the strategies outlined in the table below to spur innovation throughout the portfolio.

[10] Disadvantaged worker definition from D.19-08-006, Attachment B, p.6: "Disadvantaged Worker" means a worker that meets at least one of the following criteria: lives in a household where total income is below 50 percent of Area Median Income; is a recipient of public assistance; lacks a high school diploma or GED; has previous history of incarceration lasting one year or more following a conviction under the criminal justice system; is a custodial single parent; is chronically unemployed; has been aged out or emancipated from the foster care system; has limited English proficiency; or lives in a high unemployment ZIP code that is in the top 25 percent of only the unemployment indicator of the CalEnviroScreen Tool.

Table 3. Strategies for Innovations Based on SDREN Principles

SDREN Principle	SDREN Strategies for Innovation
Environmental Equity	● Focus on methods that maximize non-energy benefits for equity customers such as: ○ Engage multiple markets to identify the best strategies to reach equity customers including collaborations with community-based organizations that may overlap with but not be directly tied to energy (e.g. health work, local and sustainable food systems). ○ Build environmental and social justice priorities and opportunities to incorporate innovations into all program solicitations. Examples could include strategies for culturally sensitive outreach, customer protections, and emphasis on non-energy benefits that benefit underrepresented communities. ● Compensation for CBOs that engage and support SDREN. SDREN would also provide any needed energy education and training to these groups in order to build staff capacity and more effectively contribute to SDREN goals.
Collaboration	● Prioritize collaboration, coordination and flexibility in program design in order to fill gaps and develop future innovations through the following strategies: ○ Work with local energy program administrators and implementers to optimize coordinated service delivery and ensure resources are used efficiently. ○ Work with SDREN Advisory Committee members and other regional partners, such as CBOs and local governments, to design approaches that reflect local needs and priorities, and maximize advantages for local communities. ● Leverage and marshal financial resources, provide access to financing, integrate and stack funding sources. ○ This includes state and federal funding opportunities, such as IRA and the CEC Equitable Building Decarbonization DI Program[11], as well as regional offerings, such as SDG&E programs, where feasible.
Community-Driven	● Engage communities at early stages of planning to ensure the

[11] https://www.energy.ca.gov/programs-and-topics/programs/equitable-building-decarbonization-program

	services that are developed and delivered not only reflect local needs and priorities, but invest in community-based program delivery. ● Identify success measures reflective of desired community outcomes, informed by the San Diego Community Power (SDCP) Community Power Plan and the County of San Diego's Regional Decarbonization Framework. ● SDREN Advisory Committee to include CBOs with the role to advise on outreach and enrollment, provide feedback on program evaluation reports, and recommend program improvements. ● Ongoing engagement will focus on collecting feedback to inform 2028-2031 Portfolio Plan. ○ This will also be informed by the community-based pilot led by SoCalREN.[12] ● Tribal program designed to ensure community-driven and culturally-centered design and service delivery.

Strategy for Incorporating Low Global Warming Potential (GWP) Refrigerants

Hydrofluorocarbon refrigerants (HFCs) are "super" GHGs that are being phased out due to their negative environmental impact. However, the San Diego region needs significant support to transition safely to low-GWP refrigerants. Low-GWP refrigerants will be incorporated into the portfolio using the strategies outlined in the table below.

Table 4. Strategies for Incorporating Low-GWP Refrigerants

Portfolio Sector/Program	SDREN Supporting Strategy
Residential, Commercial and Public	● Offer education about low-GWP refrigerants with customers receiving relevant measures or recommendations within technical assistance offered. ● Requirements for installers to use low-GWP refrigerants in newly installed equipment. ● Support proper reclamation of HFC refrigerants in addition to providing measures with low-GWP refrigerants.
Codes & Standards	Provide information to all local permitting agencies and other market actors about the HFC phase-out and low-GWP refrigerants along with code requirements.

[12] D.23-06-055, OP 30.

Workforce, Education & Training	Incorporate training to participants on proper installation and management of low-GWP refrigerants and proper reclamation of HFC-based refrigerants, along with education about the phase-out and benefits of low-GWP.

SDREN will cooperate with the Market Transformation administrator should new HVAC and refrigeration initiatives be introduced to handle low-GWP changes and regulations.[13] SDREN will closely monitor programs with low-GWP strategies, such as TECH and the BayREN Refrigerant Replacement Program, to drive the market toward low-GWP refrigerants and identify best practices to integrate into program designs before launching programs.

Integrated Demand Side Management (IDSM) Strategies

CPUC ruling D.23-06-055 authorizes PAs to propose IDSM programs by submitting a Tier 3 Advice Letter (AL) no later than March 15, 2024 for programs to be launched during the 2024-2027 portfolio period.[14] Guidance for what is to be included in the AL was issued by the Energy Division (ED) on December 28, 2023.

Given that SDREN is not anticipated to be authorized as a PA before March 15, 2024, SDREN's proposed framework and structure for their IDSM strategy is outlined below. SDREN will file a Tier 3 Advice Letter following the guidance issued by the Energy Division within 6 months of SDREN's authorization.

SDREN anticipates allocating the full cap of $4 million towards IDSM activities[15] because integrating IDSM activities and services alongside EE is a cost-effective use of resources to drive deep decarbonization across the region. In line with SDREN's decarbonization goal and the portfolio strategy of customized support, **SDREN will comprehensively consider IDSM opportunities across all programs** to be integrated throughout the portfolio.

SDREN's proposed potential IDSM strategies across the portfolio include:

- **Regional IDSM Working Group**
    a. Convene regional Load Serving Entities (Clean Energy Alliance, SDCP, and SDG&E) to discuss IDSM programs, including building electrification, transportation electrification, demand response, distributed generation, and storage, in order to optimize SDREN program design and delivery.
    b. Discuss regional grid needs (e.g., hosting capacity, distribution congestion) to inform program design, electrification priorities, and operational strategies.

[13] D.21-05-031 at 60.
[14] The CPUC will allow IDSM programs to be proposed through the submission of Tier 3 Advice Letters no later than March 15, 2024, for programs to be launched during the portfolio period (2024-2027).
[15] Per CPUC ruling A.22-02.005, a PA may, but is not required to, expand up to 2.5 percent, or $4 million, whichever is greater, of its energy efficiency budget for the portfolio period, up to a maximum of $15 million, on a pilot basis for ongoing load shifting that reduces peak consumption.

    c. As appropriate, update SDREN IDSM activities to incorporate feedback from the Regional IDSM Working Group.

- **Equipment Specification**
    a. Document IDSM program eligibility requirements, including equipment features and functionality, original equipment manufacturers (OEM) eligibility, Distributed Energy Resource Management System (DERMS) integration, and compatibility with relevant codes, industry standards, and workforce needs.
    b. Work with SDREN implementers to align, to the extent possible, program Qualified Product Lists (QPLs) with regional IDSM program requirements.
- **Identification, Installation and Commissioning**
    a. Identify IDSM opportunities based on customer preferences.
    b. Incorporate enrollment (e.g., device enrollment) support and process (e.g., terms and conditions acceptance) into SDREN programs, including marketplace offers, contractor partnerships, and Energy Division (ED) guidance on incentive stacking and IRA reporting.
    c. Integrate device commissioning requirements for IDSM programs (e.g., digital connectivity commissioning, DERMS integration) into contractor-driven SDREN program delivery.
    d. Ensure customer preferences, awareness, and education activities are integrated throughout the program delivery lifecycle.
- **Codes and Standards**
    a. Provide education and technical support to code officials on implementation of new requirements related to flexible load technologies (e.g., Title 24 compliance credits for storage and heat pump water heaters (HPWHs), flexible demand appliance standards).
- **Workforce Education and Training**
    a. Incorporate flexible load program requirements, incentives, commissioning processes and other IDSM program material into energy efficiency training modules for participating contractors.
    b. Educate and collaborate with participating contractors on inclusive outreach, customer acquisition, and sustained customer satisfaction with technology and behavioral interventions contributing to IDSM program goals.
- **Education and Customer Support**
    c. Assist customers in applying for additional IDSM funding and incentives.
    d. Incorporate information on the opportunities and benefits of IDSM program participation into customer education and outreach materials and workshops.

Customers will be channeled into appropriate programs and decarbonization strategies that will result in event-based or permanent load shifting or load reduction. As part of its development of IDSM strategies, SDREN will closely coordinate with other IDSM programs and administrators.

Application Summary Tables Covering the 4-year Budget Request

SDREN's annual budget request for 2024-2027 is outlined in the table below. The 2024 budget request is lower than subsequent years to account for a partial year and ramp up activities, in anticipation of the application not being authorized until mid-2024. For example, contracting and coordination with SDG&E, program solicitations, development of Implementation Plans, SDREN branding/website, and regulatory activities are anticipated to begin in mid-2024.

Table 5. Annual Budget Request Breakdown by Budget Category

Budget Category	2024	2025	2026	2027	Total
Administration	$1,524,300	$3,149,590	$3,464,549	$3,811,004	$11,949,443
Marketing and Outreach	$914,580	$1,889,754	$2,078,729	$2,286,602	$7,169,666
Direct Implementation - Non-incentive	$12,804,120	$15,687,391	$17,256,130	$18,981,743	$59,517,456
Direct Implementation - Incentive	$0	$10,769,165	$11,846,082	$13,030,690	$40,857,865
EM&V	$609,720	$1,259,836	$1,385,820	$1,524,402	$4,779,777
Total	**$15,852,720**	**$32,755,736**	**$36,031,310**	**$39,634,441**	**$124,274,206**

Distribution of Budget Among Sectors and Segments

Table 6. Distribution of 2024-2027 budget by sector and segment[16] (does not include EM&V)

Sector	Resource Acquisition	Market Support	Equity	C&S	Total
Commercial	$16,479,316	-	$18,310,722	-	$34,790,038
Cross-Cutting C&S	-	-	-	$7,323,955	$7,323,955
Cross-Cutting WE&T	-	$19,225,425	-	-	$19,225,425
Public	-	$21,418,605	$1,831,406	-	$23,250,011
Residential	-	-	$34,905,000	-	$34,905,000
Total	**$16,479,316**	**$40,644,030**	**$55,047,128**	**$7,323,955**	**$119,494,429**

[16] Portfolio support is allocated by program and sector based on segmentation for all budget tables in Exhibit 2.

Figure 5. Budget Breakdown by Segment

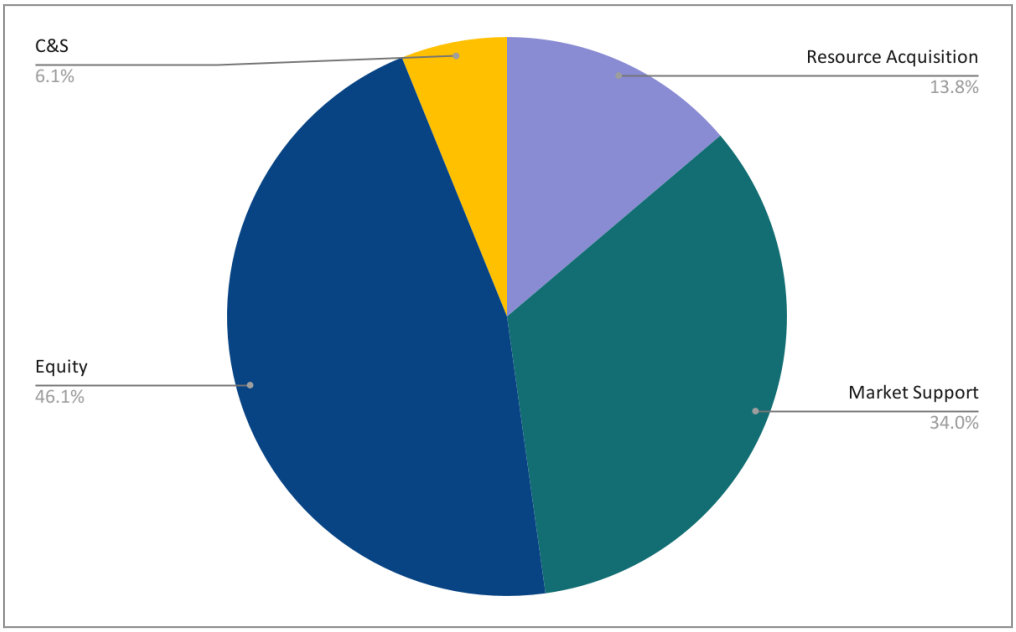
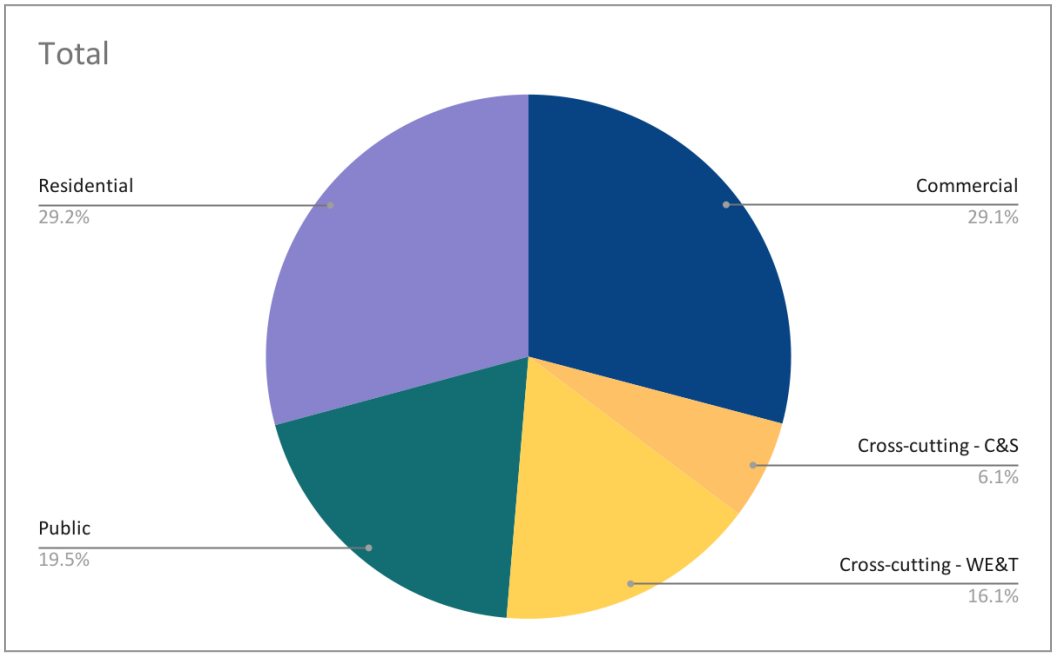


Figure 6. Budget Breakdown by Sector



Projected Sector-Level and Portfolio-Level Cost Effectiveness

Table 7. Forecasted cost-effectiveness for portfolio and by sector and segment

	TRC, No Admin	TRC, W/ Admin	PAC, No Admin	PAC, W/ Admin
Portfolio	0.51	0.17	0.48	0.17
Resource Acquisition	0.64	0.39	0.87	0.46
Market Support	0.16	0.03	0.16	0.03
Equity	0.08	0.03	0.06	0.03
Codes & Standards	0.00	0.00	0.00	0.00
Commercial	0.51	0.27	0.62	0.29
WE&T	0.00	0.00	0.00	0.00
Public	0.16	0.06	0.16	0.06
Residential	0.26	0.14	0.19	0.12

Resource Acquisition Segment

The below table details the forecasted cost-effectiveness for the Resource Acquisition segment. There is one Commercial Sector program segmented as Resource Acquisition in the portfolio. For this reason, only the Commercial Sector is listed below.

Table 8. Forecasted cost-effectiveness of resource acquisition segment at portfolio, sector, and program level

	TRC, no Admin	TRC, w/Admin	PAC no Admin	PAC w/Admin
Resource Acquisition Segment	0.64	0.39	0.87	0.41
Commercial Sector	0.51	0.27	0.62	0.29
SDREN Market Access Program	0.64	0.43	0.87	0.52

All Segments

SDREN is proposing one Resource Acquisition program, five Equity programs, three Market Support programs, and one Codes and Standards program. Several of these programs will contribute to SDREN's total system benefit (TSB) forecasts by offering measures and services not covered by other programs. Most, if not all, SDREN programs will drive participation in SDG&E programs through referrals. This will, in turn, contribute to the region's TSB goals.

The biannual Potential and Goals (P&G) Study that develops savings goals to inform EE program planning for PAs does not currently set goals for RENs. The CPUC Decision Adopting Energy Efficiency Goals for 2024-2032 established the TSB goal for 2024-2027 in SDG&E territory at $184,147,673, based on the 2023 P&G Study.[17] Based on their most recently filed true up Advice Letter (TUAL), SDG&E's total TSB forecast is $395,517,890 for program years 2024-2027, equating to 215% of their goal.[18]

SDREN recognizes the importance of delivering on the TSB goals set through the authorization of this portfolio. The table below outlines the forecasted four-year TSB, net first year kWh, kW, therms, and CO_2 emissions avoided at the portfolio level, by segment and by sector.

Table 9. Forecasted 2024-2027 cumulative TSB, net first year savings, and GHG emissions avoided

	TSB ($)	Net kWh	Net kW	Net Therms	Tons CO_2e
Portfolio	$18,194,415	14,246,780	684	711,169	8,561
Resource Acquisition	$7,428,942	12,615,801	0	0	4,278
Market Support	$6,826,309	364,996	313	456,726	2,533
Equity	$3,939,164	1,265,984	371	254,443	1,750
Codes & Standards	$0	0	0	0	0
Commercial	$9,021,653	15,493,358	371	(444)	5,215
WE&T	$0	0	0	0	0
Public	$6,826,308	364,996	313	456,726	2,533
Residential	$2,346,453	(1,611,573)	0	254,887	813

[17] D. 23-08-005, pg. 18
[18] SDG&E True Up Advice Letter 4302-E.

Forecast Methodology

Portfolio Administration vs. Program Implementation Costs

SDCP started its portfolio planning process by focusing on the REN directives and designing an energy efficiency program portfolio appropriate to meet the unique unmet needs within San Diego County. A reasonable budget range sufficient to service these unmet needs was then established for the portfolio, and the program-level budgets were then developed using a zero-based budget approach and following guidance from the CPUC and EE Policy Manual.

SDCP has tried its best to assess the EE program gaps and EE service needs within San Diego County, focusing particularly on HTR and underserved customer segments, to design and propose programs that will fill gaps and meet communities' needs. The proposed budgets are calibrated to allow a sufficient scale for program delivery to the targeted customer segments in the SDREN service territory and to confidently expect significant positive customer impacts. The requested budgets are commensurate with the program and portfolio budgets that have previously been approved by the CPUC for RENs in other IOU territories.

SDREN developed a budget conforming to CPUC guidance (referencing D.21-05-031 pp 32-33 for program administration versus program implementation) and the Energy Efficiency Policy Manual. The budget breakdown in the *SDREN 2024-2031 EE Application Excel Sheets* and *SDREN Attachment B Supplemental Budget Information Narrative* includes the following categories and costs:

- Administration: The budget forecast allocates 10% of each program budget to Portfolio Support based on program segmentation for activities not associated with program implementation. As a new REN, SDCP is allocating the full 10% cap, but anticipates developing administrative efficiencies to reduce administrative costs during operation. SDREN will meet regularly with other PAs, such as the other RENs, to understand best practices for decreasing the overall portfolio allocation to administration.
- Marketing, education, and outreach (ME&O): 6% ME&O has been allocated within each program to be apportioned for activities both at the program level and the portfolio level.
- Direct implementation - incentives: This has been allocated at the program level for any program that offers incentives for measures that deliver TSB. The allocation by program has been determined based on estimated incentive value disbursed through the program and energy savings targets achieved for measures installed or delivered.
- Direct implementation - non-incentives: This has been allocated at the program-level and is based on the services and resources the programs will deliver. It has been developed to align with the incentive program forecast when applicable.
- EM&V: 4% has been allocated at the portfolio level in accordance with D.21-05-031 and in alignment with the 2024-2031 EE Application Attachment Tables.

Segmentation Strategy

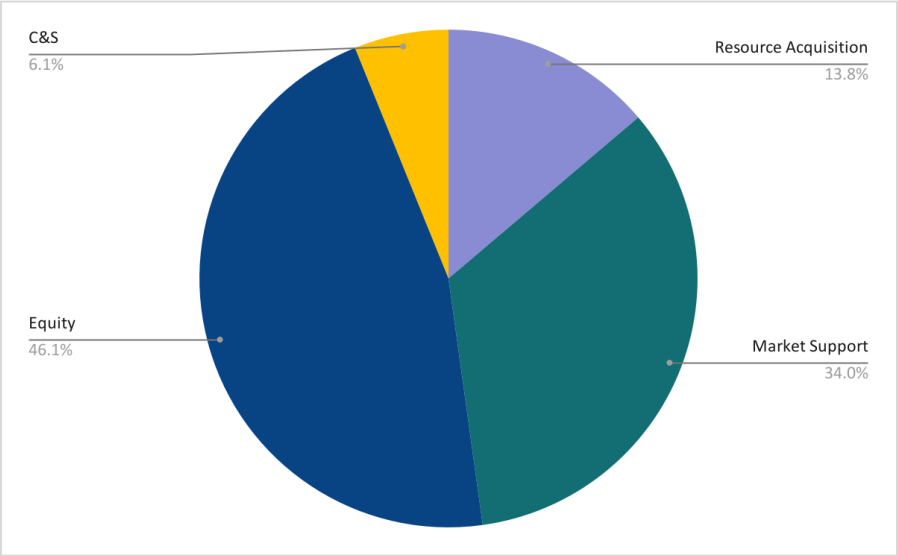
SDREN's overarching segmentation strategy is described below. Additional details on SDREN's segmentation justification at the program level can be found in *SDREN 2024-2031 EE Application Excel Sheets - 20 Segmentation Justification Attachment A*.

Strategies Driving Distribution of Budget Among Segments

SDREN's portfolio includes programs in all segments, with the majority of its budget allocated to the market support and equity segments. The strategies driving its segmentation approach and budget distribution are in alignment with broader portfolio objectives to complement existing and emerging offerings to accelerate equitable decarbonization throughout San Diego County. SDREN's segmentation strategy, as described below, is informed by its core values and guiding principles.

The budget allocation by segment is illustrated in the graphic below.

Figure 7. SDREN 2024-2027 Budget Allocation by Segment



Resource Acquisition: SDREN has allocated nearly 14% of its budget toward the resource acquisition segment. SDREN recognizes that SDG&E is investing heavily in this segment and is projected to significantly exceed TSB goals established from the P&G study.[19] Given SDG&E's investment in resource programs, SDREN is proposing only one resource acquisition program. It is targeted to HTR customers that are not anticipated to be served by SDG&E programs. This market access program (MAP) expands an existing SDCP program that has been launched in their territory. The SDREN proposed program will expand this existing program to the entire SDREN territory using lessons learned from SDCP's program.

[19] SDG&E True Up Advice Letter 4302-E.

Codes & Standards: Approximately 6% of SDREN's portfolio budget is allocated toward codes and standards activities for a program focused on decarbonization-related code enforcement, compliance, and adoption of reach codes. SDREN identified that C&S activities are a demonstrated strength of RENs. As such, SDREN's budget allocation is commensurate with spending by other RENs within this segment.

Market Support: 34% of SDREN's budget is allocated to the market support segment. SDREN is proposing three market support programs, primarily focused on workforce, education, and training. All programs are based on successful models to build local capacity and strengthen the energy market's long-term success.

Equity: The highest proportion of SDREN's budget, at just over 46%, is allocated to equity programs. SDG&E has a limited investment in the equity segment, with just 7%[20] of their portfolio directed to equity programs.[21] SDREN's portfolio includes five equity programs designed to fill this gap in funding for equity customers. These programs are key to meeting SDREN's long-term goal of equitable decarbonization of the San Diego region. They will help equity customers to leverage other resources and programs and maximize the benefits to their communities.

Resource Acquisition

Resource acquisition programs have the primary purpose of and short-term ability to deliver cost-effective avoided cost benefits to the electricity and natural gas systems.[22] For SDREN, this segment is forecasted to deliver the bulk of savings to achieve TSB goals.

Preliminary Resource Acquisition Budget for 2024-2027 and Rationale for Distribution

SDREN's resource acquisition segment budget is $16,479,316, representing 13.8% of SDREN's proposed 2024-2027 budget. There is one commercial sector program within the resource acquisition segment, which will focus on projects that reduce peak demand usage and deliver verifiable energy savings. This program will help SDREN advance decarbonization, reduce energy burdens, reduce energy consumption, and increase participation in and access to EE programs. The program will focus outreach efforts on small to medium HTR and underserved commercial customers that may be missed or passed over by other programs. It is intended to deliver a majority of the TSB savings for the portfolio.

Table 10. Resource Acquisition Four-Year Budget Breakdown by Sector

Sector	2024	2025	2026	2027	Total
Commercial	$2,102,000	$4,343,600	$4,777,960	$5,255,756	$16,479,316

[20] SDG&E True Up Advice Letter 4302-E.
[21] CPUC Budget Filing Metrics 2024-2027 https://public.tableau.com/app/profile/capublicutilities/viz/CPUC24-27BudgetFilingData/BudgetPlanDashboard.
[22] Decision 21-05-031, pg 14.

Resource Acquisition Goals, Strategies, and Outcomes

For the 2024-2027 portfolio period, SDREN will follow the goals, strategies, and outcomes in the table below for the resource acquisition sector. The strategies included will help the state achieve Environmental and Social Justice Action Plan (ESJAP) goals 2 and 4 by investing in clean energy resources and improving climate resilience, while benefiting ESJ businesses.

Table 11. Resource Acquisition Goals, Strategies and Outcomes

Goals	Strategies	Outcomes
• Accelerate implementation of EE measures. • Accelerate load modification program participation. • Provide short-term benefits to electricity and methane gas systems, as measured by TSB. • Achieve verifiable energy savings and peak demand reductions. • Increase HTR and underserved businesses' participation in EE programs.	• Scale an existing program that incentivizes long-life measures that also reduce peak demand. • Leverage incentives and commissioning process for load modification programs alongside EE measure purchase and installation. • Focus on commercial customers that are underserved by other regional market access programs. • Work with trusted local advisors to support access to programs.	• Establish emerging EE technologies such as heat pump water heaters with DR integration capabilities as the standard practice. • Normalize device commissioning and enrollment in load modification programs as a standard business practice by contractors. • Fully realize the potential of EE through comprehensive whole building retrofits that capture 'stranded' to-code energy savings at the meter. • Small and medium businesses that have previously not participated in EE experience multiple benefits through participation.

Projected Portfolio and Sector-level Metrics

The following resource acquisition metrics will also be reported at the portfolio and commercial sector levels. Additional metrics and/or indicators may be identified by the implementer once under contract or through Commission direction. SDREN will report on relevant common metrics and others that roll up into the unique value metrics.

Table 12. Resource Acquisition Metrics

Description	2024	2025	2026	2027	Total
Total system benefit (TSB; $)	$0	$1,979,434	$2,624,811	$2,824,697	$ 7,428,942
Net GHG reduction	0	1,143	1,553	1,581	4,278
Net kWh savings	0	3,333,474	4,444,630	4,837,697	12,615,801
Net kW savings	0	0	0	0	0
Net therms savings	0	0	0	0	0

Resource Acquisition Segment-Specific Coordination

SDG&E is growing the number of resource acquisition commercial sector programs it offers through several current and upcoming third party solicitations. SDREN will coordinate closely with SDG&E ahead of program launch to prevent any market confusion. To ensure commercial customers are served effectively, SDREN will train local trusted entities as customer engagement representatives to direct customers to programs that fit their needs. Customer engagement representatives will target and market programs to HTR and underserved commercial customers who would benefit from customized engagement approaches.

Codes & Standards

The codes and standards segment has the following primary purposes:

- Influencing standards and code-setting bodies (such as the CEC) to strengthen energy efficiency and load management regulations.
- Improving compliance with existing codes and standards.
- Helping local governments develop ordinances that exceed statewide minimum requirements.
- Coordinating with the other programs and entities to support the state's policy goals.[23]

Preliminary Codes & Standards Budget for 2024-2027 and Rationale for Distribution

The Codes & Standards segment budget is $7,323,955, representing 6.1% of the SDREN proposed four year budget. The segment mirrors the cross-cutting C&S sector, which includes just one program. SDREN's C&S segment is intended to complement existing efforts at the state

[23] D.23-06-055, pg.13-14.

and regional levels by improving compliance at the local level. The C&S landscape requires a localized approach due to the current gaps, barriers, and challenges permitting agencies face and the urgency needed to rapidly scale up compliance to meet ambitious decarbonization goals. SDREN's program will provide tailored support to help agencies navigate the intricate energy code compliance landscape effectively. Given agencies' needs and successes noted in other regions, the budget was developed to be commensurate with budget allocations for other REN C&S programs.

Table 13. C&S Four-Year Budget Breakdown

Sector	2024	2025	2026	2027	Total
C&S	$934,000	$1,930,500	$2,123,550	$2,335,905	$7,323,955

Codes & Standards Goals, Strategies, and Outcomes

For the 2024-2027 portfolio period, SDREN will follow the goals, strategies, and outcomes for the C&S sector outlined in the table below. The strategies below will support the state in meeting ESJAP goal 6: enhancing the enforcement of codes to ensure safety and consumer protection for ESJ communities. Reference the *C&S Sector Goals, Objectives, Strategies* section for a full description of goals, strategies, and outcomes.

Table 14. Codes & Standards Goals, Strategies and Outcomes

Goals	Strategies	Outcomes
• Empower permitting agencies and the C&S community to improve energy code compliance, reduce energy consumption, and reduce GHG emissions while supporting the state's EE and GHG goals. • Help public agencies compile and use data to enhance energy code compliance and facilitate adoption of advanced energy codes and policies. • Promote the adoption, implementation, and enforcement of	• Streamline permitting processes. • Provide comprehensive support for implementation of advanced energy codes. • Develop compliance and enforcement strategies and effective tracking mechanisms. • Create a suite of tools, technical resources, and templates, including an energy code coach. • Build participant staff capacity and their ability to use building stock, benchmarking and C&S data. • Create feedback loops from C&S activities that inform	• The C&S community achieves high-performance and resilient buildings. • Streamlined permit approvals that include energy resiliency and climate adaptation design elements. • Public agency energy resilience action plans, energy/GHG reduction targets, and other strategies are informed by digitized data collected from permitting. • Reduced energy costs, improved indoor air quality, and enhanced building functionality.

advanced energy codes, standards, and policies that improve building energy performance and accelerate decarbonization.	comprehensive strategies across SDREN offerings. ● Provide educational information to the C&S community about the phase out of HFCs and low-GWP refrigerant alternatives.	● State and federal technical expertise and funds are leveraged to develop and deploy new policies. ● Local building performance standards (BPS) and building benchmarking requirements that improve building efficiency, comfort, economics, and health become common practice.

Projected Annual Portfolio and Sector-Level Metrics

The following C&S metrics/indicators will be reported at the Portfolio and Cross-Cutting C&S Sector levels. Additional metrics/indicators may be identified by the implementer once under contract or through Commission direction.

Table 15. Codes & Standards Metrics

Metric or Indicator	Metric/Indicator Description	2024-2027
Metric	Number and percent of local government permitting agencies receiving C&S program services and assistance.	To be confirmed after SDREN awards contract to implementer.
Metric	Number and percent of local governments who adopt model energy codes and advanced energy policies/standards.	
Indicator	Magnitude of improved code compliance and closed permit outcomes by participating local governments.	
Indicator	Number and percent of local governments who implement improved permit data collection, tracking, and analysis to enhance energy code compliance outcomes.	
Metric	Number of training activities (classes, webinars, workshops, etc.) held and number of participants by category.	

Metric	Number and percent of permitting agencies who receive assistance from an SDREN energy code coach.	

SDREN will also report on segment- and sector-specific common metrics and other metrics and indicators that roll up into the portfolio's unique value metrics.

C&S Segment-Specific Coordination

SDREN will coordinate its C&S segment strategies with SDG&E's C&S programs and with statewide C&S programs administered by the IOUs and the CEC. Coordination with other C&S programs will avoid potential overlap and duplication and ensure that the SDREN C&S programs and initiatives provide substantial new value to the San Diego County C&S community. SDREN will leverage best practices, coordination strategies, program design innovations, and tools and resources from other RENs and IOUs, such as Energy Code Ace and the Energy Hub developed with the San Diego Regional Climate Collaborative (SDRCC), to develop consistent and comprehensive C&S solutions.

SDREN and SDG&E staff will convene regular meetings and communication to ensure a well-coordinated set of codes and standards program offerings and a comprehensive set of C&S policy strategies and compliance solutions. SDREN and SDG&E will also work together on marketing and outreach efforts. Both the proposed SDREN C&S program and the SDG&E Local C&S program will strive to offer a comprehensive set of strategies to effectively address current and anticipated C&S policy drivers and increase compliance support for permitting agencies and permit applicants. Areas of anticipated SDREN and SDG&E collaboration and coordination include:

- Working together on C&S needs assessments.
- Developing customized education and technical assistance for city and county building departments.
- Developing complementary C&S education tools, resources, workshops, training, and forums.
- Developing complementary approaches to educating and advocating for improved existing building performance, such as benchmarking, building performance standards, rating systems, energy auditing, etc.
- Working together to create innovative C&S solutions that assist in meeting state climate and energy goals.

Market Support

Market Support programs have a primary objective of supporting the long-term success of the energy efficiency market by educating customers, training contractors, building partnerships, or moving beneficial technologies towards greater cost-effectiveness.[24]

[24] D.21-05-031, pg 14.

Multiple sub-objectives for the segment have also been identified and are listed below:[25]

1. Demand: Build, enable, and maintain demand for energy-efficient products and services in all sectors and industries to ensure interest in, knowledge of, and awareness of how to obtain energy efficient products and/or services.
2. Supply: Build, enable, and maintain supply chains to increase the capability of market actors to supply energy-efficient products and/or services, and to increase the ability, capability, and motivation of market actors to perform/ensure quality installations that optimize energy efficiency savings.
3. Partnerships: Build, enable, and maintain partnerships with consumers, governments, advocates, contractors, suppliers, manufacturers, community-based organizations and other entities to obtain delivery and/or funding efficiencies for energy-efficient products and/or services and create added value for partners.
4. Innovation and Accessibility: Build, enable, and maintain innovation and accessibility in technologies, approaches, and services to increase value, decrease costs, increase energy efficiency, and/or increase scale of and access to energy-efficient products and services.
5. Access to Capital: Build, enable, and maintain increased and equitable access to capital and program coordination to increase affordability of and investment in energy-efficient projects, products, or services.

SDREN will also consider the integration of flexible load products and projects alongside energy efficiency for these sub-objectives.

Preliminary Market Support Budget for 2024-2027 and Rationale for Distribution

SDREN's Market Support segment budget is $40,644,030, representing 34.0% of SDREN's proposed 2024-2027 budget. There are a total of three market support programs in the portfolio, one in the Public sector and two in the Cross-Cutting WE&T sector. SDREN's investment in the Market Support sector will support the long-term success of the EE market in the San Diego region by investing in a strong workforce and the public agencies that represent and lead the region. The allocation of budget to this segment is imperative for SDREN to deliver on all three of its portfolio goals: advancing decarbonization, providing comprehensive services that improve outcomes for underserved and HTR communities, and accelerating the clean energy economy through workforce opportunities. The overall budget is commensurate with the investments of other RENs within the market support segment.

Table 16. Market Support Four-Year Budget Breakdown by Sector

Sector	2024	2025	2026	2027	Total
Public	$2,732,000	$5,645,500	$6,210,050	$6,831,055	$21,418,605
WE&T	$2,452,000	$5,067,500	$5,574,250	$6,131,675	$19,225,425
Total	**$5,184,000**	**$10,713,000**	**$11,784,300**	**$12,962,730**	**$40,644,030**

[25] Ibid.

Market Support Goals, Strategies, and Outcomes

For the 2024-2027 portfolio period, SDREN will follow the goals, strategies, and outcomes listed in the table below for the market support sector. The strategies related to public agencies will support the state in meeting ESJAP goals 2 and 4 by increasing climate resiliency and investment in clean energy resources to benefit ESJ communities. Strategies related to workforce development will address the ESJAP goal 7 to promote high road career paths and economic opportunity for residents of ESJ communities.

Table 17. Market Support Goals, Strategies and Outcomes

Sector	Goals	Strategies	Outcomes
WE&T	• Build participant workforce capacity. • Enhance workforce training pathways. • Strengthen employee skills and support professional growth focused on green careers.	• Provide comprehensive workforce educational and wraparound services to build skills and match participants with employers. • Coordinate with job placement programs to support workforce development. • Partner with local community college districts to provide college-level courses and skill development opportunities.	• Increase the supply of skilled employees entering into the energy and green workforce. • Increase opportunities for job training and certifications. • Connect participants to high road jobs. • Increase participating organizations' staff retention and internal promotional opportunities.
Public	• Increase capacity, awareness, and understanding of the benefits of decarbonization and IDSM strategies. • Help public agencies address and adapt to climate change by reducing GHG emissions and increasing	• Offer comprehensive project management and technical assistance services to identify and install projects. • Deliver education and training to public agencies. • Deliver customized decarbonization and resilience roadmaps. • Provide energy analysis reports at the portfolio and project level.	• Agencies improve their energy resilience, increase preparedness for climate-related emergencies, and decarbonize their facilities and assets. • Public agencies demonstrate awareness of benefits of distributed energy resources (DERs) and integrate policies and actions as standard practice.

	energy resilience.	• Directly install EE and flexible load measures. • Channel project opportunities to other applicable EE and IDSM programs. • Help agencies secure internal and external funding for decarbonization projects.	• Agency awareness of energy consumption and costs. • Integration of EE and IDSM recommendations into existing or new Climate Action Plans. • Agencies receive capital to fund their decarbonization and energy resilience projects. • Energy bill reductions are achieved.

Projected Annual Portfolio and Sector-Level Metrics

The 2023 decision authorizing EE Portfolios and Business Plans adopted a set of Market Support segment objectives and indicators. SDREN will engage with the joint PAs as part of the joint Tier 2 Advice Letter to be filed by May 1, 2024[26] to modify the common metrics, clarify and modify the adopted indicators, and define the process for proposing and adopting long-term market support and equity goals and metrics for success.

SDREN will track and report on the adopted and finalized Market Support indicators (by sector where applicable). These will be reported annually or quarterly and either at the segment or portfolio level, as outlined in the table below.

Table 18. Adopted Market Support Indicators

Market Support Indicators	Reported Annually or Quarterly?	Reported at Segment or Portfolio Level
Number of partners by type and purpose(s)	Q	P
Dollar value of non-ratepayer in-kind funds/contributions provided via partnerships	A	P
Participation rate relative to eligible target population for curriculum	Q	S
Percent of total WE&T program participants that meet the CPUC's definition of disadvantaged worker	Q	S
Number of career and workforce readiness participants who have been employed for 12 months after receiving training	A	S

[26] D.23-06-055 Ordering Paragraph (OP) 11.

Prior year percentage of new measures added to the portfolio that were previously emerging technology program (ETP) technologies	A	P
Prior year percentage of new codes or standards that were previously ETP technologies	A	P
Savings (lifecycle net kWh, kWh, and therms) of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available	A	P
Number of new, validated technologies recommended to the California Technical Forum	A	P
Cost-effectiveness of a technology before and after intervention by the market support program (percentage change in cost-effectiveness)	A	S
Number of collaborations, with a contextual descriptions, by business plan sector to jointly develop or share training materials or resources	A	P
Number of participants by sector that complete training	Q	S
Number of projects (outside of ETP) that validate the technical performance, market barrier knowledge, and/or effective program interventions of an emerging/under-utilized or existing energy efficient technology	A	P
Total projects completed/measures installed and dollar value of consolidated programs by sector	Q	P
Ratio of ratepayer funds expended to private capital leveraged by sector	Q	P
Percentage of partners that have taken action supporting energy efficiency by type	Q	P
Number of contractors (that serve in the portfolio administrator service areas) trained by relevant market support programs to provide quality installations that optimize energy efficiency	Q	S
Assessed value of the partnership by partners	A	P
Percent of market penetration of emerging/under-utilized or existing energy efficiency products or services	A	P
Percent of market participant awareness of emerging/under-utilized or existing energy efficiency products or services	A	P

Aggregated confidence level in performance verification by production, project, and service (for relevant programs)	A	P
Cost differential between comparable market rate products and program products	A	P
Comparisons between market-rate capital vs. capital accessed via energy efficiency programs (e.g., interest rate, monthly payment)	A	P

Other progress trackers SDREN will report on include:

- The additional seventeen indicators focused on awareness, knowledge, attitude, and behavior (AKAB) outlined in D.23-06-055, once additional guidance is available.[27]
- Program-level progress trackers, which are outlined in the program cards and will be finalized after award of contract to implementation consultant.
- Portfolio- and sector-specific common metrics and indicators.
- Metrics and indicators that roll up into the portfolio's unique value metrics.

Market Support Segment-Specific Coordination

To meet the objectives of the market support segment, SDREN will thoughtfully and consistently coordinate with SDG&E and their third party program implementers. SDREN will engage with SDG&E ahead of soliciting any of the market support programs to third party implementers in order to clearly outline service gaps and opportunities for integrating coordination into the solicitations. Additionally, SDREN will coordinate with other workforce development actors in the region and across the state, such as other RENs and EE third party implementers, to share best practices and resources.

As part of SDREN's unique value and to meet market support objectives, they will coordinate with the following regional entities: San Diego Regional Climate Collaborative, SDCP, CEA, SDG&E, San Diego Workforce Partnership, San Diego Association of Governments (SANDAG), San Diego Green Building Council, and International Code Council (ICC) San Diego Chapter.

SDREN will also closely monitor market transformation initiatives and activities from CalMTA[28] for opportunities to incorporate them into the Market Support segment of the SDREN portfolio.

Equity

The purpose of Equity segment programs is to provide energy efficiency resources to HTR or underserved customers and disadvantaged communities and to advance the ESJ Action Plan.[29]

[27] D.23.06.055, pg 63.
[28] https://calmta.org/
[29] D.21-05-031, pg 14.

Multiple sub-objectives for the segment have also been identified as listed below:[30]

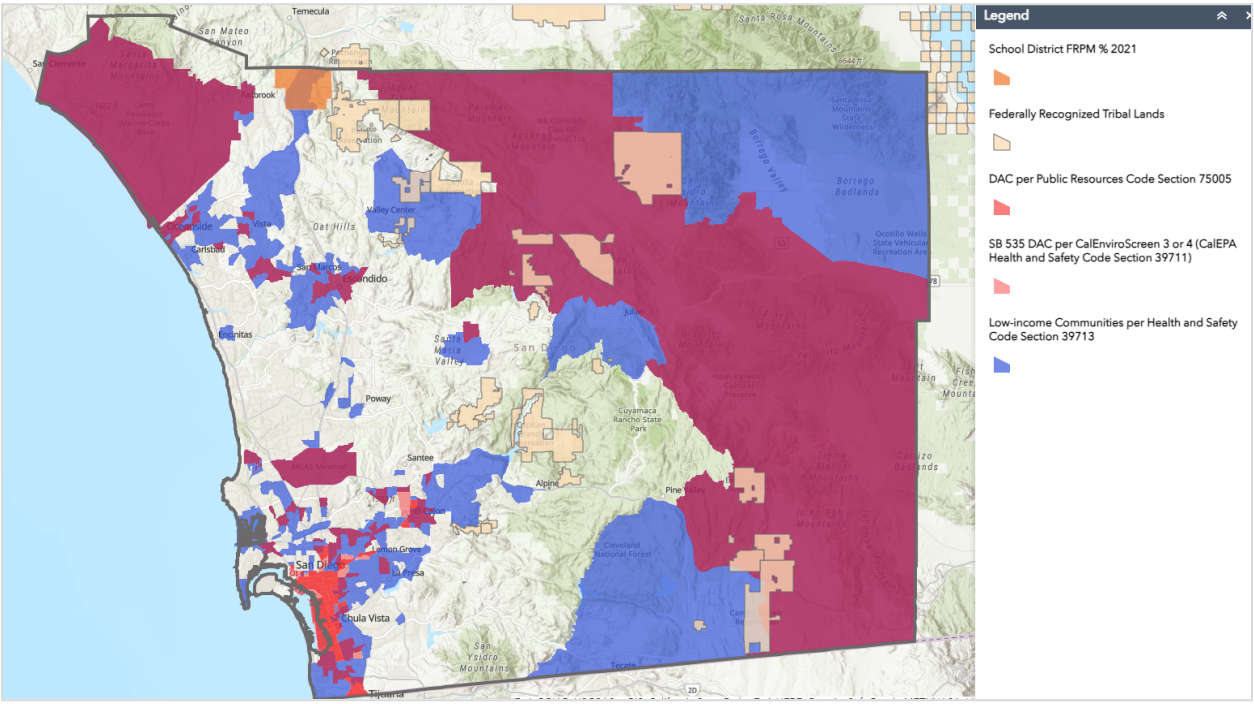
1. Address disparities in access to energy efficiency programs.
2. Promote resilience, health, comfort, safety, energy affordability, and/or energy savings.
3. Reduce energy-related GHG and criteria pollutant emissions.
4. Provide workforce opportunities.

Preliminary Equity Budget for 2023-2027 and Rationale for Distribution

SDREN's Equity segment budget is $55,047,128, representing 46.1% of SDREN's proposed 2024-2027 budget. Consistent with SDREN's Guiding Principle 1 (to advance environmental equity) and Portfolio Goal 2 (to improve outcomes for underserved and HTR communities), SDREN has allocated the most significant portion of its budget to Equity segment activities. This focus area fills a gap in the region since SDG&E's portfolio focuses only a small fraction of its budget on Equity segment activities.

As part of the market assessment when developing this application, SDREN developed a map to visualize the geographic regions considered HTR and underserved based on definitions adopted in D.23-06-055. Based on this map, it was determined that **56% of the SDREN population lives in an underserved community**.

Figure 8. Underserved communities within SDREN territory, where 56% of the population resides



SDREN proposes a total of five Equity programs in the Commercial, Public, and Residential sectors. The total budget allocated to each sector within the Equity segment is outlined in the table below. It is notable that nearly half (46%) of the total segment budget is allocated to direct install measures. This strategy, in alignment with SDREN's portfolio vision, enhances SDREN's

[30] Ibid.

ability to ensure underserved, HTR, and disadvantaged communities are not left behind in the clean energy transition.

Table 19. Equity Four-Year Budget Breakdown by Sector

Sector	2024	2025	2026	2027	Total
Commercial	$2,336,000	$4,826,200	$5,308,820	$5,839,702	$18,310,722
Public	$234,000	$482,600	$530,860	$583,946	$1,831,406
Residential	$4,453,000	$9,200,000	$10,120,000	$11,132,000	$34,905,000
Total	**$7,023,000**	**$14,508,800**	**$15,959,680**	**$17,555,648**	**$55,047,128**

Equity Specific Strategies, Goals, and Outcomes

For the 2024-2027 portfolio period, SDREN will pursue the goals, strategies, and outcomes listed in the table below for the Equity sector. All of the below strategies will support the state's ESJAP goals. The strategies related to Tribes will support the state in meeting ESJAP goal 5 by involving Tribal communities in the process of developing program strategies. All other strategies support ESJAP goals 2 and 4 by increasing climate resiliency and investment in clean energy resources to benefit ESJ communities.

Table 20. Equity Segment Strategies, Goals, and Outcomes

Goals	Strategies	Outcomes
• Deliver equitable services to traditionally underserved and HTR customers to ensure they are included in the clean energy transition. • Reduce barriers to EE and flex load program participation among HTR and underserved customers.	• Focus outreach on and target underserved and HTR customers. • Provide in-person, equitable, and inclusive outreach and support services (i.e. in-language materials with cultural understanding, taking into consideration customers with impaired hearing or vision, and customers without internet access, etc.). • Customized energy programs and strategies shaped by community input. • Increased incentive opportunities for HTR and underserved communities. • One-on-one support to connect customers to other	• Increased access to and awareness of energy efficiency, DER technologies, and funding and financing programs. • Increased participation in ratepayer-funded EE programs by HTR customers and underserved communities. • Reduced energy burden for HTR and underserved participants. • Energy co-benefits (e.g. health, comfort) realized by HTR and underserved participants. • A clean energy transition inclusive of customers historically left out of energy programs. • Energy justice for HTR customers and underserved communities.

	available programs, services, and funding opportunities. ● Direct installation of energy efficiency measures. ● Framework in which Tribal governments propose and design customized energy programs and strategies to meet their unique community needs. ● Funding and financing support, connecting participants to other incentive programs, financing offerings, tax credits, etc.	● Increased adoption of EE and IDSM measures and strategies.

Projected Annual Portfolio and Sector-Level Metrics

The Equity segment objectives and indicators were adopted in D.23-06-055. SDREN will engage with the joint PAs as part of the Tier 2 Advice Letter to be filed by May 1, 2024[31] to modify the common metrics, clarify and modify the adopted indicators, and define the process for proposing and adopting long-term market support and equity goals and metrics for success.

SDREN will track and report on the adopted and finalized Equity segment indicators (by sector where applicable). These will be reported annually or quarterly and either at the segment or portfolio level as outlined in the table below.

Table 21. Adopted Equity Indicators

Equity Sector Indicators	Reported Quarterly or Annually?	Reported by Segment or Portfolio?
Count of equity target participants in equity segment, by sector	Q	S
Sum of equity target participants' expected first-year bill savings in equity segment, by sector	Q	S
Count of equity target participants in market support segment, by sector	Q	S
Count of equity target participants in resource acquisition segment, by sector	Q	S

[31] D.23-06-055 Ordering Paragraph (OP) 11

Sum of all equity segment participants' greenhouse gas reductions (in tons of carbon dioxide equivalent) in equity segment	Q	S
Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment	Q	S
Sum of all equity segment participants' kW savings in equity segment	Q	S
Sum of all equity segment participants' therm savings in equity segment	Q	S
Sum of all equity segment participants' TSB in equity segment	Q	S
Median of equity target participants' expected first-year bill savings in equity segment, by sector	Q	S
Percent of HTR customer participants in portfolio by residential single-family/multifamily and commercial sector	A	P
Percent of disadvantaged community customer participants in portfolio by residential single-family/multifamily and commercial sector	A	P
Percent of equity target participants in equity segment, by sector	Q	S

Other equity segment metrics SDREN will report on include:

- Program-level progress trackers for the adopted Equity segment indicators. These trackers are outlined in the program cards and will be finalized after a contract is awarded to an implementation consultant.
- Portfolio- and sector-specific common metrics.
- Metrics and indicators that roll up into the portfolio's unique value metrics.
- Pursuant to D.23-06-055, SDREN will also develop indicators for the equity segment to measure community engagement. These will be included in the mid-cycle Advice Letter in 2025 and in subsequent annual reports.[32]

SDREN will engage in efforts outlined in D.23-06-055 to quantify non-energy benefits (NEBs) and report demographic EE program participation.

SDREN will participate in the newly formed working group intended to inform goals, priorities and scope of a study that responds to questions regarding NEBs.[33] Achievement of NEBs directly ties to equity objectives and SDREN anticipates that it will serve as a key metric for future portfolios focused on serving equity customers.

In D.23-06-055, the Commission directed PAs to work with the Reporting Policy Coordination Group to jointly submit a report addressing demographic questions by no later than September

[32] D.23-06-055 OP 24.
[33] D.23-06-055 pg. 34.

1, 2025. SDREN will participate in this process and, based on that analysis, will include preferred approaches to reporting demographic energy efficiency program participation information in its 2026 proposal.[34]

Equity Segment Coordination

Similar to the other segments, SDREN will coordinate closely with SDG&E's team managing Equity programs. In addition to EE market rate program coordination, SDREN will look to engage with low-income programs for ongoing coordination strategies.[35] Before releasing solicitations for the Equity programs, SDREN and SDG&E will work together to clearly outline service gaps and opportunities for integrating coordination into the solicitations. SDREN will promote and support access to SDG&E programs for equity customers whenever possible.

To advance the ESJ Action Plan Goal 5 to "enhance outreach and public participation opportunities for ESJ communities to meaningfully participate in the CPUC's decision-making process and benefit from CPUC programs,"[36] SDREN will look for ways to engage with communities to collect ongoing feedback to inform program design and delivery.

Sector Strategy

Strategies Driving Distribution of Budget Among Sectors and Alignment with Broader Portfolio Objectives

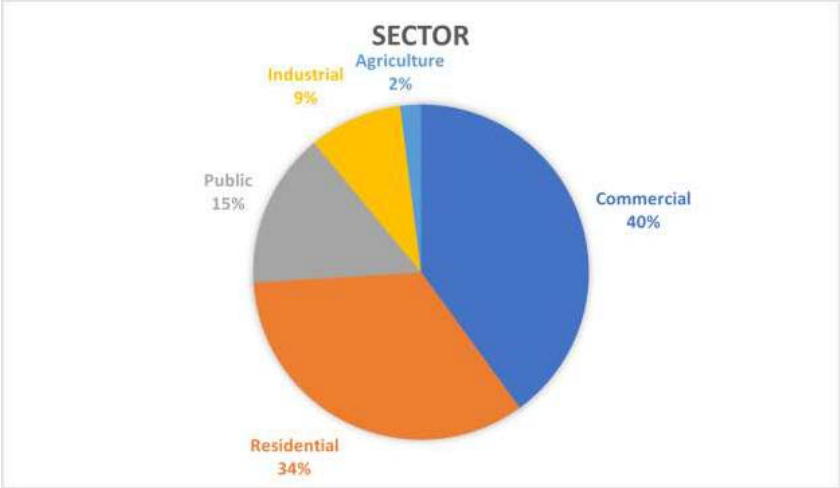
SDREN's portfolio includes the Commercial, Public, Residential, and Cross-Cutting C&S and WE&T sectors. The portfolio's focus and budget allocation across the targeted sectors of Commercial, Residential, and Public is in close alignment with the distribution of electricity consumption of these sectors across SDG&E's territory.

[34] D.23-06-055 OP 23.

[35] Page 15 of D.21-05-031 states, "the 'equity' category is distinct from our separate low-income energy efficiency Energy Savings Assistance (ESA) programs, which have separate goals and regulatory treatment. While there is some overlap in customers within the target segments, the 'equity' category is intended to be defined within the energy efficiency programs covered in this rulemaking that are not specifically targeting low-income populations with program offerings that low-income populations could receive at no cost from the ESA program."

[36] Environmental & Social Justice Action Plan Version 2.0.

Figure 9. SDG&E 2018-2020 Average Electric Consumption by Sector[37]

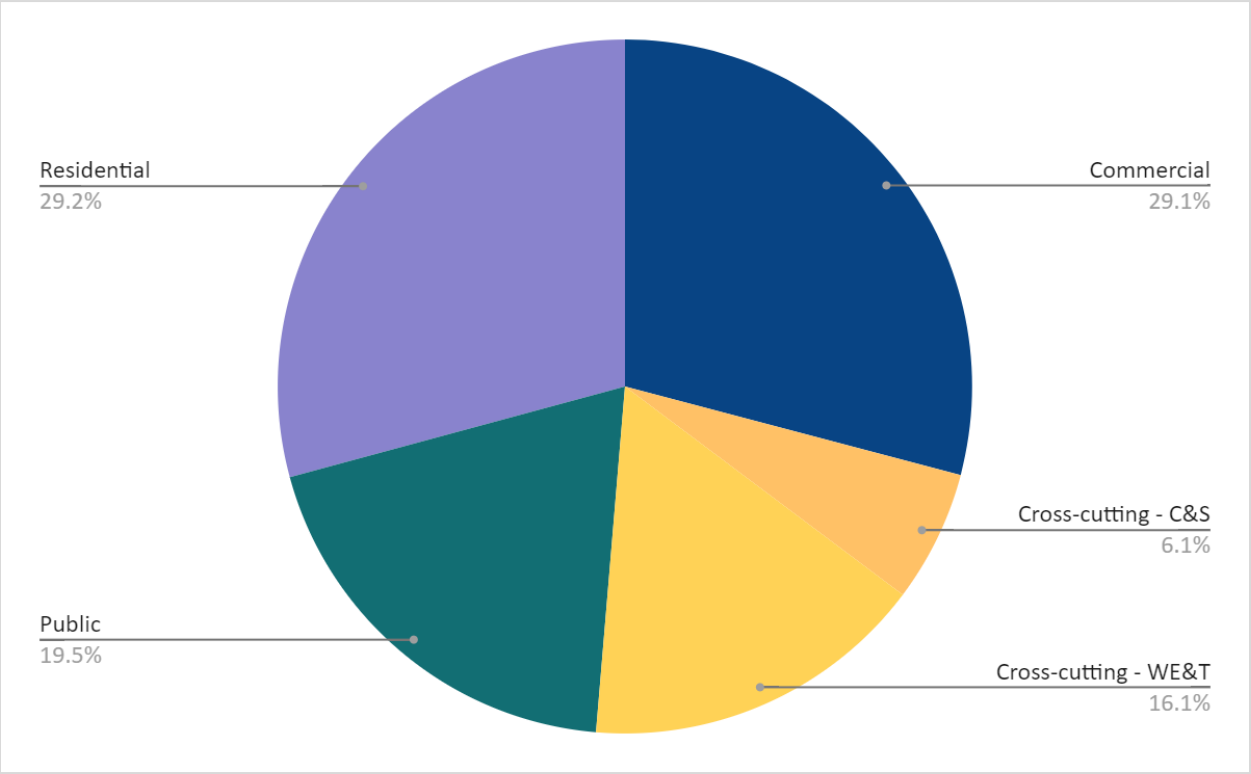


The Commercial, Residential, and Public sectors' budget allocations also reflect the portfolio objectives related to decarbonization and providing comprehensive services. SDREN's investment in the Cross-Cutting sector supports the portfolio objectives related to accelerating the clean energy economy through workforce, education and training and codes and standards offerings.

The budget allocation by sector is illustrated in the graphic below.

[37] SDG&E EE Business Plan Testimony (2024-2031) - Exhibit 1, pg.9.

Figure 10. SDREN 2024-2027 Budget Allocation by Sector



Description of Sectors SDREN Proposes to Serve

Through a market assessment, SDREN evaluated energy data (including the number of customers by type), energy efficiency program availability, and participation across sectors in San Diego County. This analysis informed SDREN's sector focus and resources for its portfolio.

To address gaps and adequately serve HTR communities, SDREN has identified programs that will serve the Commercial, Residential and Public sectors as well as the Cross-Cutting sectors of WE&T and C&S.

Commercial Sector: SDREN proposes three Commercial Sector programs that fill gaps and will be closely coordinated with SDG&E programs. Two are equity programs, targeting HTR small-to-medium-sized businesses. The goal of these programs is to deliver equitable services to HTR customers to ensure they are not left behind in the clean energy transition. The programs will achieve this goal by reducing barriers to participation, increasing awareness, and increasing adoption of EE practices and measures. Store owners, particularly HTR owners, have limited staff capacity and capital to invest in energy-efficient equipment. Two of SDREN's three commercial sector programs will deploy a direct install approach to alleviate the cost barrier to participation and enable store owners to participate in energy efficiency program offerings. SDREN's third commercial sector program is a resource program that will provide incentives to commercial customers for peak demand reduction and verifiable energy savings.

Public Sector: The public sector will offer two programs that fill gaps in SDG&E services and will guide participants to SDG&E programs where applicable. One is a market support program that offers comprehensive, customized and unbiased end-to-end EE project services to public agencies within San Diego County. The second is an equity program that will collaborate with Tribal communities to design and deliver community-specific programs. There are no current Tribal-specific EE strategies or programs offered by SDG&E or any other PA.

Residential Sector: SDREN proposes two residential programs, both of which address equity. Both fill gaps in current SDG&E offerings to multifamily and single-family customers by providing customized support and education to HTR renters and homeowners. Because residential customers are typically overwhelmed by complex program offerings and multiple entry points, SDREN will provide behavioral engagement and an unbiased "energy advisor" to demystify funding opportunities. Programs will conduct education and outreach to highlight non-energy benefits and a pathway to electrification. Understanding that the multifamily sub-sector has experienced EE program challenges across the state, SDREN will coordinate directly with PAs and implementers to apply the latest lessons learned from other multifamily programs prior to implementation.

Cross-Cutting Sector: SDREN's portfolio supports the Cross-Cutting sector through C&S and WE&T programs.

- **Codes & Standards:** SDREN's proposed codes and standards program will supplement and complement SDG&E's C&S programs and all statewide C&S programs. SDREN's program will provide local agencies with policy and compliance support, increase permitting authorities' expertise, and enhance communication between permitting authorities and permit applicants. SDREN's C&S program works with public agencies to provide policy and compliance support. Similar to other RENs, the program will coordinate closely with the current local SDG&E program and statewide programs, which primarily focus on advocacy to the CEC and Department of Energy (DOE) related to appliance and building standards.
- **Workforce, Education & Training:** SDREN proposes two market support WE&T programs that fill gaps, support the development of a green workforce that includes vulnerable populations, and build resilient communities. These programs offer wraparound services targeting individuals in HTR, DAC, and historically underserved communities. They will provide equitable access to education and skill-building pathways that will increase clean energy career opportunities for new market entrants and increase green workforce training through employers.

Preliminary Distribution of Budget Among Sectors for 2024-2027 and Rationale for Distribution

Table 22. Distribution of programs and budgets among sectors for 2024-2027 (not including EM&V)

Sector	Number of Programs	2024-2027 Budget	% of Portfolio
Residential	2	$34,905,000	29%
Commercial	3	$34,790,038	29%
Public	2	$23,250,011	20%
Cross-Cutting: WE&T	2	$19,225,425	16%
Cross-Cutting: C&S	1	$7,323,955	6%
Total	**10**	**$119,494,429**	**100%**

Commercial Sector: SDREN proposes three Commercial sector programs with a total four-year budget of $34.8 million, representing 29% of the SDREN portfolio. The Commercial sector accounts for the largest share of electricity consumption within SDG&E's service territory, comprising 40% of the total usage.[38] Approximately 77% of SDG&E commercial sector customers fall into the small commercial category and nearly two-thirds of all commercial customers have fewer than five employees.[39] This market context, coupled with the fact that all but one of the planned EE programs within the commercial sector will be focused on resource equity goals, justifying SDREN's focus on this sector.

Cross-Cutting Sector: Approximately 22% of SDREN's portfolio is allocated to the Cross-Cutting sector, which includes both C&S and WE&T programs.

- **C&S:** SDREN is proposing a single codes and standards program with a total four-year budget of $7.3 million, representing 6% of the total portfolio budget. The budget is based on SDREN's evaluation of C&S market needs within San Diego County and is commensurate with total budget allocations of other REN C&S budgets that support IOU and statewide efforts. The C&S sector program fills gaps and is critical to accelerating a decarbonized energy future in San Diego County. The SDREN program will support permitting agencies on Title 24 compliance and adopting Title 24 reach codes, and will offer customized support. All other RENs in the state will have a C&S offering starting in 2024, highlighting a clear gap in San Diego for this support.

- **WE&T:** SDREN's portfolio includes two WE&T programs with a total four-year budget of $19.2 million, representing 16% of the total portfolio. The allocation of other REN WE&T budgets ranges from 4% (SoCalREN) to 25% (RuralREN). The transition toward

[38] SDG&E EE Portfolio Testimony (2024-2027), Exhibit 2, pg. 57.
[39] SDG&E Business Plan, Exhibit 1, pg. 9.

decarbonized buildings, coupled with substantial investments in a clean energy economy (e.g. IRA and the Equitable Building Decarbonization Program), creates a heightened need for a skilled workforce to deliver on local, state, and federal climate and energy goals. SDREN is dedicated to addressing the shortage of workers with essential skills to support the transition to clean energy.

Public Sector: The Public sector segment will offer two programs with a total four-year budget of $23.3 million, representing 20% of the SDREN portfolio. SDREN has allocated a significant budget to this sector because it has historically been underserved. Existing programs in the sector are resource segment programs, which tend to leave small customers behind due to strict cost-effectiveness requirements. Furthermore, during coordination discussions with SDG&E, SDREN identified a programmatic gap that formed when SDG&E's third party implemented K-12 schools program closed. SDREN's programs fill this gap and ensure public agencies are served equitably and comprehensively.

Residential Sector: SDREN proposes two residential equity programs with a total four-year budget of $34.9 million, representing 29% of the overall portfolio. SDREN has allocated a significant portion of its budget to this sector since the Residential sector is the largest customer group in SDG&E territory and it is currently challenging for HTR customers to participate in and fully benefit from the clean energy program landscape. Additionally, the EE P&G study found the opportunity for significant savings in the region based on incremental market potential.

Commercial Sector

Market Characterization

The small-medium business (SMB) community is composed of diverse business owners, with approximately 77% falling into the small commercial category (energy demand of <20 kW). Nearly two-thirds of all commercial customers are micro-businesses with fewer than five employees.[40] Additionally, it is estimated that 38% of San Diego County residents speak a language other than English at home.[41] SDREN's proposed Commercial sector programs open the door to a substantial market opportunity in the Commercial sector. The Commercial sector accounts for the largest share of electricity consumption within SDG&E's service territory, comprising 40% of the total usage.[42]

There are currently two SDG&E EE third party Commercial sector programs available for commercial customers, but SDG&E is actively soliciting several Commercial sector offers as outlined in the table below. These additional commercial programs are anticipated to be contracted and launched over the next eighteen months and are anticipated to target several market sub-sectors. Five of SDG&E's EE Commercial programs are segmented as resource acquisition programs, and there is one equity and one market support program anticipated to launch in early 2024.

[40] SDG&E Business Plan, Exhibit 1, pg. 9.
[41] US Census Data for San Diego County. https://www.census.gov/quickfacts/fact/table/sandiegocitycalifornia/PST045222
[42] SDG&E EE Portfolio Plan Testimony (2024-2027), Exhibit 2, p.57.

Table 23. Current and upcoming SDG&E EE third party commercial programs

Program Type or Name and Segmentation	Status
Comprehensive Energy Management Solutions (CEMS) for customers >20kW - Resource Acquisition	Currently active
Business Energy Solutions (BES) for customers <20kW - Resource Acquisition	Will ramp down for new equity program
Small Business Saver - Equity	Anticipated launch Q1 2024
Groceries, Restaurants, Food Storage - Resource Acquisition	Anticipated launch Q4 2024
Private Institutions, Healthcare - Resource Acquisition	Anticipated launch Q2 2025
Lodging - Resource Acquisition	Anticipated launch Q1 2025
Cross-cutting Non-Residential Behavior - Market Support	Advice letter pending / anticipated launch Q1 2024

Commercial Sector Goals, Objectives and Strategies

SDREN's commercial portfolio has been crafted to meet the diverse energy efficiency needs of various business types, with a focus on HTR and underserved commercial customers. SDREN's services aim to bridge gaps by referring customers to appropriate programs and services.

The overarching objective for this sector is to deliver equity-driven and high-impact EE programs. These programs are designed to expand market reach, particularly among HTR and underserved businesses. Furthermore, they seek to accelerate the implementation of deep EE retrofits and deliver quantifiable EE benefits that reduce GHG emissions and increase grid reliability.

Table 24. Commercial Sector Goals, Objectives, and Strategies

Goals	Strategies	Objectives
Deliver equitable services to the traditionally underserved micro and small business sectors.	• Focus on disadvantaged, underserved, and HTR communities within San Diego County. • Provide in-person, in-language and community-specific outreach and support services through trusted representatives.	• Increase participation of HTR customers in ratepayer-funded EE programs. • Create equity co-benefits such as healthy, fresh food offerings in local grocery stores.
Reduce barriers to EE program participation among commercial customers.	• Provide each participant with a single implementer point of contact (energy coach) as a connection point to programs and services.	• Increase commercial sector adoption of EE equipment. • Increase awareness of EE technologies and

	• Offer direct installation of energy efficiency measures for SMBs. • Build program participants' EE expertise and train them to identify energy-saving potential at their businesses. • Connect businesses to and provide information on EE funding/financing, including IRA tax credits, in alignment with the 2023 Potential and Goals Study. • Provide in-language and culturally sensitive outreach materials and program documents.	funding/financing programs. • Reduce lifecycle costs of installing EE measures. • Help customers save on energy bills and reduce GHG emissions. • Realize TSB.
Accelerate implementation of EE measures and long-term EE market transformation through program interventions.	• Provide pathways through the SMB Energy Coach program for decarbonization, such as through heat pump water heaters. • Market Access Program will incentivize long-life measures that provide high TSB via multi-year energy savings. • Facilitate access to programs that encourage long-term sustainable energy actions, such as the California Green Business Network.	• Emerging EE technologies like heat pump water heaters become standard practice. • Realize the full potential of EE through comprehensive whole building retrofits that capture 'stranded' to-code energy savings at the meter. • Avoid peaker plant GHG emissions through deep peak demand reduction. • Increase participation in locally recognized programs that offer green business certifications.

Commercial Sector Coordination

SDG&E and statewide programs overlapping in this sector include:

- **Comfortably California,** a statewide upstream and midstream heating, ventilation and air conditioning (HVAC) program that offers deemed HVAC measures. SDREN's SMB Energy Coach program may refer program participants to this program as applicable.

- The **Smart Thermostat Program for Businesses,** where customers receive a $50 incentive for installing and registering an approved thermostat that activates during DR events. SDREN's SMB Energy Coach program will highlight this opportunity to eligible participants.

- SDG&E's commercial portfolio includes a Small Business Outreach equity program called **Small Business Saver** targeting EE interventions with small business customers (under 20 kW). As of the filing of this Business Plan, this program has not yet launched with a new third party implementer. SDREN will coordinate closely with this program to fill gaps and avoid duplication.

- SDG&E offers a market access program and the **Comprehensive Energy Management Solutions** (CEMS[43]) program for large commercial customers (over 20 kW). While the CEMs and SDG&E Market Access Program (MAP) will be available to customers also eligible for the SDREN Market Access Program, the programs have notable differences, including:

    1. SDG&E CEMS offers direct install, deemed, custom, and site-NMEC incentives.
    2. SDG&E MAP offers a population-NMEC approach for a subset of measures that are unable to participate in SDG&E's other downstream EE programs with performance-based incentives paid to the aggregator.
    3. SDREN Market Access Program offers a measure-flexible population-NMEC approach with performance-based incentives paid to the aggregator targeted to underserved and HTR businesses.

To avoid overlap among SDG&E and statewide programs in the region, SDREN will coordinate closely with SDG&E and the statewide program administrators and their implementers to offer complimentary and gap-filling services to program participants. Upon Business Plan approval, SDREN will file a JCM with SDG&E to outline coordination protocols that ensure services fill gaps, meet regional needs, and avoid duplication. Some initial strategies discussed with SDG&E during the portfolio application development include:

- Mapping of full commercial portfolios, including eligibility criteria, customer targeting, and services ahead of SDREN solicitations.
- Coordinating closely with the new SDG&E Commercial Equity program to fill gaps in service and prevent market confusion.
- Developing a joint customer messaging strategy.
- Promoting complementary programs such as Comfortably California and the Smart Thermostat Program to eligible customers.

[43] https://cedars.sound-data.com/documents/download/2889/main/

SMB Energy Coach pairs technical assistance and advisory services with turnkey direct install measure delivery for a seamless, integrated program experience. SDREN's direct install model alleviates the out-of-pocket cost barrier to EE measure adoption. Importantly, the SMB Energy Coach will identify all opportunities available to participants including SDG&E, statewide, and federal programs and funding opportunities. As with all of SDREN's offerings, the program will also integrate IDSM support. SDREN's Efficient Refrigeration program will target small local grocery stores, corner stores, and local small businesses that sell food products. The equity efficient refrigeration program will offer direct install measures not offered by other programs. Both the SMB Energy Coach and equity Efficient Refrigeration programs will target HTR customers.

SDREN will monitor the market and coordinate with other programs to leverage complementary offerings and combine incentives, including:

- **Leveraging** GoGreen Financing to develop projects with favorable financing terms through California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA) and IDSM incentive programs.
- **Stacking** IRA tax credits, 179D Commercial Building EE tax deductions, and TECH incentives to reduce equipment costs.

Categorization by Segment

Additional details on SDREN's segmentation justification at the program level can be found in *SDREN 2024-2031 EE Application Excel Sheets - 20 Segmentation Justification Attachment A* from D.23.06.055.

Table 25. Commercial Sector Program Categorization by Segment

Program	Segment	Justification/Goal
SMB Energy Coach	Equity	Provide energy efficiency services to HTR and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.
Efficient Refrigeration		
Market Access Program	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.

Commercial Sector Program Details

Table 26. Program Card for SMB Energy Coach

Program Name: SMB Energy Coach	
Program ID: SDREN-01-COM-SMB **New/Existing: New** **Link to implementation plan if existing (see D.21-05-031): N/A**	
Portfolio Segment: Equity	**Implementation Party:** Third-Party Implementer
Applicable Sector: Commercial	**Market Sub-Sector:** Small/Medium Businesses (SMBs)
Sector Challenge: ● SMBs may be unaware of EE technologies and value, and lack bandwidth to research and access resources. ● SMBs lack education on how to develop and pursue EE projects while meeting the varying requirements to access incentives, tax credits, and financing. ● SMBs need technical expertise to identify EE opportunities and to develop the scope of work and technical specifications for EE projects. ● Many small businesses lease their space and do not control investing/implementing EE opportunities. ○ Coordination with both tenants and landlords is required. ● Without energy program support, up-front capital costs prevent EE measure implementation.	**Sector Opportunity:** ● Small businesses (<20 kW) make up the majority (77%) of commercial SDG&E customers. ● Assist SMBs to work with local CA Green Business Network to receive recognition for EE program participation. ● Provide EE education and advisory services to landlords/property management companies and tenants to address split incentive challenges. ● Educate SMBs on behavioral, retro-commissioning, and operational (BRO) measures applicable to their facilities. ● In alignment with AB 793, educate SMBs on energy management technologies.
Known Equity Concerns in the Selected Markets: There are multiple equity concerns related to SMBs in San Diego County. Many SMBs lack the knowledge and/or experience to pursue incentive opportunities and financing programs for EE projects, which	**Proposed Solutions to Equity Concerns:** This program will provide a dedicated energy coach as a single point of contact and entry point to commercial sector opportunities. This energy coach will serve as an extension of the participants' staff, offering education,

may deter them from considering energy upgrades. SMBs commonly perceive EE measures as expensive investments, and they may lack the capital to pursue EE measures in their budget. Given the diversity of business owners in San Diego County, there are often language barriers for SMBs in HTR neighborhoods; current programs might not provide effective in-language outreach or materials to accommodate this need.	technical assistance, and project management support. The program will also provide direct installation options for energy efficiency measures to avoid out-of-pocket costs to participating businesses. The program will provide various in-language and culturally sensitive outreach materials and program documents with messaging that resonates with diverse SMBs and their staff.
Program Description: The SMB Energy Coach Program will raise awareness and increase the adoption of energy efficiency practices and measures. The program will connect a dedicated energy coach to each participating SMB to educate them on the value of EE and IDSM, provide facility benchmarking and EE opportunity assessments, support access to funding and financing, offer technical assistance, and install EE measures at no cost to program participants. The program will coordinate with SDG&E EE programs, statewide EE programs, and the San Diego Green Business Council, the local partner of the Green Business Network, to combine service offerings and compound the programs' value. Through coordination with the Green Business Network, program participants may receive public recognition via Green Business Certification for their EE upgrades, encouraging continued investment in EE. The program may leverage partnerships with community-based organizations to provide resources for returning program participants, encourage continuous pursuit of clean energy measures, and provide ongoing education and training for SMB staff.	
Intervention Strategy: Downstream - direct install and technical assistance. ● Facility energy report and opportunity assessments: the program will provide on-site and virtual assessments to identify EE measures at each business and provide an in-language energy report. The report will incorporate: ○ No and low-cost EE measures available through EE programs. ○ Incentive and funding opportunities through external mechanisms such as SDG&E, statewide, and federal programs. ○ Green Business Certification. ○ IDSM program opportunities, including demand response. ○ Education on reducing energy costs.	**Program Metrics:** ● kWh ● kW ● Therms ● TSB ● Annual GHG reductions ● Number of SMBs enrolled ● Number of SMBs served ● Number of facility benchmarking and EE opportunity assessments performed ● Number of direct install projects completed ● Number of funding and financing presentations performed ● Number of projects where technical assistance was provided

○ If applicable, the program will assist with benchmarking in Energy Star Portfolio Manager (ESPM) to help businesses understand their facility's energy performance and comply with AB802 for facilities over 50,000 sq. ft. ● Technical assistance: the program will provide technical specifications for identified projects to ensure implemented measures realize anticipated energy savings. ● Direct installation: the program will offer a menu of direct install measures available at low-to-no-cost for program participants. Sample EE measures include smart thermostats, LED lighting, controls, economizer controls/repair, duct sealing, appliances, faucet aerators, auto door closers, ice makers, and smart plugs. ● Funding and financing support: the program will connect SMBs to other incentive programs, SDG&E on-bill financing, GoGreen Financing, IRA tax credits, and other local/state/federal funding and financing programs.	
High-level description of delivery workforce including necessary scale and its risks: SDREN's local trusted partners will engage with businesses to determine eligibility and interest in program offerings. The program implementer staff and energy coaches will guide program participants through the SDREN commercial and other applicable program offerings and services. Licensed local contractors, electricians, and equipment manufacturers will support the direct installation of energy efficiency measures. Engineering consultants will provide technical assistance as needed. The program implementer(s) will work with community partners, including CBOs, to ensure SMB participants are aware of local resources and opportunities. There are workers in place to support these programs, but an increase in demand may require additional training and recruitment of specialized support. A delay in manufacturing and delivery of equipment (or high demand) can pose a risk to project completion timelines.	

Market actors necessary for success: ● Third-party implementer(s). ● Trade professionals. ● Local contractors. ● Equipment manufacturers. ● Community outreach staff. ● Property management/landlords, if applicable.	
Solicitation Strategy: Third-party solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - ongoing	**Short Term Plan:** Launch program in 2024 and ramp up implementation through 2027 to serve SMB customers.
Cost Effectiveness: 4 Year TRC: 0.14	**Long Term Outlook:** ● Increased interest in EE and IDSM. ● Adoption of EE measures among SMBs as a result of program intervention. ● Continuous engagement with returning and new program participants to achieve program objectives in alignment with state goals.
Proposed Annual Budgets for 2024-2027: **2024:** $1,402,000 **2025:** $2,895,700 **2026:** $3,185,270 **2027:** $3,503,797 **2024-2027 Total:** $10,986,767	**Anticipated directional and scale changes in budget for years 2028-2031:** SDREN will maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

Table 27. Program Card for Efficient Refrigeration

Program Name: Efficient Refrigeration	
Program ID: SDREN-02-COM-ERF **New/Existing: New** **Link to implementation plan if existing: N/A**	
Portfolio Segment: Equity	**Implementation Party:** Third-party Implementer

Applicable Sector: Commercial	**Market Sub-Sector:** Micro, small, and medium businesses, focusing on small local grocery stores, corner stores, and local small businesses that sell food products.
Sector Challenge: ● Store owners have limited staff capacity and capital to learn about high-efficiency equipment options and to invest in energy-efficient equipment. ● Business priorities and day-to-day operations take precedence over energy efficiency.	**Sector Opportunity:** ● A direct install approach alleviates the cost barrier to participation and allows store owners to participate in energy efficiency program offerings. ● Leverage other programs, such as the CDFA Healthy Refrigeration Grant Program[44] to create co-benefits, such as educating store owners about health benefits to providing local access to fresh, perishable food options (fruits, vegetables, nuts). ● Installation of high-efficiency refrigeration equipment with low-GWP refrigerants will realize utility bill savings for participants, encouraging future investment in energy efficiency.

[44] Program info here: https://cafarmtofork.cdfa.ca.gov/hrgp.html. SDCP was awarded a 2023 Equipment Award.

Known Equity Concerns in the Selected Markets:	Proposed Solutions to Equity Concerns:
Known Equity Concerns in the Selected Markets: Past programs offering support with refrigeration equipment have focused on larger customers, leaving smaller customers without any offerings focused on refrigeration. Based on the recent EM&V study conducted by SoCalREN, energy burden is a concern for this sub-market. Corner stores in particular feel burdened by high electricity bills associated with refrigeration.[45] Recent inflation and supply chain issues have also impacted small business owners, with 85% of small business owners indicating they are concerned about inflation.[46] Additionally, when considering this sub-market, it is beneficial to consider the health-energy nexus related to food access. Several communities within San Diego County face poverty and food insecurity.[47] In 2019, 77 census tracts had a poverty rate of 50% or more. Across San Diego County, the percentage of the population experiencing food insecurity by region is: central: 26.9%, east: 46.6%, north central: 38.5%, north coastal: 39.8%, north inland: 30.9%, and south: 27.7%. These communities lack regular access to fresh, healthy foods. They need personalized in-person, in-language and culturally sensitive outreach and program services.	**Proposed Solutions to Equity Concerns:** This program will encourage stores to sell fresh, healthy, and affordable food products by providing high efficiency refrigerators and freezers. This program will also develop in-language outreach materials to improve the education and communication to staff at participating businesses and the local community. The program will deploy in-person program outreach staff to reach businesses and tell them about program opportunities and objectives. This program will leverage local contractors to stimulate the local economy and support local workforce development.
Program Description: The Efficient Refrigeration program will provide energy efficiency education and no-cost, direct install efficient refrigeration equipment to small corner stores/grocers/small businesses to support energy cost savings and the stocking of healthy, fresh, and affordable food products. This program will provide technical assistance to identify refrigerators that are eligible for replacement with high efficiency units. This program will also leverage other programs and resources to provide one-on-one education on sourcing California-grown produce and product placement/promotion to encourage shopper purchases. Additionally, it will deliver community outreach events to promote program	

[45] SoCalREN Food Desert Energy Efficiency Equity Program Market Study, pg. 14.
[46] "Special Report on Inflation and Supply Chain Shocks on Small Business," U.S. Chamber of Commerce, March 3, 2022, https://www.uschamber.com/small-business/special-report-on-inflation-and-supply-chain-shocks-on-small-business.
[47] https://www.sandiegocounty.gov/content/dam/sdc/hhsa/programs/phs/CHS/Poverty%201%20 Areas%20of%20 Concentrated%20 Poverty%20and%20Food%20 Insecurity%20Brief.pdf.

<table>
<tr><td colspan="2">services, provide education on the benefits of energy efficiency, and encourage the public to shop at participating business locations by highlighting the availability of fresh, healthy foods. This program's target measures include glass and solid door refrigerator and freezer units. This program will also look for opportunities to integrate strategies from the new BayREN Refrigerant Replacement Program to encourage low-GWP refrigerants.</td></tr>
<tr><td>Intervention Strategy: Downstream - direct install, education and outreach.
In-person and in-language culturally sensitive outreach: given the staff capacity barrier to EE program participation and that 36% of County residents speak a language other than English at home, the program will provide in-person and in-language outreach to target businesses that are underserved by existing programs.
Direct installation of high efficiency refrigeration equipment: the program will provide no-cost installation of refrigeration equipment, generating utility bill savings for program participants at no cost.
Community-level and one-on-one education on EE and healthy food options: the program will educate program participants on the benefits of EE, low-GWP refrigerant, EE programs, and best practices for stocking healthy, fresh, perishable foods.
IDSM program participation education: share informational materials and resources to participants on the benefits of participating in DR and other IDSM programs.</td><td>Program Metrics:
kWh
Therms
TSB
Number of small corner stores/grocers/small businesses enrolled
Number of small corner stores/grocers/small businesses served
Number of in-person outreach events
Number of in-language outreach activities (events and/or marketing materials)
Number of direct-installations of high efficiency refrigeration equipment completed</td></tr>
<tr><td colspan="2">High-level description of delivery workforce including necessary scale and its risks: This program is reliant on partnership with owners and staff of small grocery and corner stores across San Diego County. The program also requires installer partner(s) to facilitate the purchase and installation of efficient refrigerators and freezers. Implementer staff and outreach partners will perform program education and outreach. No risks were identified regarding the delivery of workforce for this program.</td></tr>
</table>

Market actors necessary for success: ● Third-party implementer(s). ● Multi-lingual local outreach staff. ● Grocery and corner store owners. ● Local refrigerator/freezer installers. ● Refrigerator/freezer manufacturers and distributors.	
Solicitation Strategy: Third-party solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - ongoing	**Short Term Plan:** Ramp up third-party program to full implementation to deliver year-round peak demand reduction.
Cost Effectiveness: 4 year TRC: 0.02	**Long Term Outlook:** ● Small corner stores/grocers/small businesses realize utility bill savings by installing high efficiency refrigeration equipment. ● Local communities have increased access to fresh, healthy food. ● Small corner stores/grocers/small businesses understand the benefits of EE and pursue opportunities beyond refrigeration upgrades.
Proposed Annual Budgets for 2024-2027: **2024:** $934,000 **2025:** $1,930,500 **2026:** $2,123,550 **2027:** $2,335,905 **2024-2027 Total:** $7,323,955	**Anticipated directional and scale changes in budget for years 2028-2031:** SDREN will continue to maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

Table 28. Program Card for SDREN Market Access Program

Program Name: SDREN Market Access Program	
Program ID: SDREN-03-COM-MAP **New/Existing: New** **Link to implementation plan if existing: N/A**	
Portfolio Segment: Resource Acquisition	**Implementation Party:** Third-party Implementer

Applicable Sector: Commercial Property Owners	**Market Sub-Sector:** Small/Medium Businesses (SMBs)
Sector Challenge: ● Delivering scalable programs with costs less than delivered TSB. ● High administrative and capital cost barriers to business participation in EE programs. ● Limited customized solutions have to serve a wide range of customer types, including HTR and underserved businesses. ● Risk of large program investment without the delivery of anticipated TSB. ● Customer engagement through a trusted entity.	**Sector Opportunity:** ● Capture significant energy savings and peak demand reduction through tailored services offered via aggregators. ● Bundle program services with federal IRA funding to improve project cost-effectiveness. ● Leverage performance-based aggregator incentive approach to minimize program investment without the delivery of TSB and demand reduction. ● Work with local trusted partners, such as chambers of commerce, to reach HTR and underserved businesses.
Known Equity Concerns in the Selected Markets: Barriers to EE implementation vary from business to business. However, small-to-medium businesses typically have limited staff capacity and resources to pursue EE projects. High capital costs are also a common barrier. There is often a lack of programs or incentives designed to serve HTR and underserved businesses.	**Proposed Solutions to Equity Concerns:** To reduce customer administrative burden, the aggregator will manage a program compliance process and provide flexible benefits to each customer. Benefits may include price concessions or technical services to motivate the customer to pursue the project. Higher investment and targeted approaches will help engage and serve HTR and underserved businesses.
Program Description: SDREN's Market Access Program will provide performance-based incentives to project developers (aggregators) who deliver projects that realize peak demand reductions and verified energy savings. The program will utilize a population NMEC methodology to verify savings while paying incentives based on TSB achieved, encouraging long-life measures that deliver maximum grid benefit. The program will develop a suite of tools for aggregators to use to identify high opportunity projects at facilities with significant summer and year-round peak demand reduction potential, estimate energy savings, and secure incentives. Local trusted entities will lead customer engagement to high opportunity businesses, with a focus on HTR and underserved businesses. Aggregators will develop project opportunities and offer customizable services and financial benefits to participating businesses. This will influence businesses to implement identified energy measures. Since incentives will be delivered to aggregators based on NMEC-verified benefits to the grid, aggregators are encouraged to ensure projects realize or exceed anticipated energy savings.	

<table>
<tr><td colspan="2">Sample EE measures include HVAC replacement, HVAC controls, variable frequency drives (VFDs), lighting replacement, lighting controls, building envelope, and refrigeration.</td></tr>
<tr><td>Intervention Strategy: Downstream – population-level normalized metered energy consumption (NMEC).
Aggregator network: the program will maintain a network of qualified aggregators that operate in the marketplace to identify and install EE projects in exchange for performance-based incentives.
Performance-based incentives: the program will provide performance-based incentives to aggregators based on achieved TSB for their portfolio of projects.
Tax provision education: The program will educate aggregators on available EE tax provisions, including the 179D Energy Efficient Commercial Buildings tax deduction, which was recently enhanced by IRA, in order for aggregators to bundle ratepayer-funded incentives with tax deductions to improve project cost-effectiveness.
Targeted outreach: the program will partner with trusted local entities to develop materials and outreach strategies for HTR and underserved businesses.</td><td>Program Metrics:
kWh
kW demand savings
Therms
TSB
Annual GHG savings
Number of participating businesses
Number of projects installed
Number of aggregators enrolled
Dollar amount of incentives disbursed to aggregators
Number of local entity partnerships</td></tr>
<tr><td colspan="2">High-level description of delivery workforce including necessary scale and its risks: Program success will rely on the availability of qualified aggregators. The delivery workforce will include implementer staff, equipment vendors, and local trusted entities for outreach. There are no known workforce risks for successful implementation of the program.</td></tr>
<tr><td colspan="2">Market actors necessary for success:
Third-party implementer(s).
Aggregators and contractors.
EE equipment vendors.
Local trusted organizations for outreach.</td></tr>
</table>

Solicitation Strategy: Third-party solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - ongoing	**Short Term Plan:** Ramp up third-party program to full implementation to deliver year-round peak demand reduction.
Cost Effectiveness: 4 year TRC: 0.43	**Long Term Outlook:** ● Year-round peak demand reductions are delivered. ● Delivered TSB exceeds program costs.
Proposed Annual Budgets for 2024-2027: **2024:** $2,102,000 **2025:** $4,343,600 **2026:** $4,777,960 **2027:** $5,255,756 **2024-2027 Total:** $16,479,316	**Anticipated directional and scale changes in budget for years 2028-2031:** SDREN will continue to maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

Cross-Cutting Sector – Codes & Standards

Market Characterization

The Codes and Standards (C&S) community is multi-faceted and involves a diverse array of stakeholders including local agency building department staff (who play a pivotal role in the energy code enforcement), building owners, contractors, developers, architects, mechanical engineers, and energy code consultants. The interactions among the various players are integral to achieving energy code compliance and enforcement.

Energy codes and energy technologies in new and existing buildings are growing more complex. This complexity is closely tied to the growing trend toward hyper-efficiency and the trend toward the "electrification of everything" as we modernize the electrical grid and strive to meet air quality standards. Permit agency staff and the broader C&S community need new knowledge, training, and experience to keep up. They must become well-versed in the selection, installation, and operation of heat pump water and space heating equipment, distributed renewable generation, battery storage, electric vehicle (EV) charging, real-time energy management systems, low-carbon construction materials, passive construction practices, and many other emerging building technologies.

Local governments are increasingly asserting their leadership in the realms of energy efficiency and decarbonization practices. Their authority over construction, land use, and the implementation of model codes, standards, and policies position them as catalysts for

enhancing building energy performance. Their regulatory leadership will propel communities toward more sustainable construction and contribute to state and local policies accelerating cleaner, more energy efficient practices within their jurisdictions.

C&S Sector Goals, Objectives and Strategies

SDREN's Codes and Standards (C&S) interventions are designed to work in harmony with SDG&E's C&S programs, statewide IOU programs, the CEC's building and appliance standards, CARB's evolving scoping plan, and regional climate policy. By complementing and supplementing existing initiatives, SDREN aims to strengthen collective impact on the C&S landscape.

The C&S landscape needs a localized program approach, particularly in light of current gaps, barriers, and challenges for permitting agencies. These agencies require tailored support to navigate the intricate energy code compliance landscape effectively.

SDREN, as a local government-led network, is poised to play a pivotal role in assisting local government agencies with energy code compliance. SDREN's support will include collecting and evaluating building stock characteristics, energy use patterns, and building permit data. SDREN will champion advanced energy codes and requirements, setting the stage for a decarbonized energy future.

Energy use in California is shifting toward full electrification of buildings and transportation. The recent influx of federal and state funding is hastening this transformation, which will hinge on the adoption of advanced, efficient, and integrated energy technologies. To meet the state's climate goals and support the transition to a clean energy future, permitting processes must not prohibit large-scale adoption of these technologies.

To address these needs, SDREN's proposed energy code coach services will be a focal point of the sector. These services will target gaps and overcome barriers that previous C&S programs have insufficiently addressed. The program will emphasize smaller and rural permitting agencies that face more capacity and resource constraints than their larger counterparts to ensure they can access tools and knowledge to overcome these constraints. By promoting local activities and addressing agency-specific limitations, SDREN's program will create a more equitable and comprehensive C&S landscape in support of energy code compliance and a decarbonized energy future.

Table 29. C&S Goals, Objectives, and Strategies

Goals	Strategies	Objectives
Provide permitting agencies and the C&S community with actionable resources to improve energy code systems and compliance, reducing energy	• Coordinate with the C&S community to simplify and streamline permitting processes while demonstrating the economic benefits of	• Provide the C&S community with actionable resources that enable them to achieve high-performing and resilient buildings by improving permitting,

consumption and GHG emissions in buildings and supporting the state's energy efficiency and GHG goals.	enhanced energy code compliance. ● Create a suite of tools, technical resources, and templates, including an energy code coach, to support the C&S community, industry groups, trade allies, and their supply chains to accelerate building and transportation systems electrification and the adoption of emerging clean energy technologies.	inspection, and enforcement compliance outcomes. ● Streamline the permit review and approval processes to facilitate the inclusion of energy resiliency and climate adaptation design elements, including DERs, in new and existing buildings. ● Coordinate with the C&S community to enhance consumer protections, increase affordability of high-performance buildings, and prevent unjust or inequitable implementation of energy codes and policies.
Assist public agencies in compiling and utilizing building stock and C&S data to enhance energy code compliance and facilitate adoption and implementation of advanced energy codes and policies.	● Implement data-driven training strategies to build the staff capacity, competency, and permit agencies' efficiency, making use of building stock and C&S data. ● Provide access to residential and commercial energy benchmarking and energy performance standards tools and software to increase energy performance outcomes in new and existing buildings. ● Create feedback loops from C&S activities that lead to comprehensive strategies across SDREN offerings.	● Enable public agencies to leverage digitized data collected from their permitting activities to inform their energy resiliency action plans and energy/GHG reduction targets and strategies. ● Enable C&S community to reduce energy costs while improving building health and functionality through assistance with EE, load reduction strategies, and beneficial electrification approaches, which help mitigate costs from time- and location-dependent electricity pricing.

Promote the adoption, implementation, and enforcement of advanced energy codes, standards, and policies that lead the way for improved building energy performance and accelerate the decarbonization of building construction practices.	• Assist with and advocate for the development and adoption of reach codes, model codes, and advanced energy regulations/policies. • Provide comprehensive support to local permit agencies for the implementation of advanced energy codes. • Assist in the development of compliance strategies, enforcement strategies, and effective tracking mechanisms for advanced energy codes. • Leverage state and federal funding and technical analysis to develop equitable policies aligned with Justice 40, the ESJ Action Plan 2.0, and the DOE Affordable Home Energy Shot.™ • Provide educational information to the C&S community about the phase out of HFCs and low-GWP refrigerant alternatives.	• Coordinate and promote the adoption of advanced energy codes that pave the way for improved building performance and increased prevalence of decarbonized and zero net energy (ZNE) buildings. • Facilitate and advocate for local building performance standards (BPS) and building benchmarking requirements that will improve the efficiency, comfort, economics, and health of buildings. • Lead regional efforts to attract funding and technical expertise for policy development and deployment. • Promote and facilitate regional policies that support adoption of efficient heat pump-based space and water heating systems to replace methane-gas-based systems in both new and existing buildings.

C&S Sector Coordination

SDREN acknowledges that cross-sector coordination is essential to empowering local governments and their constituents to lead the way towards a clean energy transformation within their communities.

Local governments have significant legal purview through their permitting authority to improve the way energy is generated and used within their communities. Land-use policies, building codes, and other regulations can improve the performance of new and existing buildings.

SDREN's C&S program will harness strong relationships with local governments to support portfolio success across sectors and segments. SDREN will create a resource hub for referring C&S program participants to other program opportunities.

SDREN is committed to harmonizing its efforts with all statewide codes and standards programs, including any San Diego County-specific programs implemented by SDG&E or local government permit agencies. SDREN will collaborate with SDG&E to ensure that SDREN's C&S services will augment and not duplicate the C&S programs and services already available in the County of San Diego. SDREN will also coordinate with statewide residential and commercial new construction programs and C&S programs administered by other RENs, particularly with BayREN, to build on their C&S experience and lessons learned. SDREN will collaborate with professional associations for building officials and building departments, statewide professional groups, and associations that focus on education and cooperation between permitting agencies and building permit/code compliance professionals. (See the C&S Segment-specific coordination discussion in the Codes & Standards program section above).

SDREN will forge partnerships with the administrators of energy benchmarking and energy performance standards tools and software. These partnerships will empower local permitting agencies to improve energy performance in new and existing buildings, align with the clean energy objectives in their communities, and create tailored solutions for underserved and HTR communities. Through this comprehensive approach, SDREN will foster a unified, cohesive, impactful, and just transformation toward cleaner and more efficient energy practices.

Categorization by Segment

Additional details on SDREN's segmentation justification at the program-level can be found in *SDREN 2024-2031 EE Application Excel Sheets - 20 Segmentation Justification Attachment A*.

Table 30. C&S Sector Program Categorization by Segment

Program	Segment	Justification
Codes and Standards	Codes and Standards	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinate with other programs and entities to support the state's policy goals.

C&S Sector Program Details

Table 31. Program Card for C&S

Program Name: Codes & Standards
Program ID: SDREN-01-CS-CSS **New/Existing: New** **Link to implementation plan if existing (see D.21-05-031): N/A**

Portfolio Segment: Codes and Standards	**Implementation Party:** Third-party Implementer
Applicable Sector: Cross-Cutting	**Market Sub-Sector:** Cross-Cutting
Sector Challenge: ● Energy codes are complex and local government staff lack sufficient capacity and time to understand the codes and implement effective review and enforcement mechanisms. ● Energy efficiency is typically not a high priority for building departments, permit applicants, or within the C&S community. This results in missed opportunities for significant energy savings. ● There is a lack of resources for training, capacity, and technical support to build local government staff expertise, impeding their capacity to meet evolving energy code requirements. ● Increasingly stringent energy codes create compliance gaps, hindering the state from reaching decarbonization and greenhouse gas reduction goals. ● Future code cycles will incorporate requirements for building and transportation electrification, demand flexibility, indoor air quality, and grid interactive buildings, which will necessitate education for permitting agencies and their staff. ● Many types of projects (HVAC, water heating, etc.) have low permitting rates. This not only diminishes potential energy savings but also complicates code enforcement efforts, which play a vital role in energy efficiency. ● Most local governments lack the capacity and confidence to lead by example in advanced energy codes	**Sector Opportunity:** ● Conducting a needs assessment to identify C&S compliance gaps and barriers among local permitting agencies. ● Ongoing technical assistance, training, tools, case studies, peer-to-peer learning, and online resources can help local building department staff and permit applicants understand and comply with current and future energy codes and standards. ● An energy code coach can fill gaps in building department code comprehension and capacity. They can serve as a dedicated expert to assist local agencies with effectively implementing energy codes. ● Leverage SDCP's Building Housing Stock Analysis currently underway to inform strategies. ● Data-driven assistance with advanced energy codes, building performance requirements, and benchmarking requirements will encourage local leadership in energy efficiency, passive design, and ZNE construction. ● Energy code comprehension and compliance within the C&S community (developers, contractors, architects, engineers, property owners, etc.) can be enhanced through technical information, online and in-person education and training, and more effective code compliance assistance. This approach will create a more informed and compliant industry.

and standards for new and existing buildings, which is important for broader compliance. ● There is frequently a disconnect between new energy code development, adoption, and enforcement. The disconnect can lead to confusion and delays in code implementation. ● Energy code requirements vary by permit scope, climate zone, and building or site attributes. Moreover, energy code interpretation and enforcement varies by jurisdiction. These nuances and variability can lead to confusion and inconsistencies. ● There is no transparent data available on local building stock. Better data could inform permitting and code compliance actions and reduce energy use and GHGs in the building sector. ● Over the next several years, billions of dollars in new federal and state funding are earmarked for electrification and efficiency retrofits to existing buildings (with a major emphasis on income-qualified households), which will create significant new workload for permitting agencies.	● The compilation and evaluation of accurate, digitized, and standardized permitting and compliance data will drive better local decision-making and better energy performance in new and existing buildings. ● Given the expected influx of federal and state funding for electrification and efficiency retrofits in the coming years, permitting agencies must prepare in advance. This will ensure they can efficiently review and approve the significant number of new projects that are coming soon. Preparation will mitigate workload impacts and result in more efficient and well-managed building projects.
Known Equity Concerns in the Selected Markets: One pressing equity concern in the market is the issue of low compliance with energy code performance requirements, which leads to increased energy consumption and less healthy, safe, and comfortable living and working environments. This disproportionately affects vulnerable communities, further exacerbating existing disparities in access to energy efficient and comfortable spaces. Low-income building owners and occupants are often confronted with significant financial	**Proposed Solutions to Equity Concerns:** The program recognizes the potential for substantial improvements in code compliance and building performance through improved, more efficient, and more effective practices by permitting agencies. Permitting agencies can ensure codes are followed by improving their processes, resulting in higher-performing buildings that are more energy efficient and provide healthier, safer, and more comfortable environments for occupants.

constraints. As a result, they may be more likely to perform unpermitted work within their buildings to reduce immediate costs and bypass code compliance requirements.	To address equity concerns, the program places a strong emphasis on implementing building permit services and offering technical assistance designed for underserved, HTR, and disadvantaged communities. This approach will help alleviate customer trepidation often associated with the permit process, which can disproportionately affect these communities. In collaboration with the statewide Codes and Standards Enhancement (CASE) team and research institutions, the program will develop grid-friendly electrification opportunities that provide building owners and residents with shared economic benefits. In doing so, SDREN expects to significantly reduce the prevalence of unpermitted work in underserved, HTR, and DAC communities. Increased compliance will ultimately enhance energy efficiency, health, and safety. By directly engaging with communities and providing tailored support, the program seeks to bridge gaps in access to energy efficient and quality building practices, promoting a more equitable and sustainable future for all of San Diego County.
Program Description: The Codes and Standards (C&S) program will complement existing statewide and regional investor-owned utility programs and fill gaps in services for local governments and the C&S community. This program will engage and support local government permitting agencies to help them enhance energy code compliance and embrace advanced energy codes, standards, and policies. By doing so, the program seeks to significantly reduce energy consumption and GHG emissions, accelerating local government leadership in energy efficiency. This program is committed to providing local agencies and the C&S community with data-driven and actionable resources. These resources will bolster understanding of energy codes, increase compliance, decrease energy consumption within buildings, and support the state's energy efficiency and GHG reduction goals. The C&S program will help public agencies collect and use data on the age and condition of building stock, comparative energy usage within building sectors, and permit issuance and enforcement processes. This data will inform energy code compliance efforts and help identify the most promising opportunities for reach codes and policies.	

Intervention Strategy: Downstream – technical assistance, education, training, and outreach. ● **Design and deliver a comprehensive needs assessment** that will serve as the foundation of the intervention strategy. It will analyze permitting trends, identify gaps in current local government permit processes, and flag barriers to improved energy code compliance. ● **Provide targeted education, tools, training and resources** to local governments and C&S community stakeholders, including access to an energy code coach, to improve energy code compliance and effectiveness. ● **Leverage existing data resources** and existing tracking mechanisms to measure and analyze code compliance and code development interventions that are supported by the program. This data-driven approach will provide insights and feedback for continuous improvement. ● **Provide information, analysis, and technical assistance** to design, adopt, and implement advanced energy codes, benchmarking and energy audit requirements, buildings emissions performance standards, and other model approaches to lowering energy usage and GHGs (including low-GWP refrigerants) in new and existing buildings. ● **Activate and engage key stakeholder representatives** in disadvantaged and HTR communities to aid in the development and delivery of programs. This approach will foster a sense of community ownership and will ensure interventions are tailored	**Program Metrics:** ● Number and percent of local government permitting agencies receiving C&S program services. ● Number and percent of local governments who adopt model energy codes and advanced energy policies/standards. ● Magnitude of improved code compliance and closed permit outcomes by participating local governments. ● Number and percent of local governments who implement improved permit data collection, tracking, and analysis to enhance energy code compliance outcomes. ● Number of training activities (classes, webinars, workshops, etc.) held and number of participants by category. ● Number and percent of permitting agencies who receive assistance from an energy code coach.

to the specific needs and concerns of participating communities.	
High-level description of delivery workforce including necessary scale and its risks: The program implementer staff will play a crucial role in leading participants through the program's offerings and services, acting as guides and facilitators. The program will leverage specialized subject-matter practitioners who are engaged by the implementer to provide comprehensive training and energy code coaching. The program will also leverage specialists to support data compilation, data analysis, and education and training.	
Market actors necessary for success: The primary actors for the C&S program are local government departments/divisions that are responsible for building permit issuance and enforcement. Within most agencies this would include building and safety, community development, planning, and any other departments responsible for developing, overseeing, and enforcing statewide and local building standards and ordinances. Practitioners (developers, contractors, architects, engineers, etc.) who apply for permits that trigger energy code requirements are also market actors necessary for the program's success, as well as third-party implementer(s).	
Solicitation Strategy: Third-party solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - Ongoing	**Short Term Plan:** The program will launch in 2024 and ramp up implementation through 2027 to reach and serve the entire service area.
Cost Effectiveness: TRC: N/A	**Long Term Outlook:** ● Capacity and competence of local permitting agencies to review, inspect, and enforce energy code compliance will increase. As a result, local communities will experience improved energy efficiency, leading to more sustainable and comfortable buildings. ● As new and more stringent energy code requirements spread throughout the state, local permitting agencies will be capable of achieving broad compliance with the new standards, while contributing benefits to the entirety of the energy system. This will result in adherence to energy codes

	and contribute to the state's energy and climate goals. ● The C&S community will increase understanding of and adherence to energy code requirements. They will actively support more energy efficient and lower GHG construction practices.
Proposed Annual Budgets for 2024-2027: **2024:** $934,000 **2025:** $1,930,500 **2026:** $2,123,550 **2027:** $2,335,905 **2024-2027 Total:** $7,323,955	**Anticipated directional and scale changes in budget for years 2028-2031:** Continue to maintain program steady-state beyond 2027.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

Cross-Cutting Sector – Workforce, Education & Training

Market Characterization

SDREN recognizes that the building sector is undergoing a fundamental transformation towards electrification and decarbonization. These changes will have a profound impact on the job market, influencing both workforce requirements and workforce development.

The move towards electrification brings with it a growing demand for a workforce with specialties such as HVAC technicians, certified electricians, building automation and controls specialists, and plumbers as outlined in the table below. At the same time, existing jobs in legacy industries, such as oil and gas, may be affected. One study cited that reducing commercial and residential gas usage by 30% could result in 6,200 fewer gas extraction jobs in California.[48] California's move toward clean energy introduces both opportunities and challenges for the workforce.

Studies have forecasted a significant shortage of workers with essential skills needed to support the transition to a clean energy future. The UCLA Luskin Center for Innovation completed a study in 2019 detailing employment impacts of building decarbonization, which requires both energy efficiency improvements and reducing the use of fossil fuels, including methane gas. Their analysis concluded that electrifying 100% of California's existing and new buildings by 2045 would require over 100,000 additional full time workers in the construction industry and up to 4,900 additional full-time manufacturing workers.[49] This shortage underscores the urgency of developing a skilled workforce across San Diego County, where over 8% of Californians reside.

[48] California Building Decarbonization Workforce Needs and Recommendations, UCLA Luskin Center for Innovation, Executive Summary pg. 4.
[49] Ibid.

Table 32. Average number of jobs created in the San Diego region annually through energy demand expenditures from 2021-2030, by subsectors and technology. Figures assume 1 percent average annual productivity growth.[50]

Investment Area	Average Annual Expenditure	Direct Jobs	Indirect Jobs	Direct and Indirect Jobs	Induced Jobs	Direct, Indirect, and Induced Jobs
Vehicles	$7.7 billion	3,427	1,427	4,854	1,508	6,362
HVAC	$897.0 million	1,345	699	2,044	764	2,808
Refrigeration	$761.9 million	1,315	491	1,806	711	2,517
Appliances	$188.6 million	143	77	220	78	298
Construction	$113.4 million	263	149	412	146	558
Lighting	$106.6 million	177	95	272	100	372
Manufacturing	$45.7 million	40	32	72	27	99
Other Commercial and Residential	$38.9 million	59	30	89	33	122
Agriculture	$17.2 million	144	21	165	45	210
Mining	$2.4 million	1	1	2	1	3
Total	**$9.9 billion**	**6,914**	**3,022**	**9,936**	**3,413**	**13,349**

As we seek to electrify and decarbonize our buildings, SDREN will provide comprehensive training for the existing workforce and will prepare new workers to enter the industry, ensuring a pipeline of skilled professionals for the clean energy sector.

The transition toward decarbonized buildings, coupled with substantial investments in a clean energy economy (e.g. IRA and the Equitable Building Decarbonization Program), will require a

[50] IMPLAN 3.1

skilled workforce. In response to these needs, SDREN is committed to investing in workforce development through its programs, ensuring that all San Diegans have the opportunity to participate in the industry or acquire the new skills needed to support the transition to a clean energy economy.

WE&T Sector Goals, Objectives and Strategies

SDREN will deliver impactful workforce, education, and training programs focused on individuals in HTR, disadvantaged, and historically underserved communities. These programs will teach the necessary skills through comprehensive training and development opportunities to meet the future regional needs of the energy, electrification, and decarbonization career sectors, resulting in increased career opportunities.

SDREN's programs will train workers to identify, develop, fund, and implement energy savings across buildings and facilities.

The proposed programs focus on ensuring workers from HTR and underserved communities have access to certification, apprenticeship, education, and skill development opportunities to set them up to access high-quality jobs and ensure the San Diego region has skilled workers to meet future needs.

Table 33. Cross-Cutting WE&T Goals, Objectives, and Strategies

Goals	Strategies	Objectives
• Expose high school students to energy/green career pathways. • Encourage students to enroll in Science, Technology, Engineering, Arts, and Mathematics (STEAM) college courses. • Build students' connections with employers to boost their interest in a career within the green workforce.	• Target high school students in disadvantaged and HTR communities to promote program equity and skill development opportunities in areas with fewer resources and historic underinvestment. • Partner with local community college districts to provide college-level courses and skill development opportunities to enhance employment opportunities. • Partner with local employers to connect high school students with employers for coaching and mentorship opportunities.	• Build pathways for high school students to enter the green workforce with knowledge of industry practices and network connections. • Prepare students with on-the-job energy and green workforce skills for a smoother entry into the green workforce. • Increase the number of students interested in pursuing energy and green careers. • Build career pathways and a network of high schools and colleges as feeders to employment opportunities.

● Build participant workforce development capacity in the region. ● Enhance workforce training pathways through existing employers. ● Strengthen employee skill sets by focusing on entry-level energy and green job skill development for workforce participants. ● Support participating employers' internal professional growth focused on green careers.	● Provide training, certifications, networking, and apprenticeship opportunities to build skills for participants to enter the clean energy workforce. ● Provide wraparound services such as career coaching and mentorship to match participants with employers to secure jobs. ● Survey local employers to determine emerging industry careers and necessary skills for incoming professionals to succeed. ● Work with employers to design and deliver employee training to boost internal growth opportunities and employee retention. ● Guide employers to develop new policies to encourage employee training opportunities, funding for external training (e.g., the IRA-funded Home Energy Efficiency Contractor Training Grants), and time allocation for skill development. ● Target employees at CBOs, public agencies, contractors, and labor unions for workforce training pathways. ● Explore worker placement programs to build capacity and support workforce development. ● Coordinate closely with SDREN programs, with a focus on residential	● Increase the supply of skilled employees entering into the energy and green workforce. ● Increase access to opportunities for job training, certifications, and apprenticeships. ● Provide one-on-one career pathway assistance to support entry into the workforce. ● Benefit future generations and build career opportunities within the green workforce. ● Work with employers to develop customized internal training to boost employee skills. ● Coordinate with certification and apprenticeship opportunities to boost internal employee skill development. ● Increase participating employers' staff retention and internal promotional opportunities. ● WE&T program participants support other SDREN programs.

	programs, to create placement opportunities for trained workforce	

WE&T Sector Coordination

SDREN anticipates coordination efforts with the following approved SDG&E, statewide, and regional programs:

- **Career Connections** - **Energy is Everything**, a statewide program administered by PG&E, provides standards-aligned, K-12 STEM, energy and environmental-focused curriculum and lesson supplies to educators statewide at no cost. The program also offers high school internships focused on energy and water audits to help students gain relevant industry skills. SDREN will coordinate on services, shared partnerships, internships, and/or job opportunities for program participants.
- **Career & Workforce Readiness - Energize Careers**, a statewide program administered by PG&E, provides holistic services to support disadvantaged workers through technical training, job placement, and wrap-around support. Energize Careers partners with regional contractors, pre-apprenticeship programs, apprenticeship programs, community-based training organizations, and community colleges.
- **SDG&E Workforce, Education, & Training,** provides no-cost online energy classes that are readily available for skill development.
- **Construction Career Jumpstart Program,** a regional program administered by San Diego Workforce Partnership, provides a four-week paid, hands-on program covering the fundamentals of a construction skilled trade position, including safety, trenching, jackhammering, proper usage of power tools, and other essential skills. Trainees are certified in several skills upon graduation.
- **Apprenticeship Readiness Program,** a regional program administered by San Diego Workforce Partnership, provides the opportunity to explore various career/trade options while providing participants with the skills needed to get started in a construction career. The program utilizes the Multi-Craft Core Curriculum (MC3), which provides an overview of what each trade does and the qualifications and skills needed. This program offers an introduction to the tools of the trades, builds math skills, teaches workplace safety, and more.
- **California Climate Action Corps,** a statewide program administered through California's Office of the Governor, places fellows across California to work with public agencies, non-profits, CBOs, universities, colleges, school districts, and Tribes. The fellows gain training and work experience while supporting state climate action goals focused on wildfire resiliency, urban greening, organic waste diversion, and edible food recovery.
- **Sustainability Service Corps,** a statewide program administered by Bay Area Community Resources, places fellows across California to work with public agencies, non-profits, CBOs, universities, colleges, school districts, and Tribes. The fellows gain training and work experience in energy and environmental capacity building.

- **CivicSpark**, a statewide program administered by the Local Government Commission, places fellows across California to work with local governments. The fellows provide capacity building support to agencies addressing climate change, water resource management, affordable housing, and mobility resilience challenges within their jurisdiction. CivicSpark is implemented in partnership with California's Office of Planning and Research and CaliforniaVolunteer.

Upon Business Plan approval, SDREN will file a JCM with SDG&E to outline coordination protocols between programs and ensure services fill gaps, meet regional needs, and avoid duplication. Additional stakeholders SDREN will coordinate with that do not fall under the JCM include regional employers, college districts, and high schools.

SDREN will also monitor the market and coordinate with other programs to leverage complementary offerings and supplement program services. This includes:

- **Leverage:**
  - Career Connections - Energy is Everything to align on shared partnerships and services provided.
  - SDG&E to highlight potential internship or job opportunities for SDREN program participants.
  - Career & Workforce Readiness - Energize Careers and other WE&T programs to share strategies and expand resources across the entire region. Partnership with Energize Careers will foster self-sustaining collaborations to train partners and industry partners.
- **Stack:**
  - Opportunities available to high schools and students served through Career Connections - Energy is Everything program to offer community college courses (CTE).
  - Opportunities available to employers by connecting them with programs such as Energize Careers for placement opportunities. Coordinate training resources, including custom training offerings offered directly through employers.
  - Sector-wide WE&T offerings through coordination on program-specific curriculum development and collaboratively filling gaps.

Categorization by Segment

Additional details on SDREN's segmentation justification at the program level can be found in *SDREN 2024-2031 EE Application Excel Sheets - 20 Segmentation Justification Attachment A*.

Table 34. Cross-Cutting WE&T Programs Categorization by Segment

Program	Segment	Justification/Primary Goal
Energy Pathways Program	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build

		long-lasting careers, and form a robust professional network.
Workforce Training & Capacity Building	Market Support	Build capacity in the region by working directly with individuals and employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.

WE&T Sector Program Details

Table 35. Program Card for Energy Pathways Program

Program Name: Energy Pathways Program	
Program ID: SDREN-01-WET-EPP **New/Existing: New** **Link to implementation plan if existing (see D.21-05-031): N/A**	
Portfolio Segment: Market Support	**Implementation Party:** Third-Party Implementer
Applicable Sector: Cross-Cutting: Workforce, Education, & Training	**Market Sub-Sector:** Workforce, Education, & Training
Sector Challenge: ● High school students often need academic prerequisites or specific skills to pursue energy-related careers. ● Costs and the competitive nature of higher education and energy-related training programs that many energy careers require can be a significant barrier to entering the sector. ● High school students may not be aware of energy career opportunities and the pathway to an energy career. ● The energy industry can be highly competitive with limited job openings. High school students often need extra skills to distinguish themselves and secure job opportunities. ● The perceived value of working in construction and other skilled trades is low, reducing the number of	**Sector Opportunity:** ● Services that inform high school students of energy career pathways and skills to support their interest in entering the energy sector. ● Incorporating a standards-aligned curriculum and career technical education (CTE) with employment opportunities and postsecondary training. ● Programs that connect high school students to dual enrollment in college courses and/or other academic offerings to provide industry knowledge and the technical skills (including IDSM education/training opportunities) required to enter the workforce. ● Connect high school students directly to employers in their area to provide

individuals interested in entering this field. For those interested, understanding how to access these trades is limited and pathways for entry can be complicated.	mentorship, coaching, and career guidance focused on industry skills, terminology, and career pathways. ● Provide or connect high school students with paid internship opportunities to build skills, create network connections, and increase industry knowledge. ● Inform high school students of industry trends and the value and earning potential of energy careers through networking with professionals to support them in navigating their career paths. ● Create or connect high school students to scholarship opportunities to pursue higher education, industry technical skills certification, or apprenticeships in STEAM or IDSM fields. ● Access to resources such as financial aid through college partners, private scholarships, stipends for opportunity youth, and paid internships. ● Leverage supplemental funding opportunities to enhance or expand STEAM or IDSM program services (as available).
Known Equity Concerns in the Selected Markets: There is a lack of access to Science, Technology, Engineering, Arts, and Mathematics (STEAM) programs for high school students, especially in disadvantaged and HTR communities. Because access to these skill-building pathways is limited, marginalized communities in the energy and STEAM industries are affected. Representation in the field matters, and high school students may be discouraged from pursuing careers in energy if they do not identify with the current industry makeup.	**Proposed Solutions to Equity Concerns:** This program will focus on disadvantaged HTR communities and Title I high school students to provide access to STEAM educational opportunities. By connecting high schools to no-cost educational resources, paid internship opportunities, and professional networks, eligible high school students will access a network of diverse (gender and ethnicity) energy/green professionals to act as coaches and mentors, provide guidance, and encourage them to pursue careers in energy. The program will provide one-on-one support to help identify career pathways, navigate

	course selection and enrollment, and secure paid internships that will reduce equity concerns and barriers to participation. Multilingual educational outreach materials and program documents will meet HTR high school students where they are and build the skilled worker pipeline for local employers.
Program Description: SDREN's proposed Energy Pathways program will increase access to education and training resources to develop students' awareness of energy/green career pathways, help them learn the skills to enter the workforce, and provide sector-specific information. The Energy Pathways program will provide high school students in the San Diego region with a standards-aligned curriculum focused on career technical education. Successful program implementation will build a bridge connecting participants to local employers within the energy, electrification, and decarbonization sectors. Participants will have access to a diverse network of mentors and coaches to provide one-on-one guidance and educate them on the value of energy/STEAM career pathways. This personalized mentorship will focus on navigating the job market, building a network, resume development, interviewing skills, financial education, and industry-specific knowledge based on their desired field of employment. Partnerships with local higher education institutions will enable eligible students to enroll in college-level courses that boost their industry knowledge and technical skills to prepare them for the workforce at no cost. Students facing monetary barriers will be connected to additional resources such as financial aid through college partners, private scholarships, stipends for opportunity youth, and paid internships.	
Intervention Strategy: Downstream – Technical assistance, education, training, and outreach. ● **Deploy a needs assessment** to inform content development and identify job trends, skills gaps, and barriers to accessing entry-level positions in STEAM careers, including IDSM pathways. ● **Deliver no-cost** standards-aligned curriculum and career technical education in partnership with local education agencies. ● **Create placement opportunities** for program graduates within full-time high-quality jobs (e.g., fellow to full-time work placement, an electrician at the local utility, etc.).	**Program Metrics:** ● Number of high schoolers enrolled in programming. ● Number of training hours provided. ● Number of DACs/HTR or Title I schools participating. ● Number of mentors/coaches matched with high school students. ● Number of college courses completed. ● Number of internships, certifications, or apprenticeship opportunities provided. ● Percentage of knowledge and skills gained from program participants. ● Dollar amount of supplemental funding leveraged. ● Long term: Percentage of participants entering into the

• **Leverage existing data** resources and tracking to measure and analyze energy career trends and future industry needs. • **Engage key stakeholders** (employers, high schools, and colleges) in local communities to support program development and delivery. • **Develop a one-on-one coaching/mentorship network** with local employers. • **Build articulation agreements** between participating high schools and local colleges to support dual enrollment in STEAM college courses at no cost. • **Develop certification opportunities** for high school students to boost their employability and match students to paid internships, trade, school, or apprenticeship opportunities. • **Build a network and career pipeline** between high schools, colleges, trade schools, and local employers and offer networking events to make direct connections.	energy/STEAM/IDSM career sector, if the program is able to track.
High-level description of delivery workforce, including necessary scale and its risks: The delivery workforce will include SDREN's program implementation staff to lead program participants through offerings and services. Other workforce members include high school educators facilitating program delivery after participating in train-the-trainer exercises, faculty/staff within partner organizations (local colleges, trade schools, and apprenticeships), and local employers in our network of mentors/coaches. No risks were identified regarding the delivery of workforce for this program.	
Market actors necessary for success: Third-party implementer(s), high school administrators, high school teachers, high school career counselors, high school students, local college district partners, and local energy employers/employees as mentors and coaches.	
Solicitation Strategy: Third-party solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - ongoing	**Short Term Plan:** Launch the program in 2024 and ramp up implementation through 2027 to reach and serve the entire service area.

Cost Effectiveness: TRC: N/A	**Long Term Outlook:** ● Increase the pipeline of skilled local workers in clean energy jobs (e.g. STEAM, ISDM). ● Increase the opportunity for youth in HTR and underserved communities to build skills, overcome barriers to high-quality jobs, and create a representative workforce.
Proposed Annual Budgets for 2024-2027: **2024:** $934,000 **2025:** $1,930,500 **2026:** $2,123,550 **2027:** $2,335,905 **2024-2027 Total:** $7,323,955	**Anticipated directional and scale changes in budget for years 2028-2031:** SDREN will continue to maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

Table 36. Program Card for Workforce Training and Capacity Building

Program Name: Workforce Training and Capacity Building	
Program ID: SDREN-02-WET-BRC **New/Existing: New** **Link to implementation plan if existing (see D.21-05-031): N/A**	
Portfolio Segment: Market Support	**Implementation Party:** Third-party implementer
Applicable Sector: Cross-Cutting - Workforce, Education, & Training	**Market Sub-Sector:** Workforce, Education, & Training
Sector Challenge: ● Most clean energy careers require specialized education or training. Adult workers new to energy and incumbents may need new skills or certifications, which can be time-consuming and costly. ● Specialized skills and certifications are expensive for employees, and they may be unable to invest their own	**Sector Opportunity:** ● Provide workers with no or low-cost specialized skill training, certifications, networking, and apprenticeship opportunities to build skills to enter the clean energy workforce. ● Create no-cost employer-led EE and IDSM training programs for essential and emerging industry skills. Connect employees to external certifications and skill-building opportunities.

money into training due to other pressing financial considerations. ● Inexperienced workers may struggle to find entry-level positions in the energy industry if they lack the required experience or education. They may need to start at a lower level than their previous careers, which can be financially challenging. ● Workers may not have emerging industry-specific knowledge, training, experience, or the technical skills required to maintain employment. ● Lack of disadvantaged and HTR workers with knowledge of energy efficiency, electrification, decarbonization, or green building skills makes it difficult to find local candidates for employment. Lack of access to external training resources, such as training centers or facilities, can be particularly challenging for employees in remote or less developed areas. ● High regional demand for energy efficiency, electrification, decarbonization, or green building workers in the face of an insufficient supply of skilled workers. ● Employees may struggle to find time for training within regular job duties and personal responsibilities or may not know what training will benefit career growth. ● Workplace culture may not support training and skill development, which can discourage employees from seeking opportunities on their own, especially if they do not see a direct pathway for career advancement or pay increases.	● Provide entry-level on-the-job training and wraparound services such as career coaching and mentor/mentee support by matching participants with employers to support securing jobs. ● Survey local employers to determine the emerging industry careers and necessary skills for incoming professionals to be successful in the industry. ● Increase network connections through industry events, professional organizations, networking, or shadowing professionals to build connections and gain insights. ● Directly support career preparedness training focused on resume development, interviewing skills, transferable skills, financial literacy, and networking skills. ● Support high-quality career pathways, labor standards, and job quality within clean economy careers, particularly in the residential sector. ● Develop or change employer policies on training to allocate dedicated time and funds to pursue education and training opportunities that will benefit the employees and employers. ● Increase on-the-job training and skill-building opportunities through pre-professional shadowing, expert guest speakers, and industry leaders. ● More accredited training or certification opportunities in accessible locations or online. ● Improve employer outcomes and revenues through a workforce capable of installing measures in alignment with local, state, and federal policies and funding streams (e.g. IRA-funded Home Energy Efficiency Contractor Training Grants).

	● Create career connections to opportunities within other SDREN programs.
Known Equity Concerns in the Selected Markets: A major known equity concern and barrier to entry is the cost associated with education opportunities, certification, or retraining programs. These costs can be prohibitive, particularly for those from low-income backgrounds. Workers from minority groups face challenges accessing information, training materials, or job opportunities, which reduces access to quality education and training opportunities in HTR and underserved communities. Additionally, members of marginalized communities disproportionately hold low-wage positions, perpetuating the cycle of poverty. Employer policies regarding training, hiring, promotions, and general career advancement may have biases that prevent minority employees from advancing in their positions. Further, a lack of training opportunities or knowledge of where to access training prevents career growth.	**Proposed Solutions to Equity Concerns:** SDREN seeks to bolster internal employee training and skill-building programs within energy-efficiency or IDSM-deploying employers to upskill the existing workforce and enable HTR and underserved participants to access high-quality jobs in the clean energy economy. The program will use a network of clean energy and green professionals from diverse and representative backgrounds as coaches and mentors to improve equitable access to industry-specific guidance and knowledge and support participants' long-term career success. Identifying or creating additional EE and IDSM accredited training or certification opportunities in accessible formats will ensure all program participants will benefit. SDREN will help workers in HTR and underserved communities access no-cost education and certifications. By doing so, we will also support businesses by providing on-the-job training and skill development for underserved, entry-level workers. Working directly with the workforce and employers places SDREN in a position to address equity concerns with multiple stakeholders. SDREN will encourage employers to change training policies to dedicate time and funds to education and training that will benefit the employee and employer. By creating no-cost employer-led training programs for essential and emerging industry skills, SDREN will give employees access to external certifications and skill-building opportunities directly. SDREN will provide multilingual educational outreach materials and on-the-job training opportunities through pre-professional shadowing, expert guest speakers, and industry leaders. These training opportunities

	will meet participants where they are and expand the skilled worker pipeline for local employers.
Program Description: SDREN's Workforce Training & Capacity Building program will enhance the clean energy workforce in our region, focusing on skill development for individuals interested in entering the green workforce and incumbent workers. The program will target individuals, employees/employers, boosting skills and employer capacity to work on electrification and decarbonization projects. By developing and delivering no-cost EE and IDSM training and certifications, SDREN will bolster employability, fill gaps for in-demand technical skills, and provide pathways for individuals to enter the clean energy workforce. This program will increase skills within the existing workforce, improve employee retention rates, foster participant career advancement, and provide opportunities for networking through industry events, professional organizations, and shadowing with seasoned professionals in the field. Participants will receive career coaching and mentorship focused on resume development, interviewing skills, transferable skills, financial literacy, and networking. The program will collaborate with stakeholders within clean energy, electrification, and decarbonization workforce sectors, including CBOs, public agencies, SDREN program implementers, contractors, and labor unions. Partnerships will boost growth opportunities for incumbent workers, increase retention rates for employers, and enhance employer workforce training. SDREN will guide participating employers to develop policies to promote employee training, allocate funding for external training, and set aside time for skill development.	
Intervention Strategy: Downstream – technical assistance, education, training, and outreach. ● **Develop and deploy a survey for local employers** to determine the emerging clean energy industry careers and required skills and qualifications for professionals to be successful. ● **Provide relevant training and ongoing workforce support** aligned with industry needs to build capacity in the region, supporting employers along the way. ● **Partner with local agencies to** create a network of connection resources, standardize content, and offer EE and IDSM-focused training. ● **Create opportunities** for program graduates to seamlessly transition into employment with local	**Program Metrics:** ● Number of participants trained. ● Number of jobs secured after program participation. ● Number of training hours completed. ● Number of certifications provided. ● Number of employee program participants. ● Percentage of HTR and underserved participants. ● Number of mentors/mentees. ● Percent of knowledge and skills gained related to fundamental concepts, emerging tech, best workplace practices, and utility programs. ● Number of career and workforce readiness participants who have been employed for 12 months after receiving training.

employers. Establish partnerships with employers to facilitate job placements. ● **Foster connections** between the workforce and SDREN's residential programs. ● **Create opportunities** for participants to connect with SDREN, IOU, and statewide programs to gain additional skills at no cost. ● **Explore worker placement programs** that can build workforce capacity while supporting participants skill development.	● Number of employers participating. ● Number of internal employer trainings delivered. ● Number of employer policies updated. ● Number of external training opportunities offered.
High-level description of delivery workforce, including necessary scale and its risks: The delivery workforce will include SDREN's program implementation staff to lead participants through program services. Other workforce members include local employers in the network of mentors and coaches for new and incumbent workers.	
Market actors necessary for success: Third-party implementer(s), adult workers interested in entering the energy sector, incumbent workers, local energy employers within the clean energy, electrification, and decarbonization workforce sectors, and training providers.	
Solicitation Strategy: Third-party solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - Ongoing	**Short Term Plan:** Launch the program in 2024 and ramp up implementation through 2027 to reach and serve the entire service area.
Cost Effectiveness: TRC: N/A	**Long Term Outlook:** ● Increase the skills of the local workforce and provide pathways for employment in the energy workforce within local communities. ● Substantially increase workforce skills and provide pathways for industry advancement. ● Increase employers' capacity to take on new work within the clean energy, electrification, and decarbonization workforce sectors.
Proposed Annual Budgets for 2024-2027: **2024:** $1,518,000	**Anticipated directional and scale changes in the budget for years 2028-2031:** SDREN will

2025: $3,137,000 **2026:** $3,450,700 **2027:** $3,795,770 **2024-2027 Total:** $11,901,470	continue to maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

Public Sector

Market Characterization

The public sector market is the group of customers that are taxpayer funded, have political mandates, and that must go through a public budgeting and decision-making process.[51] They are a distinct and unique segment of non-residential customers with a set of exceptional challenges and characteristics that set them apart from other customer groups.

Public agencies encounter unique challenges based on common characteristics including multiple and competing goals, lengthy procurement processes, risk aversion, and funding constraints, among many others. Given these challenges, there is significant opportunity for SDREN to help agencies overcome barriers to participating in energy efficiency programs.

Historically, SDG&E has made efforts to engage with the public sector. However, previous efforts spanning 2018-2020 only yielded 4% of SDG&Es overall portfolio energy savings, though the public sector accounts for 15% of overall system electric consumption.[52] Within SDG&E's jurisdiction there are over 14,000 public sector accounts, with a significant 77% made up of small accounts with a peak demand of 20 kW or less.[53] These small accounts often face difficulties qualifying for existing IOU resource programs, generally due to those programs' cost effectiveness requirements.

SDG&E recently closed their K-12 Energy Efficiency program and this customer group is being served by their Commercial BES program until another offering is available. This was out of SDG&E's control and was unplanned since the implementer suspended business operations.[54] Through coordination conversations with SDG&E leading up to this Business Plan submission, SDREN identified school districts in the territory as a service gap it could fill. Given this history and the persisting challenges in engaging public sector participants, SDREN identified a substantial opportunity to introduce impactful localized programs and services in this customer segment. As a result, SDG&E is not planning a new solicitation for this program, anticipating that SDREN will fill this gap if authorized.

[51] Decision Authorizing Energy Efficiency Portfolios for 2024-2027 and Business Plans for 2024-2031. Conclusions of Law #33.
[52] SDG&E Business Plan Exhibit 2 p. 163.
[53] Ibid.
[54] SDG&E AL 4302-E, pg. 29.

Public Sector Goals, Objectives and Strategies

San Diego County hosts a diverse range of public agencies which SDREN aims to support through its offerings, including:[55]

- 24 San Diego Water Authority members.
- 19 local governments.
- 42 K-12 school districts and higher education.
- 13 community service districts.
- 18 Tribal nations.

These public agencies manage a wide range of infrastructure and facilities, from police stations and schools to wastewater treatment plants and streetlights. As public assets, these facilities are essential for community well-being and highly visible and accessible to the public. This unique positioning empowers public agencies to lead by example, setting the stage for community resilience.

By completing energy upgrades, public agencies can improve reliability, support cleaner energy systems, generate cost savings, inspire local action, and boost the local economy. This vital role of public agencies within their communities underscores the importance of addressing their unique needs and challenges.

SDREN will deliver programs and services that enable public agencies to lead their communities by example to a more decarbonized, affordable, and resilient energy future. The proposed public sector programs offer a comprehensive suite of services to public agencies throughout San Diego County. These services will overcome common barriers by helping agencies identify, develop, fund, and implement energy savings opportunities across buildings and facilities, ultimately contributing to local and regional decarbonization goals.

Public agencies are instrumental in setting the example for their communities. Therefore, our programs will go beyond conventional energy efficiency and will provide agencies with valuable educational information and technical support services for IDSM strategies. These offerings empower public agencies to establish or reinforce community resilience hubs, which play a crucial role as safe havens during climate-related emergencies. SDREN is well positioned to design and implement these programs successfully as its inaugural Advisory Committee consists of representatives from public agencies that are multi-jurisdictional.

SDREN's public sector programs are designed to ensure underserved and HTR communities are not left behind in the clean energy transition. We will prioritize outreach and offer specialized services to HTR or underserved public agencies and K-12 schools to ensure that all communities in San Diego County can access the benefits of a cleaner, more resilient energy future.

[55] Federal and state are currently served by existing programs and SDREN will not focus on these agencies unless there is a request from these agencies or SDG&E to coordinate and support offerings.

Table 37. Public Sector Goals, Objectives and Strategies

Goals	Strategy	Objectives
Help public agencies address and adapt to climate change by reducing GHG emissions and increasing energy resilience.	• Technical assistance through energy efficiency audits, project management services, and incentive and financing application support to identify and fund DER projects. • Direct EE measure installations with a special focus on K-12 schools. • Portfolio analyses and benchmarking paired with community indicators to identify facilities that are good candidates for resilience hubs. • Identify and apply for outside funding sources of DER implementation including EE, renewables, etc. • Prioritize Tribal outreach to improve and increase access to programs that will provide technical assistance and support implementation of shovel-ready EE projects. • Support transition away from HFC refrigerants by providing education about low-GWP alternatives. Customers will receive relevant measures or recommendations with technical assistance. • Coordinate with the C&S community to simplify and streamline permitting processes for IDSM and DERs.	• Agencies improve their energy resilience and preparedness for climate-related emergencies. • Decarbonization of agency facilities and assets by implementing DER projects including EE, solar, battery storage, EV charging, DR program enrollment, etc. • Agencies lead their communities by example. • Agencies receive capital to fund their decarbonization and energy resilience projects. • Energy bill reductions are achieved. • Serve diverse and HTR communities.

Increase energy capacity, awareness, and competency.	• Agencies receive education and training through webinars, workshops, and program deliverables on the benefits of decarbonization, energy resilience, and DR program participation. • Build capacity and awareness through ongoing engagement, sharing of case studies, and educational resources. • Provide energy analysis reports at the portfolio and project level. • Develop customized decarbonization and resilience roadmaps that align with established agency goals and priorities.	• Agencies demonstrate awareness of DER benefits by integrating related policies and actions as a standard practice. • Agencies are aware of energy consumption and costs across their assets. • Agencies incorporate recommendations from the program's decarbonization and resiliency roadmaps into their CAPs to increase the energy resilience of their critical infrastructure, increasing public buy-in. • Agencies are more actively engaged in supporting decarbonization and resilience activities in their communities.
Ensure underserved public agencies are not left behind in the clean energy transition.	• Develop a new framework in which Tribal governments propose and design customized energy programs and strategies to meet their unique community needs. • Specialize services developed to target K-12 schools that would otherwise not be served. • Track all supplemental funding sources, including state and federal funding sources such as IRA's Indian Affairs Tribal Electrification Program, that can be leveraged for projects and offer application assistance for program participants.	• Tribal communities benefit from increased access to EE resources through tailored programming. • Energy justice for DAC and HTR communities through reduced energy burden.

Public Sector Coordination

Our primary goal for coordination efforts is to eliminate customer confusion about EE programs and encourage seamless participation. We will work closely with SDG&E and other stakeholders, and there are several key programs we aim to coordinate with:

- The **SDG&E Local Government Third Party Program, Climate Action Plan for Zero Net Energy (CAP4ZNE)** offers a concierge approach tailored to local governments for energy efficiency and GHG reductions. SDREN's Public Sector programs will closely collaborate with this program to ensure SDREN's program is complementary and fills gaps. SDREN will also channel project opportunities to this program wherever possible.

- The **Statewide Water Infrastructure and System Efficiency™ program (SW WISE™)** provides solutions related to water production, distribution, and water/wastewater treatment systems. SDREN's Climate Resilience Leadership program will introduce agencies with eligible project types to the WISE program and fill gaps in their services.

- The **Business Energy Solutions (BES)** program, which offers no-to-low cost direct install measures paired with audits and recommendations. SDG&E had intended to close the BES Program at the end of 2023 due to the launch of its new Small Business Equity Program (Small Business Saver Program) at the start of 2024. However, due to the early termination of the K-12 Energy Efficiency Program (KEEP), SDG&E now plans to keep the program active to serve the K-12 customer base.[56] Instead of issuing a new solicitation for their K-12 EE program, SDG&E will continue to offer the BES program until the launch of the SDREN Climate Resilience Leadership program, which will serve K-12 school districts.

- The **SDG&E On-Bill Financing (OBF) program** offers 0% financing for energy upgrades; SDREN will facilitate access to SDG&E OBF for projects eligible for SDG&E incentive programs. SDREN will help public agencies apply for and access SDG&E OBF for projects pursuing an SDG&E program.

- The **Higher Education Energy Efficiency Program (HEEP)** serves existing higher education facilities owned or operated by University of California, California State University, or California Community College. SDREN will coordinate as applicable.
- The **California Energy Design Assistance (CEDA) program** offers EE incentives for new construction projects. SDREN will refer program participants to this program where applicable, as SDREN services do not address new construction.
- **San Diego (SD) EnergyLink** provides energy services to federal buildings, military bases, and Tribal nations. SDREN will coordinate with the program to ensure participants receive comprehensive services.

[56] SDG&E AL 4302-E, pg. 17.

SDREN will also collaborate with the San Diego Regional Climate Collaborative (SDRCC) and the San Diego Association of Governments (SANDAG) to build on successes from previous LGP programs. These organizations are established regional networks for public agencies to develop and advance climate change and decarbonization solutions.

Effective coordination is paramount to deliver comprehensive and efficient services to the public sector. To avoid overlap with SDG&E and statewide programs in the region, SDREN will coordinate closely with SDG&E and the statewide program administrators and their implementers to offer services that fill gaps for program participants. Upon Business Plan approval, SDREN will file a JCM with SDG&E to outline coordination protocols that ensure services fill gaps, meet regional needs, and avoid duplication. Initial strategies discussed with SDG&E during the portfolio application development include:

- Close coordination with existing programs to fill gaps in service and prevent market confusion.
- Mapping of full public sector portfolios including eligibility criteria, customer targeting, and services ahead of SDREN solicitations.
- Develop joint strategy around messaging to customers.
- Promote complementary programs such as SDG&E's CAP4ZNE and statewide WISE.

SDREN will also monitor the market and coordinate with other programs to **leverage** complementary offerings and **stack** supplemental program services, including:

- **Leverage** the CAP4ZNE program incentives and other unique offerings to bring incentive opportunities and services to public agency participants.
- **Stack** IRA tax incentives, 179D Commercial Building EE tax deductions, and TECH incentives to reduce equipment costs.
- **Leverage** previously drafted climate action plans to guide and inform opportunities with participants.

Categorization by Segment

Additional details on SDREN's segmentation justification at the program level can be found in *SDREN 2024-2031 EE Application Excel Sheets - 20 Segmentation Justification Attachment A*.

Table 38. Public Sector Program Categorization by Segment

Program	Sector	Justification/Primary Goal
Climate Resilience Leadership	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission market support objective to support long term success of the EE market.

Tribal Engagement	Equity	Provide energy efficiency services to Tribes, a HTR community that has been historically underserved. This goal is in alignment with the primary purpose of Equity segment programs, i.e. to provide EE services to HTR customers in DACs in advancement of the Commission's Environmental and Social Justice Action Plan.

Public Sector Program Details

Table 39. Program Card for Climate Resilience Leadership

Program Name: Climate Resilience Leadership	
Program ID: SDREN-01-PUB-CRL **New/Existing: New** **Link to implementation plan if existing: N/A**	
Portfolio Segment: Market Support	**Implementation Party:** Third-party Implementer
Applicable Sector: Public	**Market Sub-Sector:** Eligible public agency types. ● Cities ● County ● Public education agencies ● Special districts ● Tribes
Sector Challenge: ● Limited staff capacity, understanding, and expertise to address EE and decarbonization opportunities to improve energy resilience. ● Lengthy and cumbersome public procurement processes. ● Limited access to data for informed decision making. ● Limited capital and/or competing priorities for EE projects. ● Risk aversion. ● Resource constraints as staff and budgets have many competing priorities and energy management is just one of many. ● Complex decision making and political dynamics.	**Sector Opportunity:** ● Comprehensive yet tailored services to meet public agencies' unique needs, with a focus on agencies serving underserved and HTR communities. ● Provision of technical assistance and resources to help public agencies identify and implement clean energy projects and meet regional decarbonization goals. ● Increase staff capacity through education, outreach, project management, and technical assistance to integrate EE as standard practice across operations.

● Long-term planning challenges. ● Gaps in IOU third party offerings, including school district programming. ● Aging infrastructure, including buildings and utility systems that may require substantial energy efficiency upgrades.	● Reduced energy burden by reducing energy costs and reinvesting energy bill savings into communities. ● Provide no to low-cost EE measure installations through a direct install offering. ● Offer portfolio energy analyses to help inform decision making, targeting of clean energy opportunities, and creation of resilience hubs across agency owned assets. ● Support updating or creating short and long-term energy resilience plans.
Known Equity Concerns in the Selected Markets: Public agencies, especially smaller ones, often have constrained budgets and staff resources, making it difficult to allocate funding and staff for clean energy projects or to take advantage of available services and funding. Additionally, a large proportion of public agency accounts are small (<20kW) and may not qualify for many IOU resource programs due to potential projects not meeting programs' cost effectiveness requirements. This in turn leads to even greater inequity in the long run, as energy and operational costs continue to rise while projects are delayed. These smaller agencies may not have resources to develop climate action or resilience plans and build internal capacity around DERs. Public agencies are expected to lead their communities by example, but there is limited funding and services to support them in achieving their goals.	**Proposed Solutions to Equity Concerns:** The program proposes to address equity concerns by prioritizing outreach to agencies that have historically been overlooked by EE programs. The program will provide technical assistance, end-to-end project management services, and educational resources to public agencies/facilities of all sizes, acting as an extension of agency staff. Financial assistance services will help agencies identify, apply for, and secure funding for EE and IDSM projects. The program will also offer: ● Increased incentives and no-cost direct install support of EE measures for HTR and underserved agencies. ● Education and training resources to help agency staff grow their capacity and awareness of the benefits of EE, DER technologies, and DR program participation to drive decarbonization efforts. ● Assistance for underserved agencies to develop actionable resilience roadmaps.
Program Description: The Climate Resilience Leadership program is designed to overcome barriers hindering public agencies from implementing EE projects. It also promotes IDSM technologies and programs, facilitating deeper decarbonization to help agencies meet their climate goals. Dedicated project managers will act as an extension of agency staff to provide	

<table>
<tr><td colspan="2">customized and unbiased start-to-finish guidance and to coordinate delivery of technical services to identify and implement EE projects.

The program operates through dedicated project managers who offer tailored guidance throughout the project cycle and coordinate technical service delivery to identify and implement EE and DER projects. This personalized approach ensures successful project execution.

To address common challenges related to funding and procurement and to fill IOU program gaps, the program provides direct installation of EE measures. This will include providing targeted and specialized direct install services to K-12 schools, recognizing that there is a gap in services available to this market sub-sector. Project managers will also coordinate and facilitate access to third-party incentive programs. Moreover, the program will monitor emerging funding opportunities for public agencies (such as IRA) and provide support for all relevant incentive and financing applications, relieving them of major administrative burdens.

In addition to the suite of project delivery services, the program tackles knowledge and capacity barriers by offering educational resources on DERs and DR programs through webinars, peer to peer learning opportunities, and case studies. Small grants will also be available to fund public agency staff attendance at decarbonization or DER-related conferences and events. These resources empower agency staff to become champions for decarbonization internally while showcasing climate leadership to the broader community through successful project delivery.</td></tr>
<tr><td>Intervention Strategy: Downstream – technical assistance, incentives via direct install, outreach and education, funding and financing support.

EE and DER project identification and delivery interventions.
● Agency portfolio energy analysis and resilience roadmap: provides participants with overview of energy consumption and costs and facilitates project opportunities by identifying energy-intensive infrastructure. Sets foundation for development and delivery of energy resilience roadmap, which identifies DER opportunities to improve community energy resilience and recommends sites to serve as resilience hubs.
● Comprehensive energy audits: identify energy savings, EE and decarbonization opportunities.</td><td>Program Metrics:
● kWh
● Therms
● TSB
● Number of public agencies engaged and receiving services (including project management and education and outreach activities)
● Dollar amount of energy bill savings
● Audits completed
● Financial analyses delivered
● Projects managed
● Number of educational activities delivered (webinars/workshops)
● Number of unique outreach materials created
● Number of buildings benchmarked
● Number of energy resilience roadmaps delivered
● Number of energy savings measures identified and installed</td></tr>
</table>

● Financial analysis: utilizes outputs from audit reports to provide business case summary to invest in clean energy projects. ● Project financing and funding assistance: facilitate access to various financing options including cash incentives, low-to-no-interest loans, tax credits, and grants to help agencies overcome financial barriers to projects. ● Procurement assistance: provides agencies with documentation to procure installation contractors and receive applicable internal approvals. ● Construction support: review scope and contractor equipment submittals to ensure alignment with anticipated energy savings outcomes and funding eligibility requirements. **Engagement, education and outreach interventions.** ● Workshops/webinars/training and educational resources to build public agency staff's capacity and awareness of EE, sustainability, and decarbonization measures, including DR program participation. ● Small grants to fund public agency participation in educational events, e.g. conferences. **Direct installation of EE measures** that help agencies overcome funding, financing, and procurement hurdles and achieve decarbonization and resilience goals. ● Sample direct install measures include: economizer controls/repair, heat pump water heaters, occupancy sensors, outdoor LED lighting, and pipe insulation.	● Number of funding and financing applications supported ● Dollar amount of non-ratepayer funding leveraged

High-level description of delivery workforce including necessary scale and its risks: The program delivery workforce will include SDREN staff and third party implementation partners, including subcontracted engineering consultants and other industry experts to provide as needed services to program participants. There are no known related workforce risks for successful implementation of the program.	
Market actors necessary for success: ● Third-party implementer(s). ● Local entity or entities familiar with public agency barriers and solutions to installing EE and DERs. ● Local engineering firms and contractors.	
Solicitation Strategy: Third-party Solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - Ongoing	**Short Term Plan:** Ramp up third-party program to full implementation to serve at least 50% of all eligible customers in service territory.
Cost Effectiveness: TRC 2024-2027: 0.41	**Long Term Outlook** ● Public agencies look to SDREN as a trusted advisor to help them improve energy resiliency and address energy needs. ● Energy and cost savings realized. ● Broader reach and support across underserved communities. ● Agencies demonstrate increased awareness of EE and IDSM best practices and integrate into operating practices and procedures. ● Enhanced resilience to climate challenges and emergencies, including more resilient energy infrastructure and practices. ● Disparities in energy access and program participation are reduced.
Proposed Annual Budgets for 2024-2027: **2024:** $2,732,000 **2025:** $5,645,500 **2026:** $6,210,050 **2027:** $6,831,055 **Total 2024-2027:** $21,418,605	**Anticipated directional and scale changes in budget for years 2028-2031:** SDREN will continue to maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.

Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.

Table 40. Program Card for Tribal Engagement

Program Name: Tribal Engagement	
Program ID: SDREN-02-PUB-TRE **New/Existing: New** **Link to implementation plan if existing: N/A**	
Portfolio Segment: Equity	**Implementation Party:** Third-Party Implementer
Applicable Sector: Public	**Market Sub-Sector:** Tribes
Sector Challenge: ● Tribal cultural sensitivities, distrust in government programs. ● Some Tribal governments may lack in-house technical expertise, resources, and staff capacity to plan, implement, and manage energy efficiency initiatives, making it challenging to take advantage of available programs. ● Lack of capital to invest in EE and decarbonization strategies. ● Most public sector accounts in SDG&E territory are small (<20kW) and may be passed over by IOU resource programs with cost effectiveness requirements. ● Aging infrastructure, including buildings and utility systems that may require substantial energy efficiency upgrades. ● Navigating the complex regulatory environment, including compliance with federal and Tribal regulations, can be challenging for Tribal governments.	**Sector Opportunity:** ● Tribal community-led design of initiatives to facilitate energy planning, increase access to EE programs, reduce energy burdens, and decarbonize assets. ● Ongoing access to technical advisor with EE expertise to support successful programming and initiatives; access to industry experts including engineering firms. ● Advance climate resiliency on Tribal lands and in Tribal communities. ● Tribes demonstrate leadership in EE and share best practices and lessons learned.

Known Equity Concerns in the Selected Markets: Tribal participants have long been underserved and underrepresented in energy efficiency programs. This historical underinvestment in outreach to Tribal participants is one of many factors that have significantly eroded Tribal governments' trust in public sector programs. This has led to missed opportunities for Tribal governments to secure vital funding and resources. One of the key equity concerns in Tribal communities is limited access to information about available programs, incentives, and resources. This limited access not only hinders the development of sustainable energy practices within Tribal lands but also compromises the resilience of Tribal communities in the face of energy-related emergencies and challenges.	**Proposed Solutions to Equity Concerns:** The Tribal Engagement program recognizes that addressing equity concerns within Tribal communities is a multifaceted endeavor that requires a tailored, culturally sensitive and empathetic approach. To overcome historical underinvestment in Tribal communities, the program proposes to provide grant funding and no-cost technical assistance to Tribal participants for community-driven interventions. This support will empower Tribal governments to design and offer EE programs to their Tribal government and community members. By providing financial resources and technical expertise, we aim to break down the barriers that have historically hindered Tribal participation in energy initiatives. Building trust within Tribal communities is a fundamental component of our approach. We understand that trust is built through meaningful relationships, respect for cultural sensitivities, and a genuine understanding of Tribal needs. To achieve this, we plan to establish partnerships with trusted leaders in Tribal communities. These partners will play a pivotal role in ensuring program design and delivery is culturally sensitive and responsive to the unique needs of each Tribal community. This includes acknowledging and addressing historical disparities in energy access, infrastructure investment, and environmental impacts that may have disproportionately affected Tribal governments. Building trust and engaging Tribal communities takes time; we are prepared to listen, learn, and adapt our approach to the unique cultural and historical context of each Tribal community.

Program Description: The Tribal Engagement program will create a pathway for Tribes and Tribal organizations in the San Diego region to develop, propose, and implement energy-related initiatives to address their unique needs and contribute to sustainability, resilience, and economic development within Tribal communities. Through our community-driven program, we will empower Tribes to take ownership of initiatives and exercise self-determination in pursuing decarbonization and sustainable energy practices.

Program resources will include tailored no-cost technical assistance, including a dedicated technical advisor to support initiative applications and champion their success from idea inception to successful execution.

All initiative applications will be required to promote sustainable energy practices within Tribal lands and enhance the resilience of Tribal communities by increasing their capacity to withstand energy-related emergencies and challenges. The third party program implementer will develop high-level blueprints of program design options for Tribes to follow and secure funding to implement. Moreover, SDREN welcomes and encourages innovative ideas outside of these blueprints, granting Tribes the freedom to propose unique solutions that align with their goals.

Initiative applications will be evaluated based on their alignment with Tribal needs, sustainability, resilience, and economic development goals. Approved initiatives will receive customized services and resources to support implementation. These services may include technical expertise, project funding, and partnerships.

The Tribal Engagement program is a catalyst for Tribal communities in the San Diego region to shape their energy destinies. By nurturing local talent, inspiring innovation, and providing the necessary support, SDREN aims to create a vibrant and resilient energy landscape that Tribal communities can proudly call their own.

This program will coordinate with SDREN's Climate Resilience Leadership program to ensure that there is no duplication of efforts. Tribes will be able to access all the technical services available from both programs, including direct install measure installations.

Intervention Strategy: Downstream – technical assistance, outreach and education.

- **Initiative ideation and application technical services support:** technical assistance is provided to help Tribes develop ideas and draft applications.
- **Direct funding grants** provided to Tribes to implement initiatives.
- **Initiative application evaluation:** includes approval by program implementer.
- **Technical assistance:** Approved initiatives receive customized services and resources to support delivery,

Program Metrics:

- Number of initiative applications submitted
- Number of initiative applications approved
- Number of implementation plans prepared
- Number of Tribes served
- Dollar amount of grant funds awarded

Additional metrics to be determined as Tribal initiatives are approved.

including support to develop implementation plans. ● **Access to energy experts** (e.g. engineering firms, financial advisors, local agencies, and relevant stakeholders) to leverage expertise and resources.	
High-level description of delivery workforce including necessary scale and its risks: The delivery workforce will include third party implementation partners, including on-call subcontracted engineering consultants, and energy leaders from Tribal communities and organizations. Time and resource availability for Tribal energy leaders may be a risk factor.	
Market Actors necessary for success: ● Third-party implementer(s). ● Tribal nations and Tribal organizations. ● Others to be determined based on proposed and approved grant initiatives.	
Solicitation Strategy: Third-party Solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - Ongoing	**Short Term Plan:** Ramp up third-party programs to full implementation to offer grants to at least 8 Tribes.
Cost Effectiveness: TRC: N/A	**Long Term Outlook:** ● Tribes become more empowered as they gain experience proposing, implementing, and managing initiatives, and they become more sustainable as a result. ● A large portfolio of initiatives are serving diverse Tribal needs. ● Reduced energy burden and increased revenue generation through clean energy projects. ● Enhanced resilience to climate challenges and emergencies including more resilient energy infrastructure and practices. ● Disparities in energy access and program participation are reduced. ● Supplemental funding sources can be leveraged, including IRA funding earmarked for Tribal governments to administer residential electrification and DER programs.

	• Successful initiatives serve as models for other Tribal communities within and beyond San Diego. Scalability may lead to expansion in other regions, increasing impacts. • Over time, Tribal communities that have successfully implemented initiatives may become sources of knowledge and best practices for other communities, fostering a culture of shared learning.
Proposed Annual Budgets for 2024-2027: **2024:** $234,000 **2025:** $482,600 **2026:** $530,860 **2027:** $583,946 **2024-2027 Total:** $1,831,406	**Anticipated directional and scale changes in budget for years 2028-2031:** SDREN will continue to maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

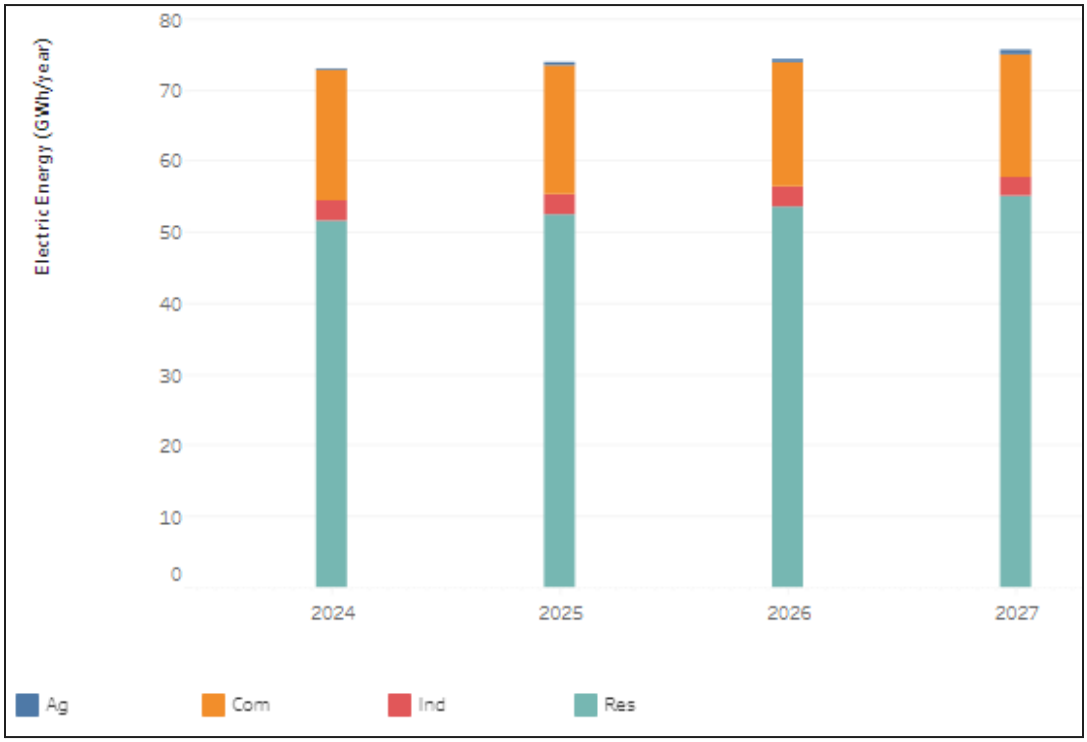
Residential Sector

Market Characterization

The residential sector is the largest customer group in SDG&E territory, making up 1.49 million accounts and consuming over a third of all electricity and more than half of all methane gas in San Diego County.[57] The importance of serving this sector in the realm of energy efficiency is clear, as it represents a substantial opportunity for significant savings in the region based on incremental market potential identified in the 2023 Energy Efficiency Potential and Goals Study findings.[58] These findings unequivocally illustrate the immense potential within the SDG&E territory's residential sector when compared to other sectors like agricultural, commercial, and industrial, as depicted in the figure below.

[57] SDG&E Business Plan Exhibit 2. P. 189.
[58] 2023 P&G Study Results Viewer V1.0; filtered for SDG&E, Residential, Cumulative Market Potential for all measures.

Figure 11. SDG&E Residential Sector Energy Efficiency Savings Potential



Moreover, the study categorizes a significant majority of this potential as behavioral, retro-commissioning, and operational (BRO), accounting for 94% of potential savings, with fuel substitution and water heating making up the majority of the remaining potential.[59]

These statistics emphasize the need for programs and services that can equitably serve the residential sector and instigate behavioral change and home electrification.

The residential sector has a diverse landscape of customer types, including single-family homes and multifamily dwellings, each with a distinct set of challenges and opportunities. The complexities vary from program accessibility and entry barriers to concerns surrounding equity and inclusion. For instance, programs targeting multifamily homes can have higher barriers, often necessitating approvals by property managers and owners, larger capital expenditures, and the potential for uneven distribution of program benefits, particularly among renters and property owners.

Furthermore, there is often a shortfall in ensuring equitable access to these programs, especially among HTR and underserved customers, due to insufficient consideration of equity and inclusion in program outreach and educational materials. This lack of accessibility is further compounded by the fact that affordable housing is often located in multifamily buildings, which can exacerbate gaps in program access and equity.

[59] Ibid.

Residential Sector Goals, Objectives and Strategies

To help bridge existing program gaps and create a more equitable landscape, SDREN will implement two residential sector programs designed to deliver equitable services to underserved and HTR community members for single-family and multifamily homes. These programs will work in harmony with all relevant existing third-party programs offered by SDG&E, state, and federal agencies. A key focus of the programs will be on stacking incentives wherever feasible, maximizing the benefits for customers while efficiently utilizing available resources.[60] Understanding that the multifamily sub-sector has experienced EE program challenges across the state, SDREN will review the latest EM&V studies and coordinate directly with PAs and implementers to apply the latest lessons learned from other multifamily programs prior to implementation. SDREN will focus on deemed measures and will not use the current custom process and meter-based approaches to savings measurement because they will not be cost effective with the target customers for these equity programs.

Both of SDREN's residential sector programs are strongly rooted in the principle of equity. They prioritize delivery to HTR customers by offering in-language outreach and anti-displacement policies. These programs will provide EE measures and serve buildings not covered (or only partially covered) through existing programs. Furthermore, they will fill gaps by addressing the specific needs of renters, including direct install upgrades and educational initiatives that emphasize non-energy benefits. Complementing these services, SDREN will help customers to leverage external funding and financing opportunities, including the stacking of incentives.

SDREN's residential sector programs aim to promote equity and inclusivity, recognizing the diversity of challenges that both single-family and multifamily homes face within the realm of clean energy initiatives. We believe that through these programs, SDREN can create meaningful change, ensuring that every member of the community benefits from the clean energy future.

Table 41. Residential Sector Goals, Objectives, and Strategies

Goals	Strategy	Objectives
Deliver equitable services to traditionally underserved and HTR residential customers to ensure they are included in the clean energy transition.	• Focus on underserved and HTR residential customers within San Diego County. • Provide in-person, equitable, and inclusive outreach and support services (i.e. in-language materials with cultural understanding, taking into account customers with impaired hearing or vision, etc.).	• Increased access to and participation in ratepayer-funded EE programs by HTR customers and underserved communities. • Reduced energy burden and increase energy co-benefits (e.g. health, comfort) realized by HTR and underserved residents. • A clean energy transition inclusive of customers

[60] SDREN will ensure that there is no "double dipping" of ratepayer funding.

	● Customized energy programs and strategies shaped by community input and tailored to meet unique community needs. ● Increased incentive opportunities offered to HTR and underserved communities.	historically left out of energy programs. ● Energy justice for HTR customers and underserved communities.
Reduce barriers to EE program participation among residential customers.	● Provide one-on-one and in-language support to residents via an energy advisor who can connect customers to all other available programs, services, and funding opportunities (e.g. IOU third party, state, federal programs, etc.). ● Offer direct installation of energy efficiency measures to lower residents' energy bills and help secure rebates for other identified measures, ensuring various funding sources are identified and stacked wherever feasible. ● Provide guidance and support to customers seeking federal tax credits and other available incentives for clean energy projects. ● Educate residents and provide them with resources to understand energy-saving and co-energy benefits (e.g. health and comfort). ● Equitable and inclusive, culturally sensitive	● Increased residential sector adoption of EE and energy upgrades/retrofits. ● Improved comfort and health despite climate threats like extreme heat. ● Increased access to and awareness of EE technologies and available funding and financing programs. ● Customer energy bill savings and GHG reductions realized.

	in-language outreach materials and program documents.	
Accelerate implementation of EE and decarbonization measures and long-term market transformation through program interventions.	● The energy advisor works to overcome barriers to program adoption. ● Adapt and evolve program services to best meet customer needs. ● Programs foster community and industry partnerships to develop holistic solutions to address resident needs. ● Support deeper and expanded electrification of space and water heating systems and other methane gas-based systems like ovens and dryers with efficient electric versions in order to accelerate building decarbonization. ● Assist resident enrollment in demand response (DR) programs and install DR-ready measures.	● Emerging EE technologies (e.g. heat pump water heaters) move toward standard practice. ● Full potential of EE for the residential sector is realized. ● Residents have a plan and the resources for future/capital intensive clean energy upgrades. ● Avoided peaker plant emissions through peak demand reductions.

Residential Sector Coordination

During the development of SDREN's Business Plan, SDREN held discussions with SDG&E to address potential overlap in ratepayer-funded programs and to avoid duplicating efforts. Notable existing programs discussed during these meetings include:

- **Residential Zero Net Energy Transformation (RZNET) program**: a regional third-party program that serves multifamily and manufactured homes.
- **Residential Energy Solutions (RES) program**: a regional third-party program that serves single-family homes.
- **Quality Residential HVAC Services**: a statewide program that provides extra incentives, training, and tools to HVAC contractors who provide enhanced services including maintenance plans, maintenance calls, and quality installations.

- **Golden State Rebates**: a midstream statewide plug load and appliance program that offers incentivized EE measures to participating retailers and distributors.

Other SDG&E-specific programs for collaboration may include the Energy Savings Assistance (ESA) program,[61] the future residential equity program (anticipated to launch mid-2024), and the residential fuel-substitution market support program (anticipated to launch in 2025).

Upon approval of the Business Plan, SDREN will file a JCM with SDG&E. The JCM will outline coordination protocols to ensure that SDREN services fill gaps, meet regional needs, and avoid duplication. SDREN will collaborate with SDG&E, PAs, program implementers, and any applicable initiatives or campaigns to offer complementary services that fill gaps for residential program participants. An example initiative is the Switch Is On, which inspires consumers to "equitably electrify communities."[62]

SDREN will monitor the market and coordinate with other programs to **leverage** complementary offerings and **stack incentives**, including:

- Self Generation Incentive Program (SGIP).
- CEC Equitable Building Decarbonization Program (EBDP).
- California Electric Homes Program (CalEHP).
- California's Homeowner Managing Energy Savings Program (HOMES).
- High-Efficiency Electric Home Rebate Program (HEEHRA).
- TECH Clean California (TECH).
- Energy Savings Assistance (ESA) Multifamily Energy Savings program.
- GoGreen financing.
- IRA tax credits (e.g., Energy Efficient Home Improvement Credit and Clean Energy Tax Credit).

Categorization by Segment

Additional details on SDREN's segmentation justification at the program level can be found in *SDREN 2024-2031 EE Application Excel Sheets - 20 Segmentation Justification Attachment A*.

Table 42. Residential Sector Program Categorization by Segment

Program	Segment	Justification
Residential Equity Program (single-family)	Equity	The primary goal of these programs is to provide energy efficiency services to HTR customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.
Multifamily Residential (two or more units)		

[61] https://www.sdge.com/residential/pay-bill/get-payment-bill-assistance/. assistance-programs/no-cost-energy-efficient-home-improvements.
[62] https://switchison.org/.

Residential Sector Program Details

Table 43. Program Card for Single-Family

Program Name: Single-Family	
Program ID: SDREN-02-RES-SFM **New/Existing: New** **Link to implementation plan if existing: N/A**	
Portfolio Segment: Equity	**Implementation Party:** Third-party Implementer
Applicable Sector: Residential	**Market Sub-Sector:** Detached, renter or owner-occupied single-family residences
Sector Challenge: ● Residents often have limited familiarity with and/or are confused by existing EE and IDSM technologies, programs, and service offerings. ● Capital intensive upgrades resulting from deferred maintenance hinders holistic projects and streamlined program implementation. ● Difficulty establishing trust with HTR customers and within underserved communities. ● HTR and underserved communities have historically faced disparities in access to clean energy programs and resources. ● Split incentives between renters and property owners limit the opportunities to reach renter-occupied homes. ● Many single-family homes have aging infrastructure, which can be a barrier to implementing energy efficient technologies. ● Local regulations and permitting requirements can be a major hurdle for homeowners looking to make energy-efficient improvements. Navigating the bureaucracy and securing the necessary approvals can be time-consuming and frustrating.	**Sector Opportunity:** ● Partner with trusted CBOs and community partners for customer outreach to explain program opportunities. These organizations often have deep community connections and can reach underserved and HTR populations. ● Focus on EE and IDSM offerings and educational opportunities that result in reduced energy costs and non-energy benefits for residents. ● Support HTR and underserved communities with early decarbonization efforts. These communities often bear a disproportionate burden of environmental and energy-related challenges. Targeted support can improve living conditions and energy resilience of these customers. ● Pair program opportunities with external programs for deeper savings and incentive stacking. ● Provide no-cost installations through a direct install offering. ● Offer rebates for selected EE measures that can stack with, or meet gaps of, other program rebate offerings.

• Homeowners may be resistant to change, especially if they are unfamiliar with or skeptical of new energy efficient and IDSM technologies.	
Known Equity Concerns in the Selected Markets: Single-family residents in HTR and underserved communities often receive limited outreach from EE programs. Shortfalls in outreach can impede access to vital resources and accessible funding, limiting program participation. Programs often remain inaccessible to community members due to insufficient consideration of equity and inclusion in outreach and educational materials. The absence of culturally sensitive, linguistically appropriate, and inclusive materials exacerbates barriers to participation, especially for non-English speaking residents. Additionally, residents' busy schedules and their need for personalized outreach and program services through multiple mediums further hinders HTR and underserved community participation in EE programs.	**Proposed Solutions to Equity Concerns:** To address equity concerns within the residential sector, the program will implement a multi-faceted approach that includes an energy advisor service. Advisors will be tasked with ensuring expanded access to program services. Their role will encompass technical guidance, community outreach, and engagement. To make information more accessible to all community members, the program will prioritize marketing materials that are in-person, equitable, and inclusive. These materials will be thoughtfully designed, taking into consideration diverse needs such as in-language content, cultural understanding, accommodations for customers with impaired hearing or vision, etc. Recognizing the importance of community trust and engagement, the program will partner with trusted CBOs and community partners for outreach. By working alongside organizations deeply rooted in the community, the program can leverage partners' existing networks and credibility to foster community trust and engagement.
Program Description: SDREN'S Single-Family equity program will create a home energy advisor for residents that will serve as a personal concierge-style service to connect them to program information and funding and financing opportunities. The energy advisor will refer and connect residents to all eligible program resources and will act as a closed loop between participants and program service providers by coordinating with SDREN-supported contractors and contractors supporting other external programs. The program will offer a growing and evolving knowledge base to support participants. This approach aims to increase program participation for HTR and underserved residents who would otherwise have limited access to these resources. To maximize accessibility for the community, the program will provide services through multiple mediums, including an online	

platform with chat features, direct email correspondence to respond to participant questions and requests for information, and call centers.

The program's support services will meet homeowner and renter needs. The program seeks to meaningfully engage with the renter community, a group historically left out of traditional energy programs, by offering a package of no-cost energy efficiency upgrades (direct-install measures) for their homes. These upgrades will reduce residents' energy consumption and lower their energy bills, and can complement other existing state programs aimed at reducing income-qualified resident utility bills, such as the Energy Savings Assistance program.

The energy advisor can support renters by working directly with property owners to advocate for upgrades at their properties. Rebates for additional energy efficiency measures will also be available. Targeted efficiency measures may include attic and wall insulation, LED lighting, duct testing and sealing, low-flow shower heads, and faucet aerators. The program will also focus on improving indoor air quality for residents through electrification by targeting heat pump water heaters, HVAC heat pumps, induction stoves, and heat pump clothes dryers. To support residents' demand flexibility, the program will include smart thermostats to support demand response. The program will leverage local contractors for installations to stimulate the local economy and support local workforce development.

The program will provide energy efficiency kits and educational opportunities for renters and homeowners to create awareness of the benefits of energy conservation, energy efficiency, electrification, clean and renewable energy, DR program participation, and low-GWP refrigerants. Educational topics may include energy efficiency technologies and why they are eligible for incentives. For example, one educational opportunity might walk through a sample project scenario with stacked incentives and explanations of energy, financing, and policy-related terms (e.g. kilowatt hour, power purchase agreement, and governmental reach codes).

The program will provide equitable and inclusive marketing and outreach strategies to promote the energy advisor services to both renters and homeowners. It will partner with trusted CBOs and community partners for strategic outreach to explain available program opportunities to customers. The program will share specific information and materials for renters to help renters advocate for upgrades in their homes. The energy advisor can work with property owners directly to educate and advocate for upgrades on behalf of renters.

Intervention Strategy: Downstream – Technical assistance, incentives (both rebates and direct install), education, training, and outreach. ● Personal support and coaching for customers through an energy advisor service that is accessible through multiple mediums. ● Closed loop design for the customer with a single source to provide guidance and referrals to connect	**Program Metrics:** ● kWh ● Therms ● TSB ● GHG ● Number of outreach strategies conducted ● Number of equity target participants expressing interest via one or more engagement channels

participants with relevant program contractors. ● Equitable and inclusive outreach and marketing materials. ● Educational materials including an EE starter kit for customers. ● Direct install of selected EE measures. ● Rebates for selected EE measures that can stack with, or meet gaps of, other program rebate offerings.	● Percent of disadvantaged community and HTR customer participants ● Number of and type of program referrals provided by energy advisor ● Sum of equity target and non-equity participants' expected first-year bill savings ● Sum of all participants' greenhouse gas reductions (in tons of carbon dioxide equivalent; channeled) ● kWh channeled ● kW channeled ● Therms channeled
High-level description of delivery workforce including necessary scale and its risks: SDREN staff, the program implementer staff, and the energy advisors will guide program participants through the SDREN residential program offerings and services, in partnership with subcontracted engineering consultants, CBOs, and community partners. Licensed local contractors, electricians, and equipment manufacturers will support the direct installation of energy efficiency measures. There are no known workforce related risks for successful implementation of the program, though a delay in manufacturing and delivery (or high demand) of equipment could pose a risk to project completion timelines.	
Market actors necessary for success: ● Third party implementer(s). ● Trade professionals. ● Local contractors. ● Equipment manufacturers. ● Homeowners. ● Renters. ● Community-based organizations and community outreach partners.	
Solicitation Strategy: Third-party Solicited	**Transition Plan:** Not applicable
Expected Program Life: 2024 - Ongoing	**Short Term Plan:** Launch program in 2024 and ramp up implementation through 2027.
Cost Effectiveness: 4-year TRC: 0.15	**Long Term Outlook:** ● HTR and underserved customers have fair and equal access to energy efficiency programs. ● HTR and underserved communities leverage program resources and incentives at an equal or greater rate than customer base at large.

Proposed Annual Budgets for 2024-2027: **2024:** $2,904,000 **2025:** $6,000,000 **2026:** $6,600,000 **2027:** $7,260,000 **2024-2027 Total:** $22,764,000	**Anticipated directional and scale changes in budget for years 2028-2031:** SDREN will continue to maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

Table 44. Program Card for Multifamily

Program Name: Multifamily	
Program ID: SDREN-01-RES-MFM **New/Existing: New** **Link to implementation plan if existing: N/A**	
Portfolio Segment: Equity	**Implementation Party:** Third-party Implementer
Applicable Sector: Residential	**Market Sub-Sector:** Multifamily buildings of two or more units.
Sector Challenge: ● HTR and underserved residents and property owners often have limited familiarity with existing EE and IDSM technologies, programs, and service offerings, especially electrification. ● Difficulty establishing trust with HTR customers and within underserved communities. ● Split incentives between renters and property owners limit the opportunities to reach renter-occupied homes. ● No existing single-program solution to meet the needs of a multifamily dwelling. ● Local regulations and permitting requirements can be major hurdles. ● Risks of tenant displacement as a result of increased property values and rising rents.	**Sector Opportunity:** ● Pair program opportunities with external existing and emerging programs for incentive stacking to realize deeper savings and decarbonization of multifamily properties. ● Partner with trusted CBOs and community partners for customer outreach to explain program opportunities. ● Focus on EE and IDSM offerings and educational opportunities that result in reduced energy costs and increased non-energy benefits for residents. ● Reduce property owners' energy and operating costs to support reinvestment into the building and improve quality of life for tenants. ● Provide EE and IDSM education and advisory services to property owners, property management companies,

	and tenants to address the split incentive challenge. ● Provide no-cost installations through a direct install offering, with a focus on electrification measures to support HTR and underserved communities decarbonize. ● Work to protect tenants from potential increased rents that can result from property investments. ● Coordinate directly with PAs and implementers to apply the latest lessons learned from other multifamily programs prior to implementation.
Known Equity Concerns in the Selected Markets: Multifamily residents and property owners in HTR and underserved communities often receive limited outreach from EE programs, which results in limited awareness and knowledge of available energy program services and potential benefits. Residents and property owners also often hold the perception that EE and IDSM measures are too capital intensive to pursue; they may not fully understand the savings benefits or long-term payback considerations. Programs may also be inaccessible to community members due to insufficient consideration of equity and inclusion in program outreach and educational materials.	**Proposed Solutions to Equity Concerns:** To make information more accessible to all community members, the program will prioritize marketing materials that are in-person, equitable, and inclusive. These materials will be thoughtfully designed, taking into consideration diverse needs such as in-language content, cultural understanding, accommodations for customers with impaired hearing or vision, etc. Recognizing the importance of community trust and engagement, the program will partner with trusted CBOs and community partners for strategic outreach. By working alongside organizations deeply rooted in the community, the program can leverage their existing networks and credibility to foster community trust and engagement.
Program Description: SDREN's Multifamily program will target multifamily property owners/managers as well as tenants to address facility upgrades that impact both common area measures (CAM) and renter-specific in-unit utility bill savings. For property owners and property managers, the program will provide customizable engagement strategies tailored to the decision-maker for property upgrades. The program will promote benefits such as energy bill savings, operating cost savings, return on investment, and increased property value, as well as non-energy benefits such as health and comfort. The program will also offer technical assistance to property owners and managers in the form of	

unbiased program staff support throughout the project lifecycle. This turnkey service will engage decision-makers in energy upgrade decisions and ensure that projects achieve their intended energy cost savings and benefits.

The program will offer a systems tune-up assessment as an outreach strategy that will identify "quick-win" savings with project payback of less than two years. Building upgrades will be focused on impacts to CAM areas by providing energy audits to identify opportunities for energy efficiency measures. Recommended upgrades will be presented to the property owner or manager alongside corresponding costs, savings, and financial metrics. The program will offer rebates that can be stacked onto other applicable utility, regional, state, or federal program incentives, and will also provide financial resources to help secure external funding and financing, including for IDSM opportunities. Property owners and managers will receive guidance on state and municipal building code requirements and compliance, including reach codes and any upcoming Title 24 updates, to help guide upgrade decisions. Additionally, the program will offer unbiased reviews of contractor quotes to help make a contractor selection.

Specific to renters, the program seeks to meaningfully engage with the renter community—a group historically left out of traditional energy programs—by offering a package of free energy efficiency upgrades (direct install measures) for their residences. These upgrades will reduce residents' energy consumption and lower their energy bills, and can complement other existing state programs aimed at reducing income-qualified resident utility bills, such as the Energy Assistance Savings program. Rebates for additional energy efficiency measures will also be available. Targeted efficiency measures include attic and wall insulation, LED lighting, duct testing and sealing, low-flow shower heads, and faucet aerators. The program will also focus on improved indoor air quality for residents through electrification by targeting heat pump water heaters, induction stoves, heat pump clothes dryers. The program will target smart thermostats to support demand response and demand flexibility for residents. The program will leverage local contractors for installations to stimulate the local economy and support local workforce development.

The program will provide energy efficiency kits and educational opportunities for renters to create awareness of the benefits of energy conservation, energy efficiency, electrification, clean and renewable energy, DR program participation, and low-GWP refrigerants. Educational topics may include energy efficiency technologies, why the technologies are eligible for incentives, a sample project scenario with stacked incentives, and energy, financing, and policy-related terms.

The program aims to improve multifamily facilities while protecting tenants from potential increased rents that can result from property investments. As such, the program will partner with CBOs and trusted community partners with subject matter expertise alongside local municipalities to create awareness of existing and help inform new anti-displacement policies. An informed and community approach to anti-displacement policies will create a network involving tenants, property owners, and community partners where feedback is shared and incorporated, allowing all stakeholders to participate and prioritize the overall needs and long-term shared vision for the community.

Intervention Strategy: Downstream – Technical assistance, incentives (both rebates and Direct Install), education, training, and outreach. ● Personal project support for property owners and managers through turnkey technical assistance. ● Equitable and inclusive outreach and marketing materials, targeted and customized to property owners, managers, and tenants. ● Educational materials, including an EE starter kit for customers. ● Direct install of selected EE measures. ● Rebates for selected EE measures that can stack with, or meet gaps of, other program rebate offerings.	**Program Metrics:** ● kWh ● Therms ● TSB ● GHG reductions ● Number of EE kits delivered to participants ● Number of system tune-up assessments delivered ● Number of outreach strategies conducted ● Number of equity target participants expressing interest via one or more engagement channels ● Percent of disadvantaged community and HTR customer participants ● Number of and type of program referrals ● Sum of equity target and non-equity participants' expected first-year bill savings ● Number of partners engaged
High-level description of delivery workforce including necessary scale and its risks: SDREN staff and the program implementer staff will guide program participants through the SDREN residential program offerings and services in partnership with subcontracted engineering consultants, CBOs, and other community partners. Licensed local contractors, electricians, and equipment manufacturers will support the direct installation of energy efficiency measures. There are no known workforce related risks to the successful implementation of the program, though a delay in manufacturing and delivery (or high demand) of equipment could pose a risk to project completion timelines. Additional partners and stakeholders not under contract may include trade associations, chambers of commerce, and municipalities.	
Market actors necessary for success: ● Third party implementer(s). ● Trade professionals. ● Local contractors. ● Equipment manufacturers. ● Community-based organizations and community outreach partners. ● Property owners. ● Property managers. ● Tenants.	
Solicitation Strategy: Third-party Solicited	**Transition Plan:** Not applicable

Expected Program Life: 2024 - Ongoing	**Short Term Plan:** Launch program in 2024 and ramp up implementation through 2027.
Cost Effectiveness: 4-year TRC: 0.12	**Long Term Outlook:** ● HTR and underserved customers, specifically renters, have fair and equal access to programs. ● HTR and underserved communities leverage program resources and incentives at an equal or greater rate than customer base at large. ● Property owners and property managers are aware of program offerings and resources and have the policies to support energy efficiency upgrades.
Proposed Annual Budgets for 2024-2027: **2024:** $1,549,000 **2025:** $3,200,000 **2026:** $3,520,000 **2027:** $3,872,000 **2024-2027 Total:** $12,141,000	**Anticipated directional and scale changes in budget for years 2028-2031:** SDREN will continue to maintain program steady-state beyond 2027. For years 2028-2031, budgets will increase at a moderate 4% to address inflation and to meet increasing customer demand.
Implementation Plan: Implementation Plans for all SDREN programs will be developed after CPUC approval of SDREN's application and before implementation begins.	

Portfolio Management

Strategies to Optimize Portfolio and Manage Risk

A comprehensive set of goals and metrics, as outlined in this Portfolio Application, is central to SDREN's strategy for optimizing its portfolio. SDREN's approach to integrate these goals and metrics into our portfolio management is guided by several key strategies, as detailed below.

Establishing a Strong Foundation through Systems and Tracking: We recognize the critical importance of robust tracking and reporting systems to maintain a comprehensive record of program participation and results. These systems will ensure that all aspects of our portfolio are systematically monitored and evaluated. This foundational approach will allow us to maintain transparency, accountability, and a complete understanding of the impact of our programs.

Regular Access to Metrics and Progress: To ensure that our portfolio remains dynamic and adaptable, we will develop data systems capable of generating automated reports for reporting and analysis. This real-time performance tracking will provide us with up-to-date insights into the progress of our programs. It allows us to promptly identify successes and challenges,

offering opportunities for continuous improvement. This timely feedback loop will benefit both SDREN and our program implementers, empowering us to make informed decisions and adjust strategies as needed, while also informing our future planning activities.

Prioritization of Goals and Metrics that are Clearly Understood: We recognize that clarity is paramount in our goal-setting and metric selection. Prioritizing goals and metrics that are clearly understood by all stakeholders involved ensures that everyone is working toward a common purpose. This clear understanding fosters alignment and shared commitment to achieving the desired outcomes.

Adaptability and Adjustment to New Metrics and Goals: Our portfolio approach will remain nimble in order to adapt to any new metrics and goals as directed by the CPUC. We will also adjust targets based on evolving market trends or the unique needs of local communities. This adaptability ensures that our programs remain responsive to changing circumstances and are well positioned to achieve their objectives.

Goal Setting and Regular Progress Reporting from Implementers: Our strategy places strong emphasis on goal setting and regular progress reporting by our program implementers. SDREN will set regular reporting schedules while also adhering to any CPUC reporting timelines and requirements. Regular reflection on progress toward programmatic goals will ensure that all stakeholders are informed of successes and challenges, which can open dialogue to pivot and/or enhance implementation activities.

Adjustments to Programs to Optimize Delivery of Goals and Priority Metrics: SDREN seeks to optimize the delivery of goals. Strategies that may be implemented to accomplish this aim include modifying program strategies, reallocating resources, or introducing new initiatives to ensure that we are consistently on track to achieve our targets, while continuing to ensure programs comply with REN CPUC directives.

Our approach to using goals and metrics for portfolio optimization is built upon a foundation of systematic tracking, regular reporting, and evaluation of progress. These strategies ensure that we are not only meeting our goals but are also continuously refining and enhancing our programs to maximize their impacts.

How SDREN Will Stay On-Target

As described above, SDREN recognizes the importance of establishing systems and procedures for tracking and reporting to monitor portfolio progress and ensure it stays on track to achieve its targets. One key element of these plans involves SDREN's implementation of a customer relationship management (CRM) software platform. SDREN's CRM will track progress across all SDREN programs. This platform will form the backbone for collecting, storing, and managing data related to program targets. Further, third party implementers will be expected to use their own tracking databases when appropriate; their data will be shared with SDREN for upload and import to their internal CRM.

To oversee data collection and reporting, a dedicated reporting lead will collaborate closely with program implementers. The lead will be responsible for coordinating the data collection efforts

across various programs, ensuring that data is collected accurately and in a timely manner, while ensuring adherence to any CPUC reporting requirements.

SDREN is committed to ongoing assessment and analysis of portfolio reports. These reports will be broken down by sector, segment, and individual program, enabling a granular evaluation of performance. The reports will cover key performance metrics and status, including but not limited to energy savings, TRC, and TSB, among others. Continuous assessment will ensure that the program is informed of progress and allows for timely identification of potential areas of concern. Any metrics appearing to be at risk of not meeting the 4-year portfolio targets or goals will be promptly flagged. SDREN will subsequently initiate a structured process and request that implementers develop a corrective action plan that specifies the actions, strategies, and resources needed to get the targets back on track.

Approach to Risk Management

As the threat of climate change looms, it is imperative for any program portfolio to have a risk management strategy in place. The San Diego region, like many others in the state, has faced a range of unpredictable events, including pandemics, wildfires, flooding, and droughts. These occurrences have underscored the necessity of proactive planning for unforeseen challenges.

As a community choice aggregator (CCA), SDCP is familiar with the risks and liabilities associated with handling customer data. SDREN will leverage SDCP's experience and customer data confidentiality policy to protect customer information and mitigate the risk of data breaches.

The County of San Diego's Office of Sustainability and Environmental Justice (OSEJ) is a PA of SDREN. This relationship equips SDREN to conduct region-wide assessments following any unpredictable event. Through these assessments, we can swiftly gauge the impacts of events such as natural disasters or crises, enabling SDREN to make data-informed decisions on program adjustments and resource allocations. SDREN is also able to quickly coordinate with SDG&E in these circumstances so resources can be mutually mobilized as needed.

While unpredictable events can present challenges, they also create opportunities for targeted and creative solutions. Such events may lead to increased program participation as communities seek solutions to address their immediate needs. SDREN is positioned to identify and implement approaches that address the evolving priorities of our stakeholders and provide value during times of crisis.

SDCP was not administering customer programs during the beginning of the COVID-19 pandemic, as SDCP officially launched its service and began enrolling customers in March of 2021. Although SDCP was not administering programs when COVID first emerged, best practices from that time were adopted that will be applied to SDCP's management approach. The COVID-19 pandemic demonstrated the importance of adaptability, resilience, and community focused solutions including:

- Similar to other agencies, to limit the spread of COVID-19, SDCP adopted best practices like remote work which has remained post pandemic.
- Taking measures to avoid any breakdowns in IT security.
- Staff are equipped with tools to be able to work collaboratively.

The County of San Diego has developed a robust COVID-19 response that is rooted in health equity. Through data examination, the County identified disparities among race/ethnic groups, age, zip code and other factors. This data helped to inform strategies to ensure equity.

Components of the County's COVID-19 response include the Test, Trace, Treat (T3) strategy, a large-scale public health strategy which uses collaborative effort to achieve collective impact in protecting the public's health and ensuring the continuity of such protection throughout all stages of the region's reopening. The T3 Strategy includes accessible COVID-19 testing, culturally competent disease investigation, and assistance with safe isolation with individualized services.

Throughout all COVID-19 response activities, multiple strategies have been employed including:

- A focus on equity.
- Early, active, and sustained engagement of community partners.
- Utilization of scientific evidence and data.
- Proactive transparency and communication.
- Clear goals and measurable results.
- Culturally responsive hiring and staffing practices.

Approach to Flexible Portfolio Management

SDREN has set forth clear high-level goals and crafted **portfolio, segment, and sector-specific strategies** to deliver outcomes that align with our overarching vision. As a smaller non-IOU program administrator, SDREN is well positioned to respond to unexpected events or market adjustments, enabling us to remain agile in the face of change.

Drawing lessons from other regional energy networks that have showcased their ability to remain nimble and adjust program offerings, incentives, or open and close programs to respond to market changes, SDREN is similarly committed to managing our portfolio, segments, and sectors with adaptability in mind. Our primary focus will be on overall management across different levels, ensuring that each program contributes to our overall vision and adheres to SDREN's core values.

SDCP, serving as the lead portfolio administrator, will oversee, manage and regularly assess if adjustments are necessary within the portfolio to properly manage portfolio, sector or segment level outcomes. These assessments will occur via forecasts, tracking and regular evaluation of outcomes, and review of schedules and costs against established forecasts. SDREN's Advisory Committee, made up of local and regional governments and community-based organizations, will also provide feedback on these assessments and recommend portfolio enhancements. SDREN will consider forming sector-specific ad hoc committees that include subject matter experts who will be informed on program assessments. These experts will guide and advise sector strategies to ensure alignment with the overarching portfolio vision.

SDREN will monitor market trends and emerging opportunities to identify where SDREN could effectively fill gaps. This includes any changes to the SDG&E EE portfolio, such as the closing of a third party program. SDREN will regularly coordinate with SDG&E on opportunities to fill gaps, including opportunities to develop offerings that leverage additional programs or funding

opportunities for San Diego communities. If an issue or opportunity is identified, SDREN will work collaboratively with appropriate partners to make adjustments to scopes, budgets or schedules to meet the portfolio's needs. This adaptability extends to the closing or developing of new programs as circumstances dictate. All of these activities will focus on both administrative efficiency and portfolio effectiveness.

Planned Procedures and Course Correction if Off-Track

As detailed above and in Exhibit 1, SDCP will oversee the SDREN portfolio, taking responsibility for both the oversight and management of goals and outcomes, including key metrics. While it's important to note that as a regional energy network, SDREN is not subject to specific cost-effectiveness requirements, we are committed to managing the portfolio to deliver on key metrics. These metrics include TSB, SDREN's unique value metrics, and program specific metrics, all of which will be achieved within budget over the 4-year program period. We also recognize that additional efforts are underway towards the adoption of common long-term market support and equity goals and associated metrics. SDREN intends to engage in this process, since the majority of SDREN's portfolio falls within the equity and market support segments. Once these goals and metrics are finalized, SDREN will also oversee progress toward their achievement.

All programs will be implemented by third party implementers, so when metrics are off track, SDCP will work closely with the implementer to course correct and ensure that goals are achieved. Specific thresholds necessitating corrective actions will be determined depending on the priority of the goal itself. These thresholds will be individually established in each program's manual once the portfolio is approved and programs are launched. In the event that SDREN's portfolio, segment, or programs are noted to be off target based on the regular assessments described in the section above, SDREN will engage its implementer(s) to develop a corrective action plan. SDREN will embed guidance into its contractual documents with each implementer that will specify and outline procedures for the implementer to initiate the plans. Once reviewed and approved, the implementer will put the plan into action and the issue will be monitored until it is resolved. As appropriate, SDREN will engage the Advisory Committee and sector specific ad hoc committees on the proposed improvement plan for feedback and guidance.

Third-Party Programs

As mentioned in previous sections, SDCP is the lead portfolio administrator for the SDREN portfolio and will be responsible for soliciting and managing contracts, tracking performance, and making decisions to deliver on goals. Neither SDCP nor the County of San Diego will be directly implementing programs. Upon CPUC authorization of the SDREN, SDCP will issue solicitations for all programs and select third party implementers to design and deliver all of its approved programs. All of the implementation responsibilities will be solely with the implementer.

Solicitation Strategy

As SDCP serves as the lead portfolio administrator responsible for procurement, SDCP's procurement process will be followed for SDREN.

As a public agency, SDCP's procurement processes are open and transparent and all contracts above $125,000 are reviewed and executed by the SDCP Board. Contract approvals are placed on Board agendas and discussed at public Board meetings that are subject to the Brown Act. SDCP's Procurement Policy[63] establishes practices that facilitate efficient business operations and provide fair compensation and local workforce opportunities whenever possible within a framework of high quality, competitive service offerings.

The scope of solicitations will be based on the program cards included in this application. Solicitations will consider any market changes since submitting the Portfolio Plan, including new legislation, new CPUC decisions and guidance, SDG&E programs, or new programs such as the CEC Equitable Building Decarbonization DI Program. All programs included in this application will be solicited within six months of SDRENs authorization date.

Third-Party 2024-2027 Solicitation Schedule

SDREN anticipates releasing Requests for Proposals (RFPs) for the residential, public, workforce education and training, and codes and standards sectors in Q4 2024 and for the commercial sector in Q1 2025.[64] This is subject to change based on CPUC approval timelines and other unforeseen factors.

Risk Distribution

SDREN will follow processes and protocols established for SDCP including the following to mitigate and distribute risk across its portfolio:

- **Procurement Policy** establishes administrative procurement practices that facilitate efficient business operations and provide fair compensation and local workforce opportunities whenever possible within a framework of high quality, competitive service offerings.
- **Supplier Diversity** protocols to encourage diverse businesses to seek contracting opportunities with us. SDCP is committed to providing resources on the Supplier Diversity Program to ensure eligible vendors have the awareness and support they need to pursue certification. SDCP encourages all eligible vendors to seek certification through the CPUC Supplier Clearinghouse. Per California Senate Bill 255 (2019), community choice aggregators (CCAs) like SDCP are required to report to the CPUC on spending with diverse businesses, as defined by CPUC General Order 156.

[63] SDCP's Procurement Policy can be viewed here: https://sdcommunitypower.org/wp-content/uploads/2022/12/SDCP-Procurement-Policy_Adopted_2022.07.28.pdf.
[64] Assumes SDREN is authorized ahead of Q3 2024.

- **Inclusive and Sustainable Workforce Policy** demonstrates SDCP's commitment to inclusion extends to its supply chain. Where appropriate, and consistent with applicable law and other SDCP policies, including its Procurement Policy, to support a diverse and inclusive supply chain, SDCP will strive to:
    - Use local businesses and provide fair compensation in the purchases of services and supplies.
    - Proactively seek services from local businesses and from businesses that are taking steps to protect the environment.
    - Engage in efforts to reach communities of concern, to ensure an inclusive pool of potential suppliers.
    - Collect information from vendors and project developers on their status as a woman, minority, disabled veteran, and/or LGBT business enterprise.
    - Encourage reporting from project developers and vendors on inclusivity in business staff.
    - Be transparent about these practices and lessons learned.
    - Provide contact information for staff who can answer questions about this Policy.

Additionally, SDREN activities as it relates to its risk distribution of third-party programs fall under oversight of SDCP's Finance and Risk Management Committee (FRMC), a standing committee of the SDCP Board, subject to the Brown Act, whose purpose, as stated in section 5.10.2 of SDCP's JPA Agreement, includes providing input and oversight on matters related to financial policies and procedures and risk management policies and procedures.

Incorporation of Input on Current Solicitation Practices

This is not applicable to non-IOU PAs.

Supplier Diversity

SDCP is subject to the requirements of CPUC General Order 156 regarding supplier diversity. To increase the diversity of contractors and services that are utilized by SDREN, SDCP plans to post SDREN solicitations to the Supplier Clearinghouse portal which is visible to certified businesses. While SDCP, as a public agency, is subject to Proposition 209 constraints that prohibit preferential contracting based on race, sex, and ethnicity, it conducts outreach at events such as the CPUC Small Business Expo and within its own community to educate suppliers on the benefits of certification.

Per California Senate Bill 255 (2019), community choice aggregators like SDCP are required to report to the CPUC on spending with diverse businesses, as defined by CPUC General Order 156.[65] Through the statewide Supplier Diversity Program, established by General Order 156 from the California Public Utilities Commission (CPUC), the state aims to connect an increasing portion of these utility expenses with CPUC-certified minority-owned, women-owned, disabled veteran-owned, and/or LGBTQ-owned businesses. Certified suppliers are listed in the publicly

[65] SDCP's Annual Reports can be found here: https://sdcommunitypower.org/supplier-diversity/

accessible Supplier Clearinghouse database. Many utilities, including CCAs like SDCP, utilize the Clearinghouse to identify potential bidders for supplier solicitations.

Public Utilities Code Section 366.2(m) requires certain community choice aggregators, including SDCP, to annually submit to the CPUC: (1) a detailed and verifiable plan for increasing procurement from small, local, and diverse business enterprises, and (2) a report regarding its procurement from women, minority, disabled veteran, and LGBT business enterprises. To assist SDCP with its reporting obligations under Public Utilities Code Section 366.2(m) and with evaluating its supplier outreach and other activities, proposers that are awarded the contract will be asked to voluntarily disclose their certification status with the CPUC Clearinghouse, as well as their efforts to work with diverse business enterprises, including WBEs, MBEs, DVBEs, and LGBTBEs.

Continued Stakeholder Engagement on Solicitation Process

This is not applicable to non-IOU PAs.

Statewide Programs

SDREN does not anticipate management of statewide programs, but looks to support existing and future statewide programs. For example, SDREN plans to support or co-brand with BayREN's statewide program if it is deemed appropriate. SDREN programs will also channel projects and customers to statewide programs where applicable. As another example, if the public sector programs identify water or wastewater pumping or process optimization project opportunities, the program will coordinate with the statewide WISE program. Current applicable statewide programs where SDREN plans to coordinate are listed under coordination strategies for each sector.

Assessment and Mitigation of Risk from Portfolio Diversity

As SDCP is the lead Portfolio Administrator responsible for procurement and contract management, SDREN will follow all processes and protocols in place for SDCP, including compliance with SDCP's Procurement Policy, SDCP's Supplier Diversity protocols, and SDCP's Inclusive and Sustainable Workforce Policy.

As a public agency, SDCP is subject to the Brown Act, ensuring all SDREN procurement and contracting by its nature is open and transparent. In compliance with SDCP's procurement policies, SDREN contracts above $125,000 must be approved by the SDCP Board of Directors before final execution. For contracts below $125,000 informal bidding procedures will be applied.

Contract Management

SDCP is the lead agency in the administration of SDREN and will be responsible for contract management. Contract administration and management roles and responsibilities including monitoring, tracking, managing performance, and invoice processing will be described in the Memorandum of Understanding that will be executed between SDCP and the County of San Diego upon CPUC approval of SDREN and approved by their respective Boards. SDREN will deploy effective contract management practices to ensure compliance, meeting critical deadlines, and staying within approved budgets. All contracts will adhere to SDCP procurement policies, SDCP Supplier Diversity protocols and SDCP's Inclusive and Sustainable Workforce Policy, utilize approved language and templates, and comply with CPUC guidelines.

Portfolio Coordination

Coordination with Other PAs

SDREN will operate in a territory that only overlaps with one existing program administrator, SDG&E. Both SDCP and SDG&E have demonstrated commitment to maintaining regular and ongoing coordination, as evidenced by the Letter of Commitment provided in *Exhibit 3 - Appendix G: Letter of Commitment*.

- SDCP facilitates a bimonthly San Diego region CCA and SDG&E program coordination call to share information and to coordinate on customer-facing programs to ensure customers are well served.
- Meetings began in February 2023 and are ongoing. SDCP staff provide regular updates on REN developments.
- Program coordination calls with SDCP and SDG&E outside of bimonthly program coordination calls began in October 2023.
- Targeted meetings with SDGE sector specific teams occurred in October – November 2023.

SDREN and SDG&E are both committed to coordinating their respective programs, including all third party programs (3PP). Together, they aim to minimize duplicative offerings and ensure SDREN complements and supplements SDG&E and SDG&E's 3PPs while serving the purpose of the RENs.

SDG&E, in its recent Portfolio Application, emphasized its commitment to coordinating with regional energy networks:

- In the SDG&E Portfolio Application under Codes and Standards, on page 123, SDG&E notes that they will "partner and support collaboration with RENs to educate others on C&S activities."
- Under Portfolio Coordination on page 237, SDG&E notes: "...in the event that a Community Choice Aggregation (CCA) or Regional Energy Network (REN) EE PA is

> approved in SDG&E's service territory, SDG&E will coordinate program offerings with them to avoid customer confusion and duplication of efforts...SDG&E will partner with these entities to effectively deliver Energy Efficiency programs to our customers in our shared territory. In the case that a CCA is looking to start offering EE programs in its geographic location, SDG&E will support the interested CCA by sharing SDG&E's portfolio of programs, policies affecting EE, goals/metrics and overall administration of the EE portfolio. This will ensure that the CCA has the tools and support necessary to be successful."

In alignment with the JCM requirements that originated in D.18-05-041 and were refined in D.21-05-031 and D.23-06-055, SDREN will coordinate closely with SDG&E to develop a Joint Coordination Memo (JCM). The JCM will outline regular and ongoing coordination efforts between SDG&E and SDREN. This initial JCM will be developed and filed within 6 months of SDREN's authorization and ahead of program IPs being finalized. This will ensure coordination protocols are established prior to program launch. Updated JCMs will then be filed within 60 days of each true-up and mid-cycle Advice Letter filing to align with the timing of other RENs.

SDREN will maintain coordination with SDG&E ahead of SDREN's next four-year Portfolio Application. The primary objective behind this coordination is to maximize benefits to the community and customers. Through this approach, SDREN and SDG&E will work in the best interest of the participating customers by providing complementary tools that help bridge gaps in meeting the region's climate goals and avoid customer confusion.

As a new REN, SDREN plans to work closely with the other RENs through CalREN, a new statewide collaborative for California's existing RENs. CalREN's mission centers on fostering collaboration and unity amongst California's regional energy networks. CalREN provides a venue for RENs to work together to share resources and knowledge, use ratepayer funds cost-effectively, avoid duplicating services and customer confusion, speak with a unified voice in stakeholder engagement processes, and amplify their shared interest in issues that affect their communities. Together, California's RENs can leverage local knowledge, develop best practices, and conduct regulatory and legislative advocacy with a unified voice.

Additionally, SDREN looks forward to collaborating with all existing program administrators through various statewide initiatives and Project Coordination Groups (PCGs). Active participation in these statewide groups will enable SDREN to stay informed about emerging best practices as it emerges as a new program administrator. These groups help to create efficiencies through sharing of resources towards common goals and also promote statewide consistency. SDCP will join the California Energy Efficiency Coordinating Committee (CAEECC) as a program administrator coordinating committee member once authorized. In anticipation of becoming a program administrator, SDCP has already started participating in regular CAEECC meetings and is participating in joint program administrator calls regarding metrics.

How SDREN's Portfolio is Complementary With Other PAs in Service Territory

SDREN has completed a comprehensive review of SDG&E's 2024-2031 Business Plan, 2024-2027 Portfolio Application, solicitation schedule, and available Implementation Plans of existing

programs. Our approach involves closely monitoring Advice Letters and actively participating in public webinars for programs that are in the process of closing or are at the IP draft stage. This proactive strategy allows us to stay abreast of the latest developments in SDG&E's programs.

As previously mentioned, SDREN held meetings with SDG&E during the development of the SDREN Business Plan and Portfolio Application. SDG&E invited EE staff leading the sectors/segments identified by SDREN to provide updates on solicitation plans and review draft SDREN programs. SDCP also held sector-specific coordination meetings with the SDG&E commercial, codes and standards, WE&T, public, and residential sector and appropriate EE program team members to discuss any comparable programs, potential gap filling activities, and anticipated coordination strategies at the individual program level. This gave SDG&E an opportunity to ask any clarifying questions and voice any anticipated concerns with future program delivery. The matrix developed in coordination with SDG&E is listed in *Exhibit 3 - Appendix H: SDREN SDG&E Comparison Matrix*. The specific strategies discussed were also incorporated into the sector-specific coordination strategies outlined in earlier sector strategy sections. The goal of these interactions was to ensure SDREN's proposed programs are designed to complement SDG&E's planned and existing programs.

Given that SDG&E has several solicitations within the SDREN targeted sectors that are either ongoing or yet to be developed, SDREN remains flexible in its approach. After approval of the Business Plan, we plan to reevaluate certain programs and will make adjustments prior to soliciting programs to third parties. In situations where program services appear to be similar or overlap between SDREN and SDG&E, SDREN will market these programs to HTR customers not targeted by the SDG&E program.[66, 67]

The table below offers a sector-by-sector breakdown of how SDREN's portfolio complements SDG&E's, illustrating the strategic alignment and cooperation between the two Program Administrators to maximize benefits for the region.

Table 45. SDREN Summary of Complementary Offerings by Sector

SDREN Sector	How it complements SDG&E'S portfolio
Commercial	• Fill geographic and service gaps with SDGE&'s programs, with a focus on small businesses and corner stores.

[66] D. 23-06-055 Pg 88: The Commission also agrees with providing further direction regarding REN programs that only meet the criterion of serving hard-to-reach customers (and not the gap filling or pilot criteria confirmed by D.19-12-021). Such programs must be designed to target, and must market exclusively to, hard-to-reach customers or specific hard-to-reach customer segments. REN whole building multifamily residential programs that only meet the hard-to-reach criterion should target their marketing efforts to properties in which they can reasonably infer the majority of tenants are hard-to-reach customers; to facilitate coordination, we will require RENs to describe in their JCMs how they will identify customers or buildings to target marketing.

[67] D. 23-06-055 Pg 89: we expect programs offered by different PAs will not significantly overlap, except for programs intended to serve hard-to-reach customers. We maintain a preference for PAs to work collaboratively not only to minimize duplication in non-hard-to-reach customer populations but importantly to strive toward effective regional strategies and complementary program offerings; to be clear, PAs should communicate regularly in the course of administering their portfolios and preparing applications for future cycles; this regular communication is particularly important in light of the IOUs' solicitations, which could result in the launch of new programs at any time and potentially implicate existing programs offered by other PAs.

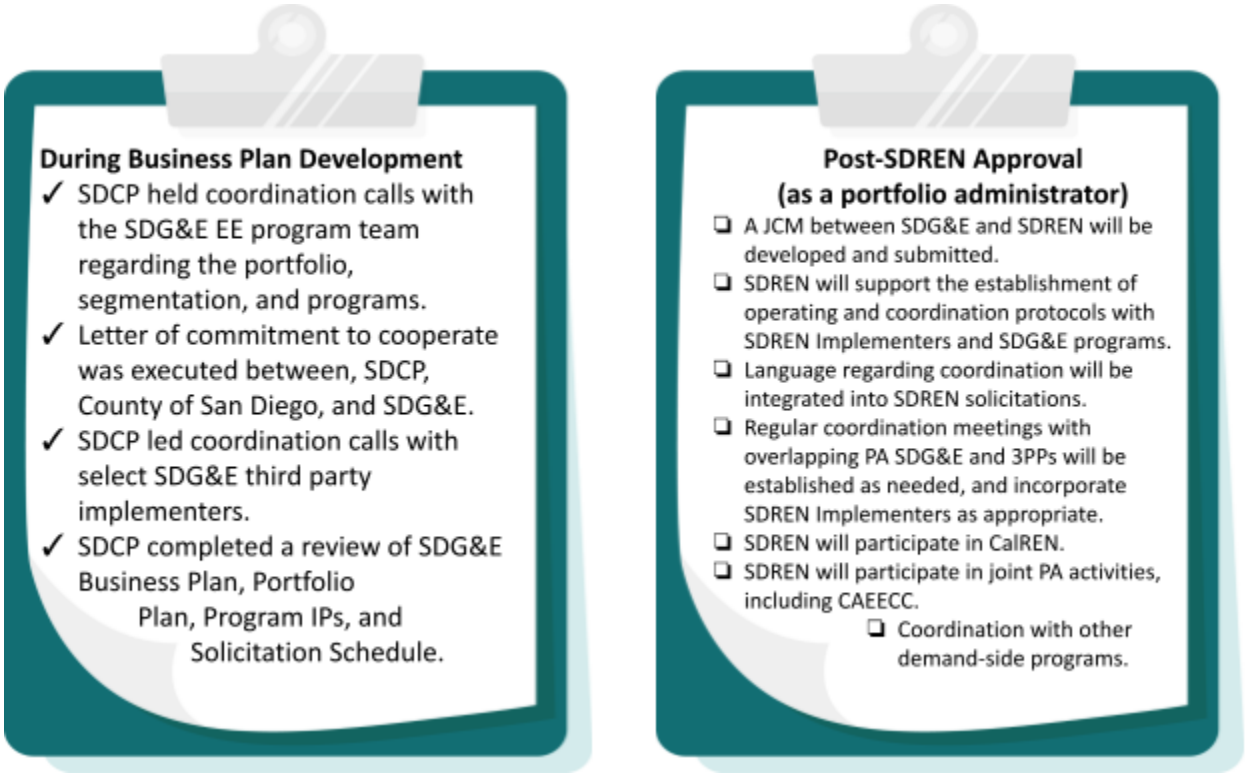
	• Customer engagement representatives will direct customers to programs that best suit their needs, including SDG&E programs. • Ongoing discussions with SDG&E as they finalize their commercial portfolio.
Codes & Standards	• Additional support for electrification mandates. • Customized educational solutions for public agency building departments. • Coordinate with SDG&E to develop complementary codes & standards and subsequent educational strategies to increase regional compliance and advance state goals.
Workforce, Education & Training	• Coordinate with SDG&E on potential internships and job opportunities. • Build upon curriculum offered in statewide programs by offering community college courses (CTE).
Public	• Coordinate targeting of K-12 schools to address gap left by discontinued SDG&E KEEP program. • Refer participating Tribes to SDG&E programs as appropriate. • Develop programming that addresses gaps for Tribal projects that do not qualify for SDG&E programs.
Residential	• Coordination with ESA - multifamily offering to support multifamily facilities only partially covered by ESA. • Coordinate with the ESA program to direct customers to program when eligible and measures will complement ESA measures. • Coordination with SDG&E residential equity program (anticipated launch Q3 2024) to identify complementary measures.

How SDREN's Portfolio Mitigates Duplication of Efforts

As described in the previous sections, SDREN's approach to portfolio design places a strong emphasis on complementing and coordinating with SDG&E's portfolio. This alignment extends beyond design and planning; SDREN remains committed to ongoing collaboration and coordination following authorization to prevent duplication of efforts or customer confusion and to ensure cost efficiency. Our actions during the development of this Portfolio Application reflect this commitment.

The figure below summarizes actions SDREN took during the development of the Business Plan and what actions are planned following authorization.

Figure 12. Activities to mitigate duplication of efforts between SDREN and SDG&E



How SDREN Will Coordinate Efforts With Other Demand-Side Programs

SDREN recognizes the importance of a coordinated approach with other demand-side programs to ensure maximum energy efficiency and customer benefit. Our coordination efforts include joint marketing initiatives, the stacking of incentives, and comprehensive customer education.

SDREN's commitment to coordination is integral to meeting our portfolio goals of advancing decarbonization, providing robust EE services that improve outcomes for underserved and HTR communities, and accelerating the clean energy economy through workforce opportunities. Our coordination plans entail a broad spectrum of strategies aimed at ensuring that demand side programs are interconnected and complementary, maximizing the benefits to our customers. The following table outlines the planned coordination and integration strategies:

Table 46. Coordination and Integration Strategies for Other IDSM Offerings

Other IDSM offerings	Coordination and Integration Strategies
IRA - Tax Credits, rebates, grants, & loans	• Increase customer awareness through education and outreach about offerings customized for customers by segment and program. • Support customers with the stacking of rebates with SDREN offerings. • Offer support services to customers to take advantage of tax credits, tax deductions, and grants where feasible. • Provide technical assistance and guidance to customers on how to qualify for and utilize IRA funding. • Include IRA opportunities in financial analyses for customers.
TECH Clean California	• Coordinate on workforce development efforts. • Offer education and marketing; seek co-branding opportunities. • Develop and integrate strategy for stacking of offerings and incentives. • Integrate C&S focus for heat pump permitting statewide efficiency efforts.
CEC Equitable Building Decarbonization Direct Install Program	• Coordination with selected Southern California program administrators. • Offer local marketing and outreach support. • Stack rebates and other offerings for customers.
Energy Savings Assistance Programs - Multifamily & Single-Family	• Multifamily: Assist eligible customers in accessing the program and facilitate stacking of incentives for non-deed restricted units. • Single-family: Assist eligible customers in accessing the program.
SDG&E Demand Response Programs[68]	• Base Interruptible Program (SDG&E proposes to retire this program in 2024) • Capacity Bidding Program (SDG&E proposes to retire the traditional CBP product due to lack of interest while retaining CBP Elect products) • Capacity Bidding Residential Pilot

[68] Application of SDG&E Requesting Approval of Its Demand Response Portfolio for Bridge Year 2023 and Program Years 2024-2027, Prepared Direct Testimony of E Bradford Mantz - Chapter 1B on Behalf of San Diego Gas and Electric Company, May 2, 2022. As of the writing of this document, the CPUC has not adopted a final decision on SDG&E's Demand Response portfolio for Program Years 2024-2027.

	● AC Saver Program (SDG&E proposes to rename program "Smart Energy Program" and expand program beyond ACs) ● Heat Pump Water Heaters ● Emergency Load Reduction Program (ELRP)
Self-Generation Incentive Program (SGIP)	● Deliver marketing and education to customers. ● Potential to support customers applying for incentives (eligible through IDSM funding).
SDCP programs	Assist eligible customers in accessing available programs, as appropriate. Programs include: ● Residential Solar and Storage Program ● Solar for Our Communities green tariff Program ● Commercial Peak Load Reduction Pilot ● Community Clean Energy Innovation Grant Program ● DAC-SASH Enabling Roof Repair Pilot ● Managed EV Charging Pilot
Clean Energy Alliance Programs	● Support marketing of programs to customers. ● Encourage and offer stacking of offerings where appropriate.
EV Charger Programs (CALeVIP's Golden State Priority Project, SDG&E Power Your Drive, etc.)	● Offer education and marketing of programs to customers. ● Provide support to access incentives (eligible through IDSM funding).
Market Transformation	● General collaboration with Market Transformation Administrator and initiatives to ensure program funds and efforts are aligned. ● Collaborate to support inclusion of currently non-cost-effective electric technologies in programs in support of transition to economic viability and broader adoption through programs. ● Support strategies related to building performance and grid interactive buildings. ● Explore opportunities to collaborate for C&S. ● Integration into WE&T programs.

Stakeholder Engagement in the Development of This Application

In response to the CPUC requirements of stakeholder feedback and SDREN's desire to have effective and community-centric programs, SDREN conducted robust stakeholder feedback

processes. The region's previous efforts to start a REN were examined and considered upon partaking in this effort. Key stakeholders include regional and community organizations as well as energy efficiency stakeholders across the state. A majority of feedback was overwhelmingly positive with support for the formation of SDREN, along with the proposed structure, values, strategies, and programs. An overview of this engagement is included in *Exhibit 1 - SDREN Business Plan (2024-2031), Stakeholder Engagement*.

In total, SDREN consulted with stakeholders in over 60 meetings throughout the development of the Business Plan. Business Plan updates and calls for feedback were also presented in eight public meetings. In both instances, feedback was encouraged and the process was communicated to ensure adequate time and information for review. All stakeholder feedback, including SDREN's response, can be seen in *Exhibit 3 - Appendix C: Stakeholder Feedback*. Feedback collected during this time period was generally in support of bringing REN resources to the region.

Evaluation, Measurement, and Verification

Summary of Planned EM&V Studies and Activities

SDREN is committed to actively participating in the evaluation, measurement, and verification (EM&V) process to ensure the effectiveness and efficiency of its energy programs. We recognize the importance of collaboration with various stakeholders to enhance the EM&V framework and contribute to well-informed decision-making on both SDREN and the energy efficiency portfolios across PAs. Our approach to EM&V aligns with the collective efforts of the energy community in California. We are committed to the following:

Engagement and Collaboration: SDREN plans to work closely with CPUC staff, IOUs, and other PAs, with a particular focus on coordinating with other fellow RENs. We will actively participate in the development of CPUC EM&V Roadmaps and engage in various EM&V studies and working groups to ensure alignment with statewide objectives.

Contribution to REN Studies: SDREN recognizes that there are common needs and objectives among RENs. We are committed to joining and contributing to studies and activities that are relevant to RENs, ensuring that our actions are in harmony with regional and statewide efforts.

Built-In Data Collection: In line with our commitment to sound program evaluation, SDREN plans to incorporate data collection mechanisms within each of our energy programs. This approach will facilitate the collection of valuable data needed for program performance assessment and the broader EM&V process.

Active Participation in EM&V Planning: We will take an active role in the planning and implementation of EM&V activities. This includes contributing to the design and execution of measurement and verification plans to assess the effectiveness of our energy programs.

By embracing these principles, SDREN will contribute to the continuous improvement of the EM&V framework and ensure that our energy programs deliver the expected benefits to the

community and the environment. We are dedicated to maintaining an open and collaborative approach, working hand-in-hand with the CPUC, IOUs, and fellow PAs to enhance the EM&V process for the benefit of all stakeholders.

Planned EM&V Studies: Following the approach outlined above, SDREN will build out a more comprehensive plan for EM&V studies following authorization. Some initial planned activities include:

- Leading an SDREN unique value metrics and goals study as described in the *Key Metrics and Outcomes* section.
- Supporting a study to set goals for the market support and equity segment indicators.[69]
- Coordinating with existing workforce assessments to determine gaps that could be supported through SDREN EM&V efforts towards prioritization of workforce development for electrification.

SDREN's Budget Allocation and Justification

SDREN has applied an additional 4% budget allocation on top of its portfolio budget request to set aside for EM&V activities. This equates to a total EM&V budget of $4,779,777. Pursuant to Decision 16-08-019, the total EM&V budget split between SDREN as the program administrator is at 27.5% and CPUC at 72.5%.[70]

Cost and Cost Recovery

SDG&E is the only overlapping program administrator with SDREN. Our recommendation is 100% of the funding and cost recovery come from SDG&E as the fiscal agent. This approach is also consistent with the Letter of Commitment signed by SDG&E.

Summary of Costs at Portfolio-level

SDREN built a program-level budget to deliver on the priorities of the region. As the budget was developed, inflation and program ramp up costs were considered. SDREN also assumed that programs would not launch until late 2024, therefore 2024 budgets are much smaller than future years. Detailed budget breakdowns are included in the *SDREN 2024-2031 EE Application Excel Sheets*, in accordance with CPUC Decision 21-05-031.[71] The below table summarizes portfolio-level costs.

[69] D.23. , OP. 25 "The portfolio administrators (PAs) shall set aside at least $1 million from their collective evaluation, measurement, and verification (EM&V) budgets and shall select one PA from among them to hire a vendor or vendors to conduct a study to set goals for the market support and equity segment indicators. By no later than March 1, 2025, the PAs must submit a joint Tier 3 advice letter…".
[70] D.16-08-019, pg. 81.
[71] D.23-06-055, OP5.

Table 47. Summary of Portfolio-Level Costs 2024-2027

Sector	Admin	M&O	Direct Implementation - Non Incentive	Direct Implementation - Incentive	Total
Commercial	$3,479,004	$2,087,402	$14,052,495	$15,171,137	$34,790,038
Cross Cutting: WE&T	$1,922,543	$1,153,526	$16,149,357	$0	$19,225,425
Cross Cutting: C&S	$732,396	$439,437	$6,152,122	$0	$7,323,955
Public	$2,325,001	$1,395,001	$12,823,341	$6,706,668	$23,250,011
Residential	$3,490,500	$2,094,300	$10,340,140	$18,980,060	$34,905,000
EM&V	$4,779,777	$0	$0	$0	$4,779,777
Total	$16,729,220	$7,169,666	$59,517,456	$40,857,865	$124,274,206

SDREN's Approach to Classification of Unspent Funds

SDREN will follow all procedures and guidance from the CPUC Energy Efficiency Policy Manual and Energy Division in coordination with SDG&E on classification and handling of "committed" funds. SDREN will apply the policy from the CPUC EE Policy Manual, which is quoted below:[72]

> *"Committed funds are defined as those associated with individual customer projects and/or are contained within contracts signed during a previous program cycle and associated with specific activities under the contract. Committed funds are not considered "unspent funds," and need not be spent during that program cycle so long as there is an expectation that the activities will be completed and that the committed funds are spent to complete the activities for which they were committed. Savings will be counted in the cycle in which the project is completed (D.12-11-015, pg. 92)."*

SDREN has reviewed SDG&E's approach to classification of "committed" funds in their Portfolio Application[73] and will apply best practices from their approach to committed funding as SDREN initiates operations.

[72] CPUC Energy Efficiency Policy Manual, Version 6, April 2020, Section II. 6.

[73] SDG&E EE Portfolio Plan Testimony (2024-2027) - Exhibit 2, pg. 254 "As part of the preparation for closing out the program year, SDG&E analyzes each program to identify existing contracts or approved program expenditures for which the underlying contracted service or program activity will be completed after December 31 of the program year. SDG&E retains copies of the contracts, agreements, engineering documentation, subsequent invoices, and any other relevant documentation that supports the identification of a future expenditure as committed to a prior program year and therefore not applied to reduce revenue recovery of a future program year. SDG&E monitors the status of committed funds through the future payment of the program expenditure. SDG&E does not propose any changes to the treatment of unspent, uncommitted funds for program years 2024-2027."

Energy Efficiency Portfolio Application

of the

San Diego Regional Energy Network

Exhibit 3

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City of National City
City of San Diego
City of Chula Vista
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City of Encinitas
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Acronym	Full Name	Definition
3PP	Third-Party Program	Non-Portfolio Administrator implemented program
AB	Assembly Bill	A legislative bill sponsored or authored by an Assemblymember
AHJ	Authorities Having Jurisdiction	Local entity with regulatory authority over a specific area, such as building officials
AKAB	Awareness, Knowledge, Attitude, and Behavior	A framework for surveys that helps evaluate programs
AL	Advice Letter	A filing by letter to the California Public Utility Commission to make minor changes in rates and services, that, unless ordered by the Commission, do not require formal public hearings
BayREN	Bay Area Regional Energy Network	A regional energy network composed of a regional collaborative that represents and serves the Bay Area's nine counties
BES	Business Energy Solutions	A sunsetting San Diego Gas & Electric program for small commercial customers
BHSA	Building and Housing Stock Analysis	A San Diego Community Power initiative in development that will provide data to help identify broad opportunities for decarbonization across member agencies
BPS	Building Performance Standards	A policy that establishes specific performance levels that buildings must achieve
BRO	Behavioral, Retro-Commissioning, and Operational Measures	A category of measures that either restore or improve energy efficiency and can be reasonably expected to produce multi-year savings
BUILD	Building Initiative for Low-Emissions Development	A program that offers technical assistance throughout all phases of all-electric residential building design and construction
C&S	Codes & Standards	A sector of energy efficiency programs that focuses on improving codes and standards
CAC	Community Advisory Committee	The primary purpose of the Community Advisory Committee shall be to advise the Board of Directors and provide for a venue for ongoing citizen support and engagement in the strategic direction, goals, and programs of SDCP.
CAEATFA	California Alternative Energy and Advanced Transportation Financing Authority	A state office that works collaboratively with public and private partners to provide financing solutions for California's industries, assisting in reducing the state's greenhouse gas emissions
CAEECC	California Energy Efficiency Coordinating Committee	A group and venue authorized by the California Public Utility Commission to collect stakeholder development on California energy efficiency programs
CalMTA	California Market Transformation Administration	A market transformation administrator that supports the increase of energy efficiency and GHG reduction by driving market adoption of selected technologies and practices
CalREN	California Regional Energy Networks	A statewide collaborative for California's five regional energy networks
CAM	Common Area Measure	Types of facility upgrades often conducted in common spaces of multifamily buildings
CAP	Climate Action Plan	A comprehensive document developed by local governments to address and respond to climate change
CAP4ZNE	Climate Action Plan for Zero Net Energy	A San Diego Gas & Electric program that provides energy efficiency incentives for local government customers

Acronym	Full Name	Definition
CARE	California Alternative Rates for Energy	A California Public Utilities Commission program for eligible low-income customers in which those enrolled can receive discounts on their monthly utility bills
CASE	Codes and Standards Enhancement Team	A statewide team that presents recommendations to support the California Energy Commission's efforts to update energy code (Title 24)
CBO	Community-Based Organization	An organization, often a nonprofit, that is created and operated by the members of a specific community to address local needs and promote the well-being of that community
CBP	Capacity Bidding Program	A year-round, event-based program where consumers reduce their energy usage during times of high demand
CCA	Community Choice Aggregator	A community organization of electricity customers who group together to solicit bids, broker, and contract for electricity and energy services to facilitate the sale and purchase of electricity and other related services on behalf of local citizens, businesses, and itself
CDFA	California Department of Food and Agriculture	A cabinet-level agency in California's government that promotes a safe, healthy food supply, agricultural trade, and environmental stewardship through grants
CEA	Clean Energy Alliance	A community choice aggregator providing power to the cities of Carlsbad, Del Mar, Escondido, Oceanside, San Marcos, Solana Beach, and Vista
CEC	California Energy Commission	A state agency responsible for forecasting future energy needs, keeping historical energy data, and promoting energy efficiency through appliance and building standards (among other things)
CEDA	California Energy Design Assistance	A program that offers energy efficiency incentives for new construction projects
CEI	Climate Equity Index	Documents developed by the Cities of San Diego and Chula Vista that identify their respective "communities of concern"
CEMs	Comprehensive Energy Management Solutions	Active San Diego Gas & Electric program for large commercial programs
Co2	Carbion Dioxide	A greenhouse gas that is a main component of Earth's atmosphere
CPP	Community Power Plan	San Diego Community Power's five-year strategic plan for selecting, developing, and offering local customer energy programs
CPUC	California Public Utilities Commission	A state agency that regulates California's privately-owned public utilities including electric power, telecommunications, natural gas, and water companies
CRM	Customer Relationship Management	Software platform that will help the San Diego Regional Energy Network track progress and manage data across programs
CTE	Career and Technical Education	A program connecting high school students to college degrees by identifying high school courses comparable to specific colleges courses and creating articulation agreements between them
DAC	Disadvantaged Community	Areas throughout California that most face a combination of economic, health, and environmental burdens

Acronym	Full Name	Definition
DBVEs	Disabled Veteran Business Enterprise	A company-level diversity certfication for organizations majority-owned and controlled by a disabled U.S. Veteran
DERMS	Distributed Energy Resource Management System	A system that applies the capabilities of diverse and dispersed distributed energy resources, both individually and in aggregate, to efficiently manage consumer demand
DERs	Distributed Energy Resources	Technologies that can support local electrical generation, control, and storage
DI	Direct Install	A type of energy efficiency measure provided directly to consumers at no cost through installation contractors
DOE	Department of Energy	A cabinet-level executive department of the federal government responsible for a variety of regulatory, research, and marketing programs related to energy production and use
DR	Demand Response	When consumers reduce their energy usage during times of high demand
ED	Energy Division	A division of the California Public Utilities Commission that develops and administers energy policy and programs to serve the public interest, advises the Commission, and ensures compliance with decisions and mandates
EE	Energy Efficiency	Reducing the energy used by specific end-use devices and systems, typically without affecting the services provided
EM&V	Evaluation, Measurement, and Verification	Studies used to measure and verify energy and peak load savings for programs, to generate data for savings estimates and inputs, and to evaluate achiveements of performance basis and progress towards goals
EPIC	Electric Program Investment Charge	Program established by the California Public Utility Commission that invests in scientific and technological research to accelerate the transformation of the electricity sector to meet the state's energy and climate goals
ESA	Energy Savings Assistance	A statewide program that provides utility bill cost support for low-income customers
ESJ	Environmental Social Justice	The fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation and enforcement of laws and policies
ESJAP	Environmental and Social Justice Action Plan	A framework established by the California Public Utility Commission to demonstrate and operationalize environmental and social justice principles throughout the agency's work
ESPM	Energy Star Portfolio Manager	An interactive management tool hosted by the Environmental Protection Agency (EPA) that enables energy benchmarking for buildings
ETP	Emerging Technology Program	Statewide program that tracks and supports the advancement of energy efficiency technologies
eTRM	California Electronic Technical Reference Manual	A statewide repository of California's deemed energy efficiency measures, including supporting values and documentation
EV	Electric Vehicle	A vehicle that uses an electric motor that draws electricity from a battery and is capable of being charged from an external source

Acronym	Full Name	Definition
FRMC	Finance and Risk Management committee	Standing committee of the San Diego Community Power Board whose purpose is to provide input and oversight on financial and risk management policies and procedures
FRPM	Free or Reduced-Price Meals	An indicator used that demonstrates the percentage of students at at district-level who are eligible (based on income) to receive subsidized meals
GHGs	Greenhouse Gases	Gases such as carbon dioxide, methane, and nitrous oxide that trap some of the Earth's outgoing energy, thus retaining heat in the atmosphere
GWh	Gigawatt Hour	A unit of power that represents one billion watt-hours
GWP	Global Warming Potential	A measure of how much heat a greenhouse gas traps in the atmosphere over a specific time period
HEEP	Higher Education Energy Efficiency Program	Statewide program that serves existing higher education facilities
HFCs	Hydroflourocarbons	"Super" greenhouse gasses that are being phased out due to their negative environmental impact
HPWHs	Heat Pump Water Heaters	Devices used to efficiently heat and cool spaces by using electricity to move heat from one place to another (instead of generating heat directly)
HTR	Hard-to-Reach	Customers who do not have easy access to program information or generally do not participate in energy efficiency programs due to a variety of barriers outlined by the California Public Utility Commission
HVAC	Heating, Ventilation, and Air Conditioning	The technology and systems used for controlling indoor climate, including temperature, humidity, and air quality in buildings and vehicles
ICC	International Code Council	An association of building safety professionals who lead model codes and standards
IDSM	Integrated Demand Side Management	A comprehensive approach to manage and optimize energy consumpion of consumers or end-users
IOU	Investor-Owned Utility	A type of utility company owned by private investors or shareholders. Major investor-owned utilities in California include Pacific Gas and Electric (PG&E), Southern California Edison (SCE), Southern California Gas Company (SCG or SoCalGas), and San Diego Gas and Electric (SDG&E)
IPs	Implementation Plans	Documents that include key details on how energy efficiency programs are implemented and measured against targets
IRA	Inflation Reduction Act	A federal law signed by President Biden in 2022 that contained $500 billion in new spending and tax breaks and included significant federal spending for reducing carbon emissions
IT	Information Technology	Set of fields that encompasses computer systems, software, and data information processing and storage
JCM	Joint Cooperation Memo	An agreement established between two program administrators to ensure strong coordination

Acronym	Full Name	Definition
K-12	Kindergarten-12th grade	The range of school grade levels publicly supported in the United States
kWh	Kilowatt-Hour	A standard unit of energy used to measure electrical consumption
LEAD	Low-Income Energy Affordability Data	Web-based tool hosted by the Department of Energy that allows for a better understanding of energy burden and housing characteristics for low-income and moderate-income households
LED	Light-emitting Diode	An energy efficient light source used for general lighting
LG	Local Government	A governing body made up of elected representatives that is responsible for the administration of public services and facilities in a designated area
LGBTBEs	Lesbian, Gay, Bisexual, Transgender Business Enterprise	A business that is majority owned, operated and controlled by an LGBT person
LSEs	Load Serving Entities	Any company that sells or provides electricity to end users
MAP	Market Access Program	A California Public Utility Commission-authorized program to reduce peak demand and address the statewide shortage of electricity
MC3	Multi-Craft Core Curriculum	A pre-apprentice certification program that provides an overview of skills and qualifications for each trade
ME&O	Marketing, Education, and Outreach	A dedicated budget category that supports the promotion and adoption of programs
MS	Market Support	A sector of programs that are intended to support the long-term success of the energy efficiency market, particularly through education, training, and making technologies more cost-effective
NEBs	Non-Energy Benefits	The many and diverse benefits produced by energy efficiency in addition to energy savings. This is a key metric for San Diego Regional Energy Network for serving equity customers
NMEC	Normalized Metered Energy Consumption	A simplified means of measuring energy savings that considers the overall reduction of energy measured at the individual meter level
NOAA	National Oceanic and Atmospheric Administration	A federal government agency responsible for monitoring and studying various aspects of the Earth's oceans, atmoshpere, and weather
OBF	On-Bill Financing	A program that offers 0% financing for energy upgrades
OEM	Original Equipment Managers	A company that produces original equipment that may be finalized by an aftermarket manufacturer
OSEJ	Office of Sustainability and Environmental Justice	Office in the County of San Diego that is helping lead San Diego Regional Energy Network
P&G	Potential and Goals Study	A study that develops energy savings goals to inform energy efficiency program planning
PA	Portfolio Administrator	Any party that receives funding for and implements energy efficiency programs
PCGs	Project Coordination Groups	Statewide groups that helps create and share best practices resources to promote statewide consistency in areas such as energy efficiency

Acronym	Full Name	Definition
PG&E	Pacific Gas & Electric	An investor-owned utility that provides natural gas and electric service to residential and business customers in northern and central California
QPLs	Qualified Product Lists	A list of products that have met qualification requirements stated in the applicable specification
RDF	Regional Decarbonization Framework	San Diego County's effort to guide the region's decarbonization efforts
REN	Regional Energy Network	Public entity partnerships authorized by the California Public Utility Commission to serve as energy efficiency program administrators
RFP	Request for Proposal	A business document soliciting bids from qualified vendors for services, including program implementation
RZNET	Regional Zero Net Energy Transformation	A regional third-party program that serves multifamily and manufactured homes
SANDAG	San Diego Association of Governments	A metropolitan planning organization and council of governments that brings together local decision-makers to develop solutions to regional issues including equity, transportation, clean energy, housing, and more
SB	Senate Bill	A legislative bill sponsored or authored by a member of the Senate
SCE	Southern California Edison	An investor-owned utility that provides natural gas and electric service to residential and business customers in central, coastal, and southern California
SDCP	San Diego Community Power	A not-for-profit public agency energy provider in the San Diego region
SDG&E	San Diego Gas & Electric	An investor-owned utility that provides natural gas and electricity to customers in San Diego County and Southern Orange County
SDRCC	San Diego Regional Climate Collaborative	A regional resilience hub and catalyst for collaborative, cross-jurisdictional work in the San Diego region
SDREN	San Diego Regional Energy Network	The proposed regional energy network in the San Diego region
SW	statewide	Refers to programs implemented across the entire state of California
SGIP	Self Generation Incentive Program	A California Public Utility Commission program that provides incentives to support existing, new, and emerging distributed energy resources
SMB	Small-Medium Business	Non-large commercial customers that are the focus of San Diego Regional Energy Network's commercial programs
STEAM	Science, Technology, Engineering, Arts, and Mathematics	An educational approach that incorporates the arts into the more-familiar STEM model, which includes science, technology, engineering and mathematics
T&Cs	Terms and Conditions	A set of rules, agreements, or guidelines that govern the use of a product or service
T3	Test, Trace, Treat	A large-scale public health strategy used by the County of San Diego during the COVID-19 pandemic

Acronym	Full Name	Definition
TECH	N/A	A statewide initiative to accelerate the adoption of clean space and water technology across California homes
TRC	Total Resource Cost	A test used to evaluate resource cost effectiveness of an energy efficiency program from the perspective of the total investment made by the program administrator and participants
TSB	Total Systems Benefit	An expression, in dollar terms, of the overall benefits of a program on an annual basis
TUAL	True Up Advice Letter	A Tier 2 advice letter filed in September, after the potential and goals have been adopted by the Commission, for PAs to true-up the portfolio and savings forecasts to the new goals if a portfolio has just been approved.
UCLA	University of California Los Angeles	University in California location that is home to the Luskin Center for Innovation
UVMs	Unique Value Metrics	Measurements that demonstrate a regional energy network's unique value proposition over time
VFDs	Variable Frequency Drives	A sample energy efficiency measure that includes installing a motor controller that varies the frequency and voltage supplied to maximize efficiency
WBEs	Women's Business Enterprise	A company-level diversity certfication for organizations majority-owned and controlled by a female U.S. citizen
WE&T	Workforce Education and Training	A segment of energy efficiency programs focused on preparing the current and future workforce for the state's energy needs
WISE	Water Infrastructure and System Efficiency	A statewide program that helps water/wastewater pumping customers to identify energy efficiency solutions
ZNE	Zero Net Energy	A descriptor for a building or portfolio where, on a source energy basis, the actual annual consumed energy is less than or equal to the on-site renewable energy generated

County of San Diego

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September 27, 2023

Karin Burns
Chief Executive Officer
San Diego Community Power
815 E Street Suite 12716
San Diego, CA 92112

SUBJECT: LETTER OF SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK

To Karin Burns,

On behalf of the County of San Diego (County), I am pleased to commit our support for the motion that will be filed by San Diego Community Power (SDCP) with the California Public Utilities Commission (CPUC) to create a San Diego Regional Energy Network (SDREN) that will list SDCP as the lead applicant and administrator.

The County's Office of Sustainability and Environmental Justice (OSEJ) serves as a central point for the County to shepherd collaborative sustainability solutions that are equitable, cost-effective, and feasible. We strive to reduce disparities and expand opportunities in traditionally underserved communities while working to achieve zero carbon emissions and safeguard the health of the San Diego region's people and natural resources. We champion regional initiatives, such as the County's Regional Decarbonization Framework (RDF)—a community-informed effort that is well-aligned with the goals of a Regional Energy Network in the San Diego region.

RENs require two public agencies as part of the governance structure. SDCP will serve as one agency; it will be the lead Portfolio Administrator and manage all fiscal, regulatory, procurement, and administrative responsibilities; and serve on the Oversight and Administration team. The County will serve as the second public agency; act as a thought partner for the ideation of program content; collaborate on initial development of the Business Plan; and serve on the Oversight and Administration team. Through the County's role, we would also participate in an SDREN Advisory Committee which would be composed of local and regional government representatives, along with representatives from community-based organizations, who will provide feedback to guide and advise SDREN on program outreach and enrollment, program evaluation reports, and program improvement recommendations.

We look forward to the partnership with SDCP and the opportunity to shape the development of energy efficiency programs for residents and business across the region. If you have any questions, please contact me or Brenda Garcia Millan, OSEJ's Group Program Manager and primary point of contact for the SDREN process and program, at 619-753-2523 or via email at BrendaG.GarciaMillan@sdcounty.ca.gov.

Sincerely,

Eden Brukman
Chief Sustainability Officer
eden.brukman@sdcounty.ca.gov | 619-782-8261

CC: Colin Santulli, San Diego Community Power
Sheena Tran, San Diego Community Power

Appendix C: Stakeholder Feedback

In alignment with SDREN's guiding principles, SDCP has engaged in comprehensive engagement with key stakeholders during the preparation of this Business Plan. Key stakeholders include regional and community organizations as well as energy efficiency stakeholders across the state as detailed below. A majority of feedback was overwhelmingly positive, with support for the formation of an SDREN, along with the proposed structure, values, strategies, and programs.

Stakeholder	Question/Feedback	Response/Considerations
San Diego Regional Climate Collaborative member	Support for pairing LED light fixtures with batteries for public program.	SDREN can consider this as a measure and recognizes that public sector energy use extends beyond buildings.
San Diego Regional Climate Collaborative member	There is a gap in building departments effectively reviewing plans and construction to ensure EE measures are being installed properly.	Public sector buildings could receive this type of review in the public sector program.
San Diego Regional Climate Collaborative member	The "Codes Coach" support with codes and standards from local government partnership programs was very helpful.	SDREN requested additional information on LGP experience to consider ways to integrate similar support into programs.
San Diego Regional Climate Collaborative member	Codes and Standards should include CAP staff to help with consistency.	SDREN can work with member agencies to identify agency stakeholders receiving C&S support.
San Diego Regional Climate Collaborative member	Is there opportunity for building upgrades to include panel upgrades for EV charging?	If the project is connected to eligible EE upgrades. SDREN will look to integrate where reasonable.
San Diego Regional Climate Collaborative member	Would the direct install allow people to replace gas stoves with electric ones?	Replacing equipment that uses natural gas with electricity (fuel substitution) is an eligible activity.
San Diego Regional	The regional approach in LGP	Noted. SDREN will look for collaborative

Stakeholder	Question/Feedback	Response/Considerations
Climate Collaborative member	programs was helpful. Sub-regional approaches to further tailor offerings could also be helpful.	opportunities for members as needed.
San Diego Regional Climate Collaborative member	Commercial programs could benefit from working with Carlsbad Green Business Program and San Diego Green Business Network.	SDREN can explore coordination with these programs and integrate strategies for its commercial program targeting small/medium businesses.
San Diego Regional Climate Collaborative member (multiple)	Expressed positive experiences with Civic Spark fellows being placed with city staff.	SDREN met with I-REN who also uses Civic Spark fellows to discuss this program as well as CivicWell's CivicSpark Deputy Program Director. Will consider ways to leverage fellowships to build capacity within member cities for WE&T programs.
San Diego Regional Climate Collaborative member	Would residential panel upgrades be considered energy efficiency?	Yes, they could be if tied to an energy efficiency project.
San Diego Regional Climate Collaborative member	Pairing public sector programs with fuel switching opportunities will be very helpful in support of the City's climate auction goals, and help refocus on energy efficiency.	Noted. SDREN will look to integrate electrification measures where possible.
San Diego Regional Climate Collaborative member	How does the CCA's participation affect SDG&E's motivation to support energy efficiency?	SDG&E has publicly referenced the importance of third-party programs and RENs to help fill gaps.
San Diego Regional Climate Collaborative member	I think all of the programs, not just the public sector will help advance CAP goals.	Noted.
San Diego Regional Climate Collaborative member	Interested in follow-up presentations and discussion with additional colleagues.	SDCP followed up with 2+ additional meetings with this member to present programs and gather feedback from additional colleagues.

Stakeholder	Question/Feedback	Response/Considerations
Port of San Diego	Majority of Port's commercial energy usage is from 10 primary businesses (tenants).	SDCP will coordinate with the Port once more information on SDCP pilot and SDG&E commercial program is launched.
SDCP Community Advisory Committee	Could SDREN support moderate-to-low-income families who want to switch from gas to electric?	Yes. SDREN can support electrification (fuel-switching). SDREN programs will aim to offer customized support to residential customers to help them access and complete energy efficiency projects.
SDCP Community Advisory Committee	Is there a limit to the amount of dollars that can be spent on a small or medium business for providing them with equipment?	Budgets have not been finalized at this time, but SDREN wouldn't necessarily want to set a firm limit. There are pre-determined budget categories such as admin and marketing that we won't be able to exceed. SDREN is designing budgets to maximize impacts for customers.
SDCP Community Advisory Committee	Multiple CAC members offer positive feedback that this program could support small businesses.	Noted.
SDCP Community Advisory Committee	What do you mean by supporting behavior change in programs?	The SDREN commercial program expects to provide education and resources to tenants that could influence different behavioral changes that would result in energy savings.
SDCP Community Advisory Committee	Will SDCP be working out the different budget categories? Can the CAC provide feedback if we think some areas are more important than others?	SDCP staff met with SDCP Programs Ad Hoc Committee following this suggestion to present draft budgets for feedback
SDCP Community Advisory Committee	What kind of ongoing financial commitment will there be from SDCP regarding the REN?	As a part of the Business Plan approval, SDREN would gain an administrative budget that would support SDCP staff working on SDREN. It is self-sufficient. All REN activities would be funded

Stakeholder	Question/Feedback	Response/Considerations
		through the approved budget. SDCP programs will collaborate with SDREN programs.
SDCP Community Advisory Committee	Has Clean Energy Alliance been engaged?	Yes.
SDCP Community Advisory Committee	Who is likely to be the second administering public agency?	SDCP is hoping to have a county-wide agency as the second, but do not have anything solidified yet.
CalREN	Presentation of programs and general supportive feedback of a REN in the San Diego region.	
Cleantech San Diego Working Group	Would SDREN programs allow training for electricians or solar installers?	Eligible workers interested in increasing their knowledge of energy efficiency practices can participate in SDREN programs. A number of EE projects require licensed electricians, making them an important part of the EE workforce. Future guidance from the CPUC on the integration of IDSM programs can help determine the participation of additional workforces, including solar.
Cleantech San Diego Working Group	Comment: consider emphasizing startup businesses in WE&T offerings, there seems to be a gap in the market.	Thank you. SDREN will consider.
Cleantech San Diego Working Group	Provided a resource of relevant study to SDREN: San Diego Report: Zero Emissions Cities (wbcsd.org).	Thank you. SDREN will review.
Cleantech San Diego Working Group	The commercial programs seem to raise awareness about existing	SDREN will work to minimize customer confusion and funnel customers to the

Stakeholder	Question/Feedback	Response/Considerations
	programs - did we find in our market assessment that there's a need to just make people aware of existing initiatives?	program that best suits their needs. SDREN does not want to create programs for the sake of creating programs, and the Community Power Plan found that many people are unaware of existing programs.
Business Improvement District (BID) Alliance	Presentation of programs and general supportive feedback of a REN in the San Diego region.	
South County Economic Development Council	Presentation of programs and general supportive feedback of a REN in the San Diego region. Comment: congratulated us on the effort. Mentioned we really need workforce development programs; shortage of workers. No feedback on programs. Question: how many businesses are we trying to reach?	The number of businesses SDREN will aim to reach will be dependent in part on the budget. As an example, SDG&E program budget is 11M and aims to serve 5500 small businesses over 4 years.
CPUC Energy Division	Coordination on Business Plan content and REN formation updates.	
San Diego Area Chapter of International Code Council (ICC)	Presentation of programs and general supportive feedback of a REN in the San Diego region.	
SDG&E	General coordination and feedback on program design over a series of 6+ meetings.	See Program Comparison Matrix (Appendix H)

CLEAN ENERGY ALLIANCE

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of Clean Energy Alliance (CEA), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

CEA is a Joint Powers Authority operating a community choice aggregation in the cities of Carlsbad, Del Mar, Escondido, Oceanside, San Marcos, Solana Beach and Vista. CEA has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. CEA is pleased to be a member of the inaugural SDREN Advisory Committee to provide advisement on program outreach and enrollment, feedback on program evaluation, and recommend program improvements.

SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. CEA recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Barbara Boswell

Barbara Boswell
Chief Executive Officer
Clean Energy Alliance

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

November 3, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of Climate Action Campaign, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

As a non-profit organization with a mission to create a zero carbon future through effective and equitable policy action, Climate Action Campaign has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. Climate Action Campaign would be pleased to be a member of the inaugural SDREN Advisory Committee to provide advisement on program outreach and enrollment, feedback on program evaluation, and recommend program improvements. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. Working closely with both SDCP and the County since Climate Action Campaign was founded, we are confident SDREN will provide successful and equitable programming.

Climate Action Campaign recognizes there are significant gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address significant unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Nicole Capretz
Founder and Chief Executive Officer
Climate Action Campaign

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of MAAC, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

MAAC is a leading provider of comprehensive social services in San Diego County and provides life-changing services to nearly 100,000 individuals every year. We create healthier and stronger communities by providing a space where individuals and families can find means to self-sufficiency, through advocacy and access to high-quality programs in five key areas of focus: Housing, Economic Development, Education, Health & Well-being, and Advocacy & Leadership Development. Collaboration with community partners ensures MAAC remains on the forefront of the community's ever-changing needs.

MAAC recently worked with SDCP on the development of its five-year strategic plan for customer programs, known as the Community Power Plan. Energy efficiency (EE) programs were identified as a priority in the plan to achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. We heard firsthand from our communities that there is a great need for program opportunities that focus on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. MAAC is pleased to be a member of the inaugural SDREN Advisory Committee to provide advisement on program outreach and enrollment, feedback on program evaluation, and recommend program improvements.

SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. MAAC recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE

program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the CPUC to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Arnulfo Manriquez
President & CEO
MAAC

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

SANDAG

November 21, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

Subject: Support for San Diego Regional Energy Network (SDREN) Application to California Public Utilities Commission (CPUC)

Dear CPUC President Reynolds:

The San Diego Association of Governments (SANDAG) is pleased to support the proposed San Diego Regional Energy Network (SDREN) and its 2024-2031 Strategic Business Plan.

SANDAG has a history of supporting Energy Efficiency (EE) programs that achieve energy savings, reduce greenhouse gas emissions, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego Office of Sustainability and Environmental Justice (OSEJ), with SDCP as the program lead. SANDAG is pleased to be a member of the inaugural SDREN Advisory Committee to provide advisement on program outreach and enrollment, feedback on program evaluation, and recommend program improvements.

The SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. SANDAG recognizes that there are gaps in current regional EE programs and services. The SDREN will address unmet needs by expanding EE program participation and benefits in our communities. We are excited to continue our collaboration on this very important initiative and urge the CPUC to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Thank you for considering this request.

Sincerely,

COLEEN CLEMENTSON
Deputy Chief Executive Officer
CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

SAN DIEGO GREEN BUILDING COUNCIL

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www.sd-gbc.org

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Colleen FitzSimons

November 7, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the San Diego Green Building Council (SDGBC), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

San Diego Green Building Council is a community benefit nonprofit whose mission is to inspire, educate and collaborate within our community to transform our built environment toward true sustainability. We do this through our four focus areas, equity, decarbonization, health & wellness and water reuse. SDGBC has a history of supporting energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDGBC is pleased to be a member of the inaugural SDREN Advisory Committee to provide advisement on program outreach and enrollment, feedback on program evaluation, and recommend program improvements.

SAN DIEGO GREEN BUILDING COUNCIL

SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. SDGBC recognizes there are significant gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address significant unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Colleen FitzSimons
Executive Director
San Diego Green Building Council

CC:
Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

Climate Collaborative
SAN DIEGO REGION

December 1st, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the San Diego Regional Climate Collaborative (SDRCC) I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

SDRCC has a history of supporting energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County for more than a decade. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability. Since its inception in 2011, SDRCC has worked to support our members to advance climate change solutions that mitigate greenhouse gas emissions and adapt to the effects of climate change – including both SDCP and the County of San Diego.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDRCC is pleased to be a member of the inaugural SDREN Advisory Committee to provide advisement on program outreach and enrollment, feedback on program evaluation, and recommend program improvements.

SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The San Diego Regional Climate Collaborative recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities, and we look forward to supporting the implementation of these programs.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Climate Collaborative
SAN DIEGO REGION

Sincerely,

Darbi Berry

Darbi Berry
Director
The San Diego Regional Climate Collaborative

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the San Diego County Air Pollution Control District (SDAPCD), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

Energy efficiency (EE) programs support SDAPCD's mission to improve air quality to protect public health and the environment by ensuring that the region uses energy wisely, minimizing air pollution associated with energy generation. SDAPCD has a history of supporting equitable programs that achieve energy savings, reduce emissions, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. SDAPCD recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Kathleen Keehan
Chief, Emission Reduction Strategies

CC:
Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

Art Produce
CULTURE + COMMUNITY

October 25, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of Art Produce, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN). Art Produce is a community based non-profit cultural center located in the busy urban commercial district of North Park in San Diego. We recently worked with SDCP on the development of its five-year strategic plan for customer programs, known as the Community Power Plan. Energy efficiency (EE) programs were identified as a priority in the plan to achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. We heard firsthand from our communities that there is a great need for program opportunities that focus on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. Art Produce recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the CPUC to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Lynn Susholtz
Art Produce, Founder/Executive Director

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

ABASD | ASIAN BUSINESS ASSOCIATION

December 7, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the Asian Business Association of San Diego, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

Today, there are over 9,000 API-owned businesses in San Diego County, and approximately 24,692 self-employed Asian and Pacific Islander residents in the County. Based on our research we found that in 2021, API-owned businesses are generated $5 billion in regional economic impact, a significant figure that underscores the sales activity and revenue from these businesses. The Asian Business Association of San Diego is supportive of energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The City of San Diego recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Respectfully,

Jason Paguio
President & CEO

CC:
Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

7675 Dagget Street Ste 340 San Diego CA 92111
www. ABASD.org (619) 277-2822

City of Carlsbad

November 13, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of Carlsbad, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The City of Carlsbad has a long history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability. In 2019, the city adopted its first reach code which incorporated deep EE measures into new construction and major renovations. The city also continues to implement its Climate Action Plan, which is currently being updated, to promote EE programs that a REN would greatly support.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The City of Carlsbad recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Keith Blackburn, Mayor
City of Carlsbad

CC:
Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

November 15, 2023

To: President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

Re: **SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION**

Dear CPUC President Reynolds:

On behalf of the Center for Community Energy (CCE), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The Center for Community Energy was formed to promote energy efficiency (EE) and distributed energy resource programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

Last year the CCE conducted a study for San Diego County on promoting heat pump water heaters to the owners of multi-unit housing. One of the issues we identified was the lack of a local REN to provide the kind of support and guidance a REN can provide in this kind of task. Creating or joining a REN was one of the recommendations in our report: Eliminating Gas Hot Water Heaters From Multi-tenant Housing .

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions.

The Center for Community Energy recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Jose Torre-Bueno, PhD
Executive Director
Center for Community Energy

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

CITY HEIGHTS
COMMUNITY DEVELOPMENT

4001 EL CAJON BLVD. SUITE 205.
SAN DIEGO, CA 92105
619-584-1535
WWW.CITYHEIGHTSCDC.ORG

November 20, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds,

On behalf of City Heights Community Development Corporation, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN). For over 40 years, CHCDC has served the City Heights community implementing a variety of programs and projects for city planning, economic development, and resident services. CHCDC has been at the forefront, uplifting community priorities and connecting community members to actively participate in policy and land use planning processes. City Heights Community Development Corporation has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. In San Diego there is a need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. City Heights Community Development Corporation recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Rosa Olascoaga Vidal
Director of Policy
City Heights Community Development

IMPERIAL BEACH classic southern california

City of Imperial Beach, California

OFFICE OF THE CITY MANAGER
825 Imperial Beach Blvd., Imperial Beach, CA 91932 Tel: (619) 423-8615 Fax: (619) 628-1395

October 26, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: CITY OF IMPERIAL BEACH SUPPORT FOR THE SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

The City of Imperial Beach is pleased to support the creation of the proposed San Diego Regional Energy Network (SDREN).
The City of Imperial Beach has a long history of supporting energy efficiency (EE) programs that achieve energy saving and deliver other benefits that contribute to a more resilient economy for the San Diego region. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. Imperial Beach recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Tyler Foltz

Tyler Foltz
City Manager
City of Imperial Beach, CA

CC: Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

CALIFORNIA NATIONAL CITY 1887 INCORPORATED

December 6, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of National City, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

National City is supportive of energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse Countywide perspectives that will catalyze and deliver impactful, community-led solutions. The City of National City recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Benjamin A. Martinez
City Manager

CC: Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

Office of the City Manager
1243 National City Boulevard, National City, CA 91950-4397
619-336-4240 www.nationalcityca.gov

THE CITY OF SAN DIEGO

TODD GLORIA

MAYOR

November 30, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of San Diego, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The City of San Diego has a long history of supporting energy efficiency (EE) programs that provide our residents with financial savings while delivering many other benefits that contribute to a higher quality of life and more resilient economy. As the City works to deliver on ambitious climate action goals and provide relief for residents facing high energy rates, there is a great need for the new EE program opportunities that SDREN proposes. We particularly appreciate the focus on broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The City of

202 C STREET • 11TH FLOOR • SAN DIEGO, CA 92101

San Diego recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

TODD GLORIA Mayor City of San Diego	SEAN ELO-RIVERA City Council President City of San Diego	JOE LaCAVA City Councilmember City of San Diego

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

CITY OF CHULA VISTA **Office of the City Manager**

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

November 30, 2023

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of Chula Vista, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN). The City of Chula Vista has a long history of supporting energy efficiency programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County.

Chula Vista's previous 14-year Local Government Partnership with San Diego Gas and Electric allowed City staff to create programs to utilize California Public Utilities Commission funding in support of state goals in our community and in our municipal operations. Those funds allowed the City to offer a variety of programs including our Free Resource and Energy Business Evaluation, creation of the Chula Vista Climate Equity Index, development of the Chula Vista Climate Action Challenge, support for an Energy Code Coach for our Sustainable Communities program, contractor assistance to develop energy reach codes and even retro-commissioning of city facilities, to name just a few. Since the LGP ended in December 2020, it is obvious there is a great need for new program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity and increased energy affordability – programming that is lacking in our community and region.

My understanding is the SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Eric C. Crockett
Deputy City Manager
City of Chula Vista

cleantech SAN DIEGO

October 25, 2023

401 WEST A STREET
SUITE 200
SAN DIEGO, CA 92101
858-568-7777

cleantechsandiego.org

MISSION:
To accelerate clean technology innovation and promote the equitable deployment of sustainable solutions across the San Diego region for the benefit of the economy, the environment, and all members of the community.

Ms. Alice Reynolds
President, California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

Re: Support for the San Diego Regional Energy Network's (SDREN) 2024-2031 Strategic Business Plan Application

Dear President Reynolds:

On behalf of Cleantech San Diego, I am pleased to provide this letter of support for the establishment of the San Diego Regional Energy Network (SDREN). The proposed SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator.

Cleantech San Diego is a member-based business organization founded in 2006 that positions the San Diego region as a leader in the cleantech economy by fostering collaborations across the private-public-academic landscape, engaging in advocacy efforts to promote cleantech priorities, supporting energy entrepreneurs through the Southern California Energy Innovation Network, and encouraging more equitable investment across the San Diego region.

As part of the SDREN, it is our hope that the program administrators will look to San Diego-based businesses to help meet its energy efficiency goals. In 2016, Cleantech San Diego launched the Southern California Energy Innovation Network with support from the California Energy Commission. The program provides free resources through a consortium of regional partner organizations to help energy entrepreneurs successfully bring their innovations to market. Many of the companies we work with offer energy efficiency solutions. By partnering with these companies and supporting their entry into the market, the SDREN will provide energy efficiency solutions that help customers reduce their energy consumption while supporting local companies.

Thank you in advance for your support.

Sincerely,

Jason Anderson
President and CEO
Cleantech San Diego

EL CAJON
The Valley of Opportunity
Incorporated 1912

Community Development

November 22, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of El Cajon, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The City of El Cajon supports energy efficiency (EE) programs that achieve energy and cost savings to businesses and households, especially those most impacted by the high cost of energy. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The City of El Cajon understands there are gaps in the current EE programs and services that are offered in the San Diego region. We are confident that the proposed SDREN will fill these gaps and effectively address unmet EE program needs through significantly expanding participation and benefits in all of the region's communities.

Therefore, the City of El Cajon believes that this is an important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Anthony Shute, AICP
Director of Community Development
City of El Cajon

cc: Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

City of Encinitas

November 20, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of Encinitas, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The City of Encinitas has a long history of supporting sustainability and energy efficiency (EE) programs and projects that achieve energy savings and deliver other benefits that contribute to a more resilient climate for San Diego County. However, there is a great need for new EE program opportunities in the region. The development of SDREN would foster broad participation in new EE programs, generate customer equity, and increase access to affordable energy.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. City of Encinitas recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet needs by significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

DocuSigned by:
Pamela Antil
375134745D1849B...

Pamela Antil
City Manager

CC: Kellie Shay Hinze, Council Member, SDCP Board Member
Kerry Kusiak, Development Services Director
Crystal Najera, Sustainability Manager

GRID ALTERNATIVES San Diego

November 9, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of GRID Alternatives San Diego, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN). GRID's mission is to build community-powered solutions to advance economic and environmental justice through renewable energy. GRID bridges the clean energy divide, bringing renewable energy to communities of concern and training the green workforce of tomorrow through its residential and commercial solar and battery installations, workforce development, and clean mobility programs. Since opening in 2008, GRID San Diego has installed solar systems that will eliminate over 92,000 tons of carbon over the systems' life - equivalent in impact to planting 2.1 million trees, resulting in an estimated total client savings of $46 million. These projects also provided the venue for over 21,000 hours of hands-on experience. GRID San Diego has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. GRID San Diego recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Paul Cleary
Executive Director

cc:
Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

GRID Alternatives San Diego 930 Gateway Center Way San Diego, CA 92102 O 619.239.4743 F 619.923.3361 E infosd@gridalternatives.org W gridalternatives.org

International Code Council
San Diego Area Chapter

Carlsbad, Chula Vista, Coronado, Del Mar, El Cajon, El Centro, Encinitas, Escondido, Imperial Beach, La Mesa, Lemon Grove, National City, Oceanside, Poway, San Diego City, San Diego County, San Marcos, Santee, Solana Beach, Vista

San Diego Area Chapter
International Code Council

Established 1958
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4231 Balboa 257
San Diego, CA 92117

FY 2023

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December 4, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of **San Diego Area Chapter of ICC**, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN). The San Diego Area Chapter of ICC is a member organization representing Building Officials serving 21 jurisdictions within San Diego County.

The mission of the San Diego Area Chapter of ICC is to:

- Promote uniformity and consistency in the application of the building codes; and
- Promote public health and safety through education and training programs and active participation in the code development process; and
- Promote public awareness of the important role that building department services play in contributing to the quality of life in the San Diego Region

This mission contributes to a healthier, safer and more resilient building infrastructure and economy for San Diego County. There is a great need for the new Codes and Standards programs that SDREN proposes that are focused on the goals of broad participation, customer equity, and education.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Julissa Garcia, CID
Acting President
The San Diego Area Chapter of ICC

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

CITY OF
LA MESA
JEWEL of the HILLS

October 25, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of La Mesa, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

City of La Mesa has a long history of supporting energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability. This would support the City's Climate Action Plan (CAP) measures to reduce community wide greenhouse gas emissions and reach CAP goals.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. City of La Mesa recognizes there are significant gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address significant unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Greg Humora
City Manager
City of La Mesa

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

8130 ALLISON AVENUE • LA MESA, CA 91942 • TEL: 619.463.6611 FAX: 619.667.1131

LOCAL GOVERNMENT SUSTAINABLE ENERGY COALITION

520 Capitol Mall, Suite 440
Sacramento, California 95814

November 20, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear President Reynolds:

On behalf of The Local Government Sustainable Energy Coalition (LGSEC), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

LGSEC has a long history of supporting energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability. LGSEC has been an influential stakeholder in the creation of Regional Energy Networks and in supporting local governments in shaping California's clean energy future.

The SDREN will be administered by San Diego Community Power (SDCP) with support from the County of San Diego. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. LGSEC recognizes the San Diego region has significant opportunities to more deeply serve local governments and their communities with EE programs and services. We are confident that the proposed SDREN will fill gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration with SDCP on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Kelsey Wolf-Cloud
Climate and Energy Project Manager
CivicWell

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

CITY OF OCEANSIDE Planning Division

City of Oceanside

DATE: November 15, 2023
TO: President Alice Busching Reynolds, California Public Utilities Commission
FROM: Russ Cunningham, AICP, Principal Planner
SUBJECT: SDREN Strategic Business Plan Application

On behalf of the City of Oceanside, I'm pleased to offer this letter of support for the establishment of the San Diego Regional Energy Network (SDREN). As part of our City's climate mitigation efforts, we have learned about the impressive work being done by RENs in other parts of California and welcome the chance to collaboratively pursue similar efforts in the San Diego region.

The City of Oceanside has consistently supported energy efficiency (EE) programs promulgated by SDG&E, SANDAG, and other entities in the San Diego region, with an understanding that such programs provide a range of benefits to residents, businesses, and local governments. The City's Climate Action Plan and Energy and Climate Action Element promote energy efficiency citywide, and the City has implemented a wide range of projects and programs that reduce energy consumption and GHG emissions in municipal operations. The City has implemented methane cogeneration at its wastewater treatment plant, installed solar PV at several City-owned properties, conducted several energy efficiency retrofits at City Hall and other City facilities, and converted all street lights to LED. We look forward to working with SDREN to build upon these accomplishments and extend opportunities for energy efficiency and independence to all segments of the community.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will assemble diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions, bridging gaps in current EE programs and services and thereby significantly expanding EE program participation and benefits in the San Diego region.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Russ Cunningham, AICP
rcunningham@oceansideca.org
760-435-3525

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Office of the President

November 21, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of Palomar College, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

Palomar College, a federally-designated Hispanic Serving Institution, has a history of supporting energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability. Palomar College has recently launched a Heavy/Moderate Zero Emissions Vehicle Technologies Program and added EV Charging Infrastructure to its Transportation programs, and is partnering with North County Transit District on multiple training opportunities.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. Palomar College recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Star Rivera-Lacey (Nov 16, 2023 14:34 PST)

Star Rivera-Lacey, Ph.D.
Superintendent/President
Palomar Community College District
1140 W Mission Road
San Marcos, CA 92069

San Diego Foundation

2508 Historic Decatur Rd.
Ste. 200
San Diego, CA 92106
SDFoundation.org
619 235 2300

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November 15, 2024

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of San Diego Foundation, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

As our region's largest community foundation, the San Diego Foundation supports and facilitates action on issues affecting the quality of life for our region's diverse communities – including climate change. Since the establishment of our Climate Initiative in 2006, we have partnered with all 19 local governments and other public organizations throughout the region to catalyze regional action to reduce emissions and prepare our communities for the local impacts of climate change.

San Diego Foundation has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. In March 2023, San Diego Foundation collaborated with San Diego Community Power (SDCP) to launch its community grant program called the *Community Clean Energy Innovations* grant program. Through this program, we supported local clean energy projects and programs that provided economic, environmental, health, and community benefits.

There is a great need for the new EE program opportunities SDREN is proposing that are focused on the goals of broad participation, customer

equity, and increased energy affordability. The SDREN will be administered by SDCP and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. San Diego Foundation recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Pamela Gray Payton
Vice President, Chief Impact and Partnerships Officer
San Diego Foundation

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

San Diego Regional Chamber

402 West Broadway, Suite 1000
San Diego, CA 92101-3585
p: 619.544.1300
www.sdchamber.org

November 21, 2023

Alice Busching Reynolds
President
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Subject: San Diego Regional Energy Network (SDREN) 2024-2031 Strategic Business Plan Application – SUPPORT

Dear President Reynolds,

The San Diego Regional Chamber of Commerce (Chamber) respectfully requests the California Public Utilities Commission's (CPUC) approval of the San Diego Regional Energy Network (SDREN) and their 2024-2031 Strategic Business Plan Application.

As the largest local chamber on the west coast representing approximately 2,500 members and an estimated 300,000 jobs across the region, we are committed to making San Diego the best place to work and live. The Chamber's policy priorities include considering cost-effective ways to reduce greenhouse gas emissions, improving the reliability and safety of the energy grid, and minimizing power rates. The Chamber is pleased to support the San Diego Regional Energy Network proposal.

There is a great need for energy efficiency and affordability programs as San Diego County, and the eighteen cities within the County, strive to meet ambitious climate goals without negatively impacting ratepayers. The SDREN will provide numerous benefits to ratepayers within the San Diego region by stimulating the local economy thanks to job creation, funding infrastructure investments, and provide cost saving programs while increasing energy affordability. Additionally, the SDREN will promote energy efficiency and invest in critically needed grid modernization.

For these reasons, the Chamber is proud to support the SDREN proposal with San Diego Community Power and the County of San Diego's Office of Sustainability and Environmental Justice governing and administering the program. We stand ready to continue our collaboration with local organizations and businesses on this important initiative and kindly request the authorize the SDREN and their 2024-2031 Strategic Business Plan Application. Should you have any questions, please do not hesitate to contact Lauren Cazares, Policy Advisor, at lcazares@sdchamber.org.

Sincerely,

Jerry Sanders
President & CEO
San Diego Regional Chamber of Commerce

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

SDUSC

SAN DIEGO URBAN SUSTAINABILITY COALITION

November 30, 2003

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of San Diego Urban Sustainability Coalition, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

San Diego Community Power has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The San Diego Urban Sustainability Coalition recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

www.sdusc.org 342 Euclid Ave Ste 406 # 404 San Diego CA 92114 (619) 616-5890

SDUSC

SAN DIEGO URBAN SUSTAINABILITY COALITION

Eddie Price
Executive Director
San Diego Urban Sustainability Coalition

www.sdusc.org 342 Euclid Ave Ste 406 # 404 San Diego CA 92114 (619) 616-5890

SAN DIEGO COMMUNITY COLLEGE DISTRICT

CITY COLLEGE • MESA COLLEGE • MIRAMAR COLLEGE • COLLEGE OF CONTINUING EDUCATION

Operations, Enterprise Services, and Facilities

November 07, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the San Diego Community College District (SDCCD), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The San Diego Community College District serves approximately 100,000 students annually in its four colleges: San Diego City, Mesa, Miramar, and Continuing Education. The SDCCD has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego, with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The SDCCD recognizes that there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs by significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Joel Peterson
Chief Operations Officer
San Diego Community College District

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

November 22, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of The San Diego Green New Deal Alliance, we would like to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The San Diego Green New Deal Alliance supports programs that contribute to a more resilient and just economy for San Diego County, including energy efficiency (EE) programs that achieve energy savings. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The San Diego Green New Deal Alliance recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Ali Mariko Dressel, Chair,
San Diego Green New Deal Alliance

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

SAN DIEGO REGIONAL EDC

1100 Market Street, Suite 438
San Diego, CA 92101
p. 619.234.8484
sandiegobusiness.org

November 28, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of San Diego Regional EDC (EDC), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

EDC is an independently funded non-profit organization working to grow San Diego's economy. With investment from nearly 200 companies, public agencies, and private organizations, we are able to provide direct services to help companies grow and lead initiatives to enhance the region's competitiveness. EDC understands the importance of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. EDC recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

President Alice Busching Reynolds Page 2

We are excited to continue our collaboration on this important initiative and recommend that the California Public Utilities Commission authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Mark Cafferty
President & CEO

San Diego
Workforce
Partnership

October 23, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of San Diego Workforce Partnership, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

San Diego Workforce Partnership operates programs to prepare workers for occupations in the energy, construction and utilities sector. San Diego Workforce Partnership supports programs that create more jobs in the energy efficiency (EE) sector and help create a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. San Diego Workforce Partnership recognizes there are significant gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address significant unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities, including creating jobs for communities that face barriers to employment, career advancement and quality jobs.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Tony Young
Interim President & CEO
San Diego Workforce Partnership

CC:
Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

9246 Lightwave Ave. • Suite 210 • San Diego, CA 92123
(619) 228-2900 • TDD (619) 228-2983 • workforce.org

SAN DIEGO BUILDING
ELECTRIFICATION COALITION

27 October 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the San Diego Building Electrification Coalition (SDBEC) and the undersigned member organizations, we are pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

SDBEC is an alliance of nearly 40 community, business, faith, justice, and environmental organizations coming together to accelerate electrification in residential and commercial buildings. Building electrification is essential to meeting California and San Diego's ambitious climate goals by reducing greenhouse gas emissions, improving air quality in our homes and buildings, and protecting public health.

We support energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability. We hope to see EE programs that also support building electrification.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions.

SDBEC recognizes there are significant gaps in the current EE programs and services that are offered in our region. We believe that the proposed SDREN will fill these gaps in current EE programs and effectively address significant unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Kelly Lyndon Co-Chair San Diego Building Electrification Coalition	Colleen FitzSimons Executive Director San Diego Green Building Council	Tanish-Jean Martin Climate Community Director San Diego Urban Sustainability Coalition
Jim Miller Vice President AFT 1931	Ann Feeney Co-chair Building Electrification San Diego 350	Serena Pelka Policy Advocate Climate Action Campaign
Susan Wayo Board Member & Secretary Center for Community Energy	Amy Steward Executive Director Emerald Keepers	Marian Sedio Board Member North County Climate Change Alliance
Sean Armstrong Managing Principal Redwood Energy	Adria Fox Managing Director C4GS-ZEDlife	Leslie Gomez San Diego Climate Reality Project

American Institute of Architects San Diego	Cooper Marcus CEO and Chief Quitter QuitCarbon	Lucero Sanchez Community Policy Coordinator San Diego Coastkeeper
Alicia Nichols Gonzalez Mothers Out Front Organizing Manager, California	Chef Christopher Galarza, Founder Culinary Sustainability Consultant Forward Dining Solutions LLC.	Joy Frew Co-founder Fallbrook Climate Action Team
Jean Huy Managing Director Viet Vote SD	Rhea and Armin Kuhlman Co-Chair, Climate Justice Team First Unitarian Universalist Church of San Diego	Sister Maria A. Muhammad CEO I Am Green, Inc.
Adam Aron Green New Deal at UCSD	Adrienne Fusek Executive Director In Good Company	**Citizens' Climate** Lobby San Diego Chapters Marc Friedmann Citizens' Climate Lobby San Diego Chapters

Suzanne Hume Educational Director & Founder CleanEarth4Kids.org		

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission

Darcie L. Houck, Commissioner, California Public Utilities Commission

John Reynolds, Commissioner, California Public Utilities Commission

Karen Douglas, Commissioner, California Public Utilities Commission

SDSU | San Diego State University

Nov. 21, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of Smart Grid Lab at San Diego State University, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

Smart Grid Lab at SDSU work on multiple projects funded by federal and state governments and the private sector to enhance resilience of the power grid and decarbonize the energy delivery. SDSU has a history of supporting energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. SDSU recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Saeed Manshadi, Ph.D.
Assistant Professor, Electrical and Computer Engineering
San Diego State University
Director, Smart Grid Lab
Website: manshadi.sdsu.edu

SDSU | San Diego State University

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

Small Business Utility Advocates
548 Market St., Suite 11200
San Francisco, CA 94104
T: 415.602.6223; F: 415.789.4556

November 6, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of Small Business Utility Advocates (SBUA), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

SBUA is an active participant in the Commission's energy efficiency (EE) proceedings and has a long history of supporting EE programs that save energy, help the environment, and help small businesses and other underserved ratepayers. We also actively participate in the Affordability docket and understand how EE can help make energy more affordable.

There are gaps in California's current EE programs and ratepayers have a significant demand for new energy efficiency program opportunities, including in San Diego County. The San Diego Regional Energy Network will help fill these gaps by advancing programs that prioritize broad participation, customer equity, and enhanced energy affordability as their core objectives.

SBUA understands that SDREN will be overseen by San Diego Community Power (SDCP) and the County of San Diego, with SDCP serving as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) will represent the County and act as the second public agency in SDREN's governance.

We believe this structure will enable SDREN to serve as a platform for gathering a wide array of perspectives from across the County, including from small businesses and other Hard-to-Reach customers, which should enable the development and implementation of influential, community-driven solutions.

President Reynolds
California Public Utilities Commission
November 3, 2023
Page 2

For these reasons, SBUA urges the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Britt K. Marra
Executive Director
Small Business Utility Advocates
548 Market St., Suite 11200
San Francisco, CA 94104

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission
Service List for R.13-11-005

CITY OF SOLANA BEACH www.cityofsolanabeach.org
635 SOUTH HIGHWAY 101 • SOLANA BEACH, CA 92075 • (858) 720-2400 • Fax (858) 720-2455

November 16, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of Solana Beach, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The City of Solana Beach has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The City of Solana Beach recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Gregory Wade
City Manager
City of Solana Beach

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

SOUTHWESTERN COLLEGE

OFFICE OF ASSISTANT SUPERINTENDENT/VICE PRESIDENT, ACADEMIC AFFAIRS

Isabelle Saber, M.A.
Assistant Superintendent/
Vice President, Academic Affairs

Governing Board
Roberto Alcantar
Don Dumas
Kristine Galicia Brown
Robert Moreno
Corina Soto

October 26, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of Southwestern College, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

Southwestern College has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. Southwestern College there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Isabelle Saber (Oct 27, 2023 10:11 PDT)

Isabelle Saber
Assistant Superintendent/Vice President, Academic Affairs
Southwestern College

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

November 21, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

RE: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of The Urban Collaborative Project CDC (UCP-CDC), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

UCP-CDC is a BIPOC-led 501(c)3 non-profit organization based in and serving Southeast San Diego since 2013. We advocate for equity and resident capacity-building to overcome disparities in the areas of health, housing, art, transportation, and infrastructure. Our community healing process and collaborative social infrastructure is designed to build capacity by empowering, training, and supporting residents to identify and solve community issues together. UCP-CDC also works closely with the County of San Diego to provide outreach and community engagement for the Regional Decarbonization Framework, as well as with the City of San Diego to provide equitable engagement and seek resident feedback on the Environmental Justice Element for the city's General Plan. Given this work and our overall mission to improve equity in our community, UCP-CDC is supportive of energy efficiency (EE) programs that achieve energy savings and contribute to a more resilient economy and sustainable future for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability in under-resourced communities like Southeast San Diego.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. UCP-CDC recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and

effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Brian Pollard

Brian Pollard
Founder and Executive Director
The Urban Collaborative Project CDC

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

CITY OF VISTA
CALIFORNIA

Oct. 31, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the City of Vista, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The City of Vista has a long history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. The City of Vista recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

John Conley
City Manager
City of Vista

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

P: 760-726-1340 | cityofvista.com
200 Civic Center Drive, Vista, California 92084-6275

Local Union 569
San Diego and Imperial Counties
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
4545 Viewridge Avenue, Suite 100 San Diego, CA 92123-5615 (858) 569-8900
2420 Imperial Business Park Drive Imperial, CA 92251-4004 (760) 355-3000

December 8, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of IBEW 569, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

IBEW 569 represent 3,600 power professionals and union electricians in San Diego and Imperial Counties and has a history of supporting energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability. IBEW 569 enables our members to obtain life-long training and career skills to become leaders in the electrical industry. IBEW 569 members earn middle-class wages, enabling them to afford homes and to invest income back into the local community. Additionally, members receive high-quality family healthcare, and earn a solid retirement pension. With state-approved, tuition-free Apprenticeships in San Diego and Imperial County, the opportunities with IBEW 569 are endless for the next generation of electrical workers.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. IBEW 569 recognizes there are significant gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address significant unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Respectfully,

Jeremy Abrams, Business Manager

CC:

Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

Nora Vargas

CHAIRWOMAN

San Diego County Board of Supervisors

December 12, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Support for San Diego Regional Energy Network (SDREN) 2024-2031 Strategic Business Plan Application

Dear CPUC President Reynolds,

As Chairwoman of the San Diego County Board of Supervisors, I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

I firmly support energy efficiency (EE) programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a need for new EE programs, like SDREN, that are focused on broad participation, customer equity, and increased energy affordability.

SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide collect diverse County-wide perspectives to catalyze and deliver impactful, community-led solutions. While there are gaps in the current EE programs and services offered in our region, we are confident that the proposed SDREN will effectively address unmet EE program needs by significantly expanding program participation and benefits for our communities.

Our office is excited to collaborate on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application. Thank you for your consideration of this request and I am happy to provide any additional information.

Sincerely,

Nora Vargas
Chairwoman, District 1
County of San Diego

PORT of SAN DIEGO

December 6, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

On behalf of the San Diego Unified Port District (Port), I am pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

The Port team values innovation, and we leverage our experience, deep water berths, forward-thinking solutions, and relationships to expand opportunities for businesses and employees, all while protecting the health of our neighbors. The Port has a history of supporting energy efficiency (EE) programs that achieve energy savings, and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a need for the new EE program opportunities that SDREN proposes, and that are focused on the goals of broad participation, customer equity, and increased energy affordability. New EE programs through the SDREN align with the Port's Green Port Program, Climate Action Plan, and Green Business Network, which aim to implement projects and programs focused on EE within the public, industrial and commercial sectors within the Port's jurisdiction.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. The Port is pleased to be considered as an inaugural SDREN Advisory Committee to provide advisement on program outreach and enrollment, feedback on program evaluation, and recommend program improvements.

SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful community-led solutions. The Port recognizes there are gaps in the current EE programs and services that are offered in our region. The Port is

RE: SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

The Port is excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Randa Coniglio

Randa Coniglio
President / CEO
Port of San Diego

CC:
Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

SAN DIEGO COUNTY'S
BUILDING TRADES UNIONS
Fighting for San Diego Workers

October 11th, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave
San Francisco, CA 94102

Dear CPUC President Reynolds:

Subject: Support for San Diego Regional Energy Network (SDREN) 2024-2031 Strategic Business Plan Application

On behalf of the San Diego Building and Construction Trades Council, AFL-CIO representing 22 unions and over 35,000 workers, we write to express our strong support for the creation of the proposed San Diego Regional Energy Network (SDREN).

Our council has a long history of supporting energy efficiency (EE) programs that achieve savings and deliver additional benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions.

The City of San Diego recognizes there are gaps in the current EE programs and services that are offered in our region. We are confident that the proposed SDREN will fill these gaps in current EE programs and effectively address unmet EE program needs through significantly expanding EE program participation and benefits in our collective communities.

We are excited to continue our collaboration on this very important initiative and urge the California Public Utilities Commission to authorize the SDREN and their 2024-2031 Strategic Business Plan Application.

Sincerely,

Carol Kim
Business Manager

CC:
Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

Center for Sustainable Energy®

Center for Sustainable Energy
3980 Sherman Street, Suite 170
San Diego, CA 92110
Tel 858-244-1177
Fax 858-244-1178
EnergyCenter.org

December 12, 2023

President Alice Busching Reynolds
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102

SUBJECT: SUPPORT FOR SAN DIEGO REGIONAL ENERGY NETWORK (SDREN) 2024-2031 STRATEGIC BUSINESS PLAN APPLICATION

Dear CPUC President Reynolds:

Center for Sustainable Energy® (CSE) is pleased to provide this letter of support for the creation of the proposed San Diego Regional Energy Network (SDREN).

CSE is a national nonprofit that accelerates adoption of clean transportation and distributed energy through effective and equitable program design and administration. Governments, utilities, and the private sector trust CSE for its data-driven and software-enabled approach, deep domain expertise and customer-focused team. CSE's fee-for-service business model frees it from the influence of shareholders, members, and donors and ensures its independence. Our vision is a future with sustainable, equitable, and resilient transportation, buildings, and communities.

CSE is headquartered in San Diego and has a history of administering and supporting energy efficiency (EE) and building decarbonization programs that achieve energy savings and deliver other benefits that contribute to a more resilient economy for San Diego County. There is a great need for the new EE program opportunities that SDREN proposes that are focused on the goals of broad participation, customer equity, and increased energy affordability.

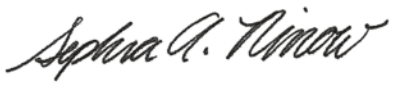
CSE is a member of the Program Administrator (PA) team for California's Solar On Multifamily Affordable Housing (SOMAH) Program, a statewide solar incentive program directed by the California Public Utilities Commission (CPUC). The SOMAH Program provides incentives for solar installations on existing multifamily buildings in low-income and disadvantaged communities and includes program requirements and initiatives related to EE, job training, and workforce development. EE program opportunities are identified, promoted, and discussed with property owners/operators and tenants, and the SDREN program opportunities would become part of this referral process. CSE also designed and administers the San Diego Solar Equity Program (SDSEP), a product of San Diego Gas & Electric (SDG&E)'s franchise agreement with the City of San Diego, which has an EE education and referral component as well. Participants in both SOMAH and SDSEP would greatly benefit from the programs outlined in SDREN's Business Plan Application.

Center for Sustainable Energy
Page 2
December 12, 2023

The SDREN will be administered by San Diego Community Power (SDCP) and the County of San Diego, with SDCP as the Lead Program Administrator. The Office of Sustainability and Environmental Justice (OSEJ) would represent the County and serve as the second public agency in SDREN's governance. SDREN will provide an important venue to collect diverse County-wide perspectives that will catalyze and deliver impactful, community-led solutions. CSE recognizes there are gaps in the current EE programs and services that are offered in the San Diego region. CSE is confident the proposed SDREN will help fill these gaps in current EE programs and effectively address unmet EE program needs by significantly expanding EE program participation and benefits in underserved and hard-to-reach communities.

CSE is excited to continue its collaboration on this very important initiative and urges the CPUC to authorize the SDREN and its 2024-2031 Strategic Business Plan Application.

Sincerely,



Sephra A. Ninow, J.D.
Director, Regulatory Affairs
Center for Sustainable Energy®

Cc: Genevieve Shiroma, Commissioner, California Public Utilities Commission
Darcie L. Houck, Commissioner, California Public Utilities Commission
John Reynolds, Commissioner, California Public Utilities Commission
Karen Douglas, Commissioner, California Public Utilities Commission

San Diego Regional Energy Network

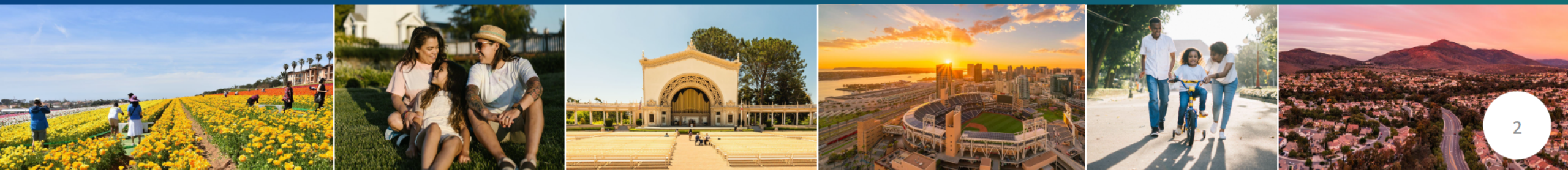
Presentation to the California Energy Efficiency Coordinating Committee (CAEECC) and other stakeholders

Presented by San Diego Community Power

November 29, 2023

Agenda

- Process for CAEECC Questions & Feedback
- About SDREN
- SDREN Sectors & Programs
- Budget & Metrics
- Timeline
- Questions & Feedback



Meeting Purpose

From CPUC Decision 19-12-021:

- *Any new REN business plan proposal must be vetted during at least one meeting of the CAEECC, for discussion and feedback.*
- *In its proposal to the Commission, the new REN will then be required to include a summary of the CAEECC meeting and feedback received, and any changes made to the proposal as a result of that stakeholder feedback.*

Process for Questions & Feedback

- Participants will remain muted during the presentation
- Please submit questions in the chat at any point and include the following:
  - Name
  - Organization
  - Indicate if you are a CAEECC member
    - *Member questions may be given priority over public comments or questions*
- Questions will be addressed at the end of the presentation
  - If an immediate response is not available, a response will be included in the summary report
  - Questions and feedback from today's presentation can be sent to stran@sdcommunitypower.org following the meeting and will be included in the summary report if submitted by December 1st
- The presentation is currently available on the CAEECC website
- The summary report will be available on the CAEECC website by December 8th

About SDREN

Why San Diego needs a REN

- ✓ San Diego County is the **second** most populous of California's 58 counties, and the fifth largest county in the United States
- ✓ No RENs currently operate in SDG&E territory
- ✓ Regional focus, opportunity to leverage region's existing collaborations
- ✓ Advance decarbonization strategies and action

Tan shaded areas indicate existing REN territory

Decarbonization Leadership

Regional Collaborations

- Local Government Partnerships
- San Diego Regional Climate Collaborative
- San Diego Association of Governments

Climate Plans and Studies

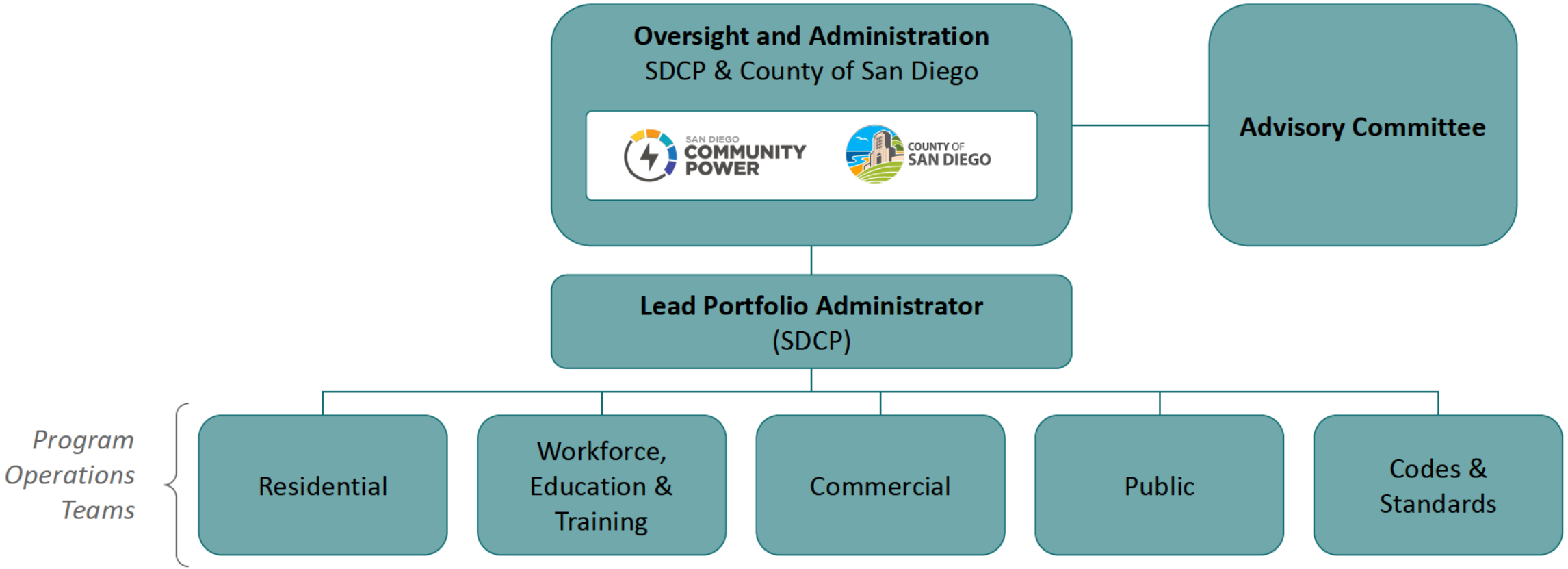
- Regional Decarbonization Framework
- Climate Action Plans and Updates
- Zero Carbon Portfolio Plan
- Building Housing Stock Analysis
- Community Power Plan

Lead Agencies

SAN DIEGO COMMUNITY POWER

COUNTY OF SAN DIEGO

Governance Structure



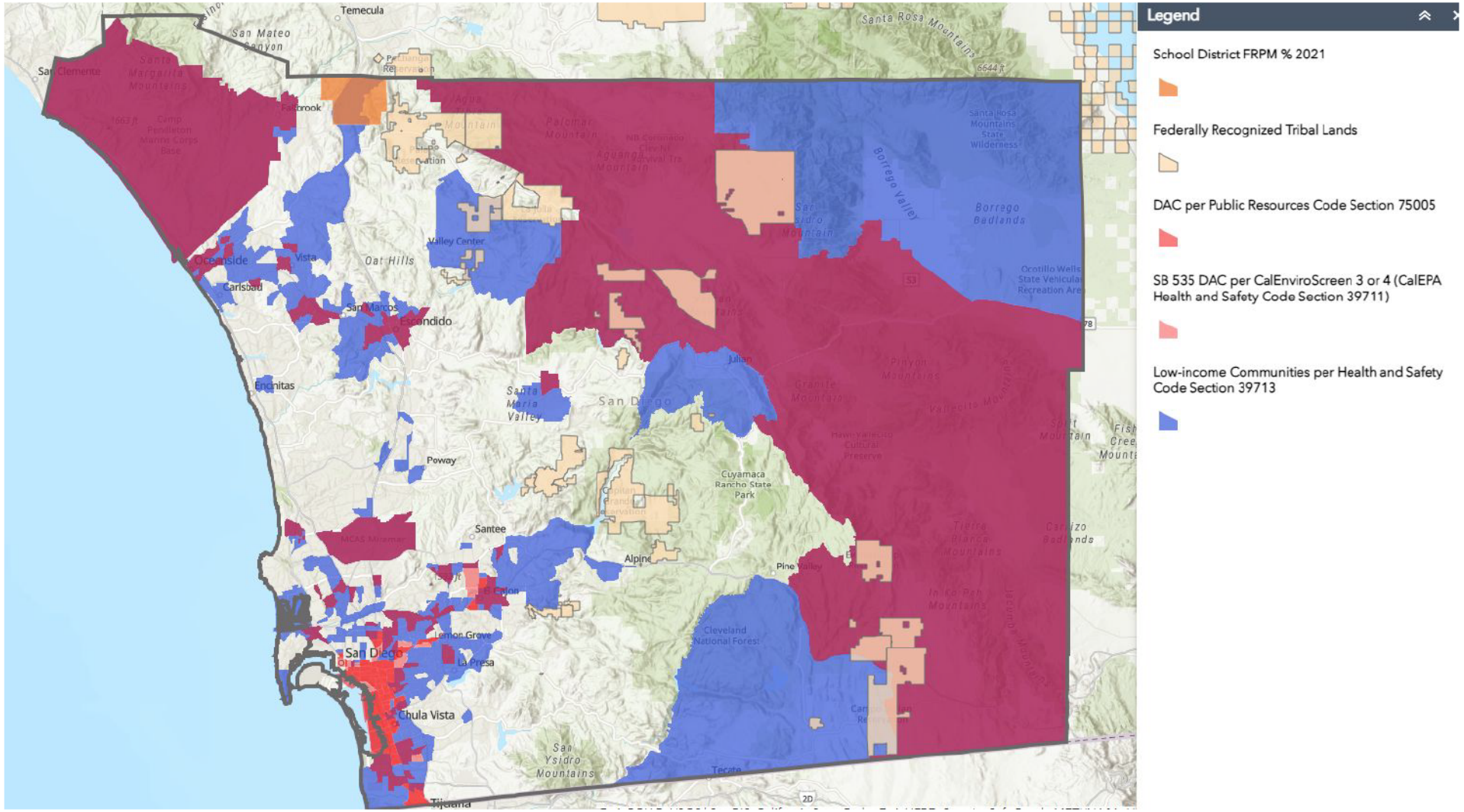
SDREN Service Territory: San Diego County

San Diego County

- 3.3 million people
- 18 incorporated cities
- 18 federally recognized tribes
- 70-miles of coastline
- International border
- High concentration of small businesses

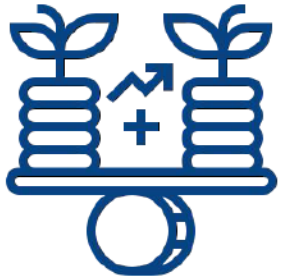
An Equity-driven Portfolio

Serving San Diego's hard-to-reach and underserved communities



Vision and Core Values

*SDREN's vision is to be a **driving force for communities** to adopt **clean, reliable energy** through community driven solutions that contribute to local and **state energy efficiency and climate goals.***



Integrate a collaborative and purposeful investment in the region's underserved and hard-to-reach communities

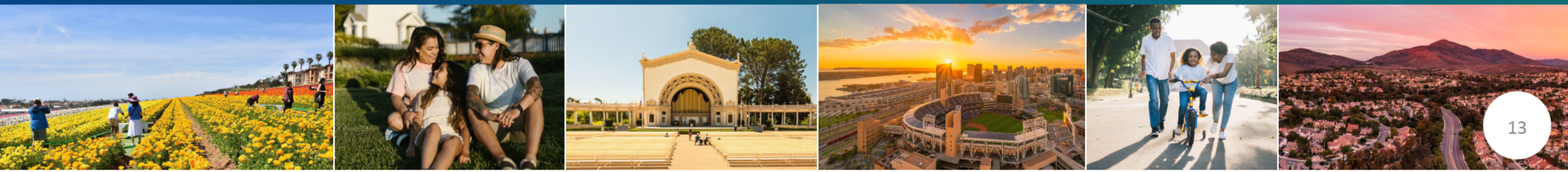
Grow a regional clean power economy that creates opportunities for the local workforce

Be a trusted local resource to coordinate regional policy, partnerships, and programs

Icons via flaticon.com

Goals

1. Advance decarbonization
2. Provide robust EE services that improve outcomes for underserved and HTR communities
3. Accelerate the clean energy economy through workforce opportunities



Key Strategies in Delivery

Principles of environmental justice connect throughout each of our six key delivery strategies

SDREN Sectors & Programs

Sectors and Target Population

- **Residential** – Homeowners, renters, property owners, tenants
- **Commercial** – Small and medium businesses
- **Public** – Public agencies within San Diego County
- **Workforce, Education & Training** – High school students, adult workforce, and employers
- **Codes & Standards** – City and County permitting authorities

Residential

Residential Insights

- Largest customer group in SDG&E territory
- Highest savings potential
- Residents find multiple program-entry points confusing
- Opportunities to highlight non-energy benefits
- Opportunities to stack other funding, such as IRA

SDREN Strategies

- Equity programs with focus on delivery to HTR customers offering in language outreach and anti-displacement policies
- Customized energy programs and strategies shaped by community input and tailored to meet unique community needs
- Provide 1:1 support to residents who can connect customers to all other available programs, services, and funding opportunities
- Renter-specific offerings including direct install upgrades and education with focus on non-energy benefits
- Assist resident enrollment in demand response (DR) programs and install DR-ready measures

SDREN Residential

Program Name & Segment	Audience	Description	Intervention Strategies
Single Family **Equity**	Homeowners and renters of single-family residences	Program support services will be adapted to the customer's needs whether they are a homeowner or renter. Provide guidance to identify energy programs and upgrades through connected contractors for homeowners.	• Personal 1:1 support • Closed loop design for the customer with a single source to provide guidance and referrals to connect participants with relevant program contractors (Single Family) • Equitable and inclusive outreach and marketing materials • Educational materials including an EE starter kit for customers • Direct install of selected EE measures • Rebates for selected EE measures that can stack with, or meet gaps of, other program rebate offerings
Multifamily **Equity**	Tenants; Property owners/ managers	Program offers a two-pronged approach targeting both multi-family property owners and managers as well as tenants to address facility upgrades that impact both common area maintenance (CAM) and renter-specific in-unit utility bill savings.	

Commercial

Commercial Insights

- Accounts for largest share of electricity consumption (40%)
- 77% of commercial sector consists of small customers (<20 kW demand)
- Almost two-thirds have fewer than five employees in San Diego
- These business owners have limited time and capital to invest in EE

SDREN Strategies

- Focus on hard-to-reach and underserved businesses
- In-language and inclusive outreach and services through trusted representatives
- Provide Energy Coach as connection point to available programs and services
- Direct Install approach to overcome cost barrier
- Facilitate access to programs that encourage long-term sustainable energy actions
- Expansion of SDCP pilot program

SDREN Commercial

Program Name	Audience	Description	Intervention Strategies
SMB Energy Coach **Equity**	Small and medium businesses	Raise awareness and increase adoption to EE practices & measures. Connect a dedicated energy coach to educate SMBs on the value of EE, support access to funding and financing, facility assessments, offer technical assistance & direct install.	• Facility energy report & opportunity assessments • Technical assistance • Direct installation • Funding & financing support
Efficient Refrigeration **Equity**	Small corner stores and food donation centers	Provide EE education, technical assistance and no-cost, DI efficient refrigeration equipment to support energy cost savings and non-energy benefits. Leverage other programs and resources to provide education on sourcing and promotion of healthy food. Deliver community outreach events to promote program services and provide education on the benefits of EE and healthy food.	• In-person and in-language outreach • Direct installation of high efficiency refrigeration equipment • Community-level and 1:1 education on EE and healthy food options • IDSM program participation education
FLEX Market **Resource Acquisition**	Commercial property owners	Work with contractors to offer customized incentives to reduce energy use at peak times. Utilizes a population NMEC methodology to verify savings while paying incentives based on TSB achieved, encouraging long-life measures that deliver maximum grid benefit. Local trusted entities will lead customer engagement to targeted high opportunity businesses with a focus on HTR and underserved businesses.	• Aggregator network • Performance-based incentives • IRA tax provision education • Targeted outreach

Public

Public Insights

- Most are small accounts (<20kW)
- Behavioral, retro commissioning, and operational measures make up largest EE potential
- SDG&E recently closed their K-12 EE program
- Trend towards integrating resilience opportunities
- Unique position to lead communities by example
- No Tribal specific strategies through EE-funding currently

SDREN Strategies

- Engage with public partners to inform strategies
- Provide education and build capacity on decarbonization, resilience, and programs
- Support regional decarbonization goals
- Develop customized analysis and roadmaps
- Offer technical assistance to identify and fund EE and IDSM projects
- Supplement with additional funding to go beyond EE
- Tribal engagement
- Promote & support other programs

SDREN Public

Program Name	Audience	Description	Intervention Strategies
Climate Resilience Leadership **Market Support**	Public agencies: • Cities • County • Educational agencies • Special districts	Customized and unbiased hands-on expert guidance and support services from EE project identification to completion for public facilities and assets. Focuses on decarbonization measures. Agency-wide benchmarking and strategic energy resilience planning. Targeted DI measures with focus to support K-12 schools. Offers educational resources, peer to peer learning opportunities and case studies. **coordinate with SDG&E Public Sector programs*	• EE & DER project identification and delivery services • Engagement, education & outreach • Direct Installation of EE measures
Tribal Engagement **Equity**	Tribes	Program will create a pathway for Tribes to develop, propose, and implement energy-related initiatives to address their unique needs and contribute to sustainability, resilience, and economic development within Tribal communities. Program resources will include tailored no-cost technical assistance, including a dedicated technical advisor to support development and implementation of initiative application ideas and champion their success.	• Project design services • Funding for implementation • Technical assistance • Access to energy experts

Workforce, Education & Training (WE&T)

WE&T Insights

- All RENs offer WE&T programs
- Potential to connect WE&T participants to other programs
- Move towards electrification brings with it a growing demand for a certified workforce

SDREN Strategies

- Leverage best practices from other REN WE&T programs
- Work with local employers to determine the emerging industry careers and necessary skills for incoming professionals to be successful in the industry
- Develop robust pipeline of skilled professionals to meet workforce opportunities
- Coordinate with SDG&E and engage CBOs doing WE&T
- Explore supplemental funding to complement programs

SDREN WE&T

Program Name	Audience	Description	Intervention Strategies
Energy Pathways Program **Market Support**	High school students	Program increases access to education and training resources needed to develop students' awareness of energy/green career pathways and helps them learn the necessary skills to enter the workforce.	• 1:1 career pathway assistance • Dual enrollment in STEAM college courses • Networking opportunities • On-the-job training, wraparound services
Workforce Training & Capacity Building **Market Support**	Adult workforce & employers	Enhance the clean energy workforce focusing on skill development for adult and incumbent workers. Targets both employees and employers to boost employee skill development and the employer capacity to work on electrification and decarbonization projects.	• Training and certification courses • Networking opportunities • On-the-job training, wraparound services • Training policy and program development • Worker placement programs

Codes & Standards (C&S)

C&S Insights

- Increasing complexity of energy codes and energy technologies applied in new and existing buildings
- Every REN has included C&S
- Similar focus on compliance and policy support for local governments
- Need for local customization
- Existing coordination

SDREN Strategies

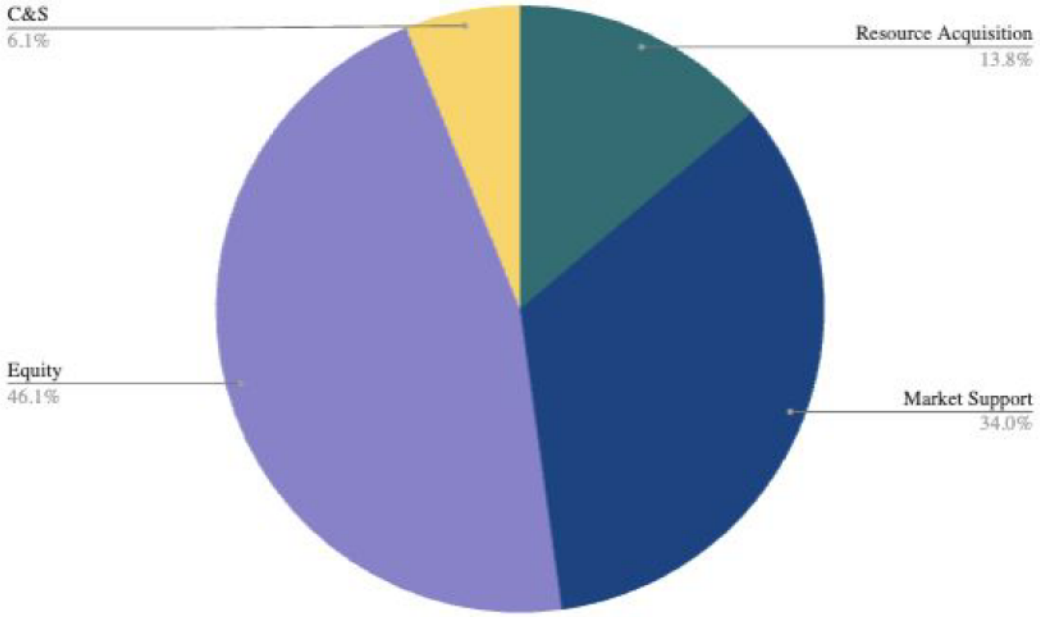
- Assisting and pushing forward electrification efforts by permitting entities
- Educating cities about building performance standards and promoting voluntary actions

SDREN Codes & Standards

Program Name	Audience	Description	Intervention Strategies
Codes & Standards	Public agencies – Permitting authorities	Policy and compliance support and enhancing communication and experience between permitting authorities and permit applicants.	• Needs assessment • Tools & templates • Customized one-on-one support • Educational workshops

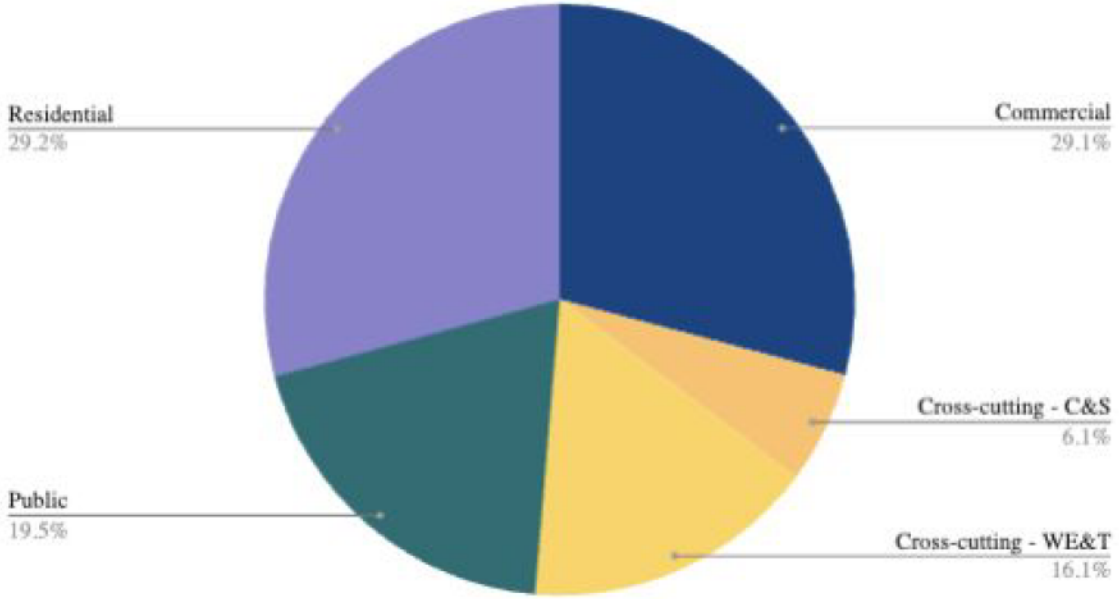
Budget & Metrics 2024-2027

Budget by Segment 2024-27



Segment	2024	2025	2026	2027	Total
C&S	$934,000	$1,930,500	$2,123,550	$2,335,905	$7,323,955
Equity	$7,023,000	$14,508,800	$15,959,680	$17,555,648	$55,047,128
Market Support	$5,184,000	$10,713,000	$11,784,300	$12,962,730	$40,644,030
Resource Acquisition	$2,102,000	$4,343,600	$4,777,960	$5,255,756	$16,479,316
Sub-total	**$15,243,000**	**$31,495,900**	**$34,645,490**	**$38,110,039**	**$119,494,429**
EM&V	**$609,720**	**$1,259,836**	**$1,385,820**	**$1,524,402**	**$4,779,778**
Total	**$15,852,720**	**$32,755,736**	**$36,031,310**	**$39,634,441**	**$124,274,207**

Budget by Sector 2024-27



Sector	2024	2025	2026	2027	Total
Commercial	$4,438,000	$9,169,800	$10,086,780	$11,095,458	$34,790,038
Cross-cutting - C&S	$934,000	$1,930,500	$2,123,550	$2,335,905	$7,323,955
Cross-cutting - WE&T	$2,452,000	$5,067,500	$5,574,250	$6,131,675	$19,225,425
Public	$2,966,000	$6,128,100	$6,740,910	$7,415,001	$23,250,011
Residential	$4,453,000	$9,200,000	$10,120,000	$11,132,000	$34,905,000
Sub-total	**$15,243,000**	**$31,495,900**	**$34,645,490**	**$38,110,039**	**$119,494,429**
EM&V	**$609,720**	**$1,259,836**	**$1,385,820**	**$1,524,402**	**$4,779,778**
Total	**$15,852,720**	**$32,755,736**	**$36,031,310**	**$39,634,441**	**$124,274,207**

TSB & Cost-effectiveness

	TSB ($)	TRC, no Admin	TRC, w/Admin	PAC no Admin	PAC w/Admin	Net kWh	Net kW	Net Therms	Tons CO2e
Portfolio	18,194,415	0.51	0.17	0.48	0.17	14,246,780	684	711,168	8,561
Resource Acquisition	7,428,942	0.64	0.39	0.87	0.46	12,615,801	0	0	4,278
Market Support	6,826,309	0.16	0.03	0.16	0.03	364,996	313	456,727	2,533
Equity	3,939,164	0.08	0.03	0.06	0.03	1,265,984	372	254,442	1,750
Codes & Standards	0	0	0	0	0	0	0	0	0
Commercial	9,021,653	0.51	0.27	0.62	0.29	15,493,358	372	(445)	5,215.47
WE&T	0	0	0	0	0	0	0	0	0
Public	6,826,309	0.16	0.06	0.16	0.06	364,996	313	456,727	2,532.83
Residential	2,346,453	0	0	0	0	(1,611,573)	0	254,887	812.57

	SoCalREN	BayREN	3C-REN	I-REN	Rural REN	SDREN
Governance	Los Angeles County	Association of Bay Area Governments (ABAG)	County of Ventura, County of San Luis Obispo, County of Santa Barbara	Western Riverside Council of Governments (WRCOG), Coachella Valley Association of Governments (CVAG), San Bernardino Council of Governments (SBCOG)	Redwood Coast Energy Authority (RCEA), Association of Monterey Bay Area Governments (AMBAG), County of San Luis Obispo (SLO), San Joaquin Valley Clean Energy Organization (SJVCEO), High Sierra Energy Foundation (HSEF), Sierra Business Council (SBC)	San Diego Community Power and the County of San Diego
Type	Local government; 1 county	Association of local governments	Local governments; 3 counties	3 COGs and each a JPA	RCEA and AMBAG are JPAs; RCEA is a CCA; SLO a PA of 3CREN; HSEF, SJVCEO and SBC are non-profits	SDCP is a JPA and CCA County of SD is a Local Government
Approved	2012	2012	2018	2021	2023	N/A
# Counties	13	9	3	2	31	1
Population	20M	7.8M	1.5M	4.5M	7M	3.3M
Overlapping Territory for JCM	SCE, SCG, 3C-REN, I-REN, Rural REN	PG&E, MCE	SCE, SCG, PG&E, SoCalREN	SCE, SCG, SoCalREN	PG&E, SCE, SCG, 3C-REN, SoCalREN	SDG&E
Budget (2024-27)	$228M	$172M	$71M	$57M	$84M	$124M
TSB (2024-27)	$103,422,805	$23,971,883	$32,397,889	$2,442,661	$6,574,128	$18,194,415
Sectors & Total # of Programs	Agricultural, Commercial, Public, Residential, Finance, WE&T, C&S Programs: 29	Residential, Commercial, Public, Financing, WE&T, C&S Programs: 11	Agricultural, Commercial, Residential, C&S, WE&T Programs: 7	Public, C&S, WE&T Programs: 6	Commercial, Finance, WE&T, C&S, Public, Residential Programs: 7	Commercial, Residential, Public, WE&T, C&S Programs: 10
Map						

Timeline

REN Formation Timeline

2022

Planning

2023

Develop business plan narrative

May - November

- SDCP drafts 2024-2031 Strategic Business Plan and 2024-2027 Portfolio Plan
- Stakeholder engagement
- County of San Diego signs on as second agency
- Formation of initial Advisory Committee
- Coordination with SDG&E

October - November

- Compile letters of support
- Presentation to CAEECC

December - January

- File SDREN motion with the CPUC

2024

Await CPUC approval and respond to questions and comments

2024-2025

Issue solicitations, onboard implementation teams, draft and file implementation plans, and launch programs

Questions & Feedback

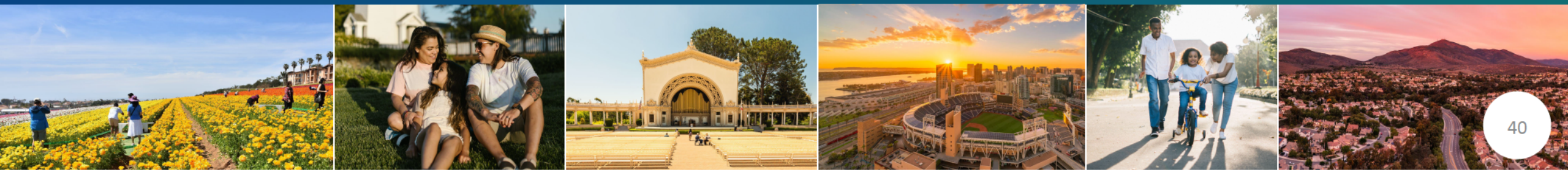
SDREN Presented by:

Colin Santulli
San Diego Community Power
Director of Programs

Sheena Tran
San Diego Community Power
Senior Program Manager

Submit additional questions or comments to Sheena via email by ***Friday, December 1st*** *to be incorporated as part of CAEECC feedback stran@sdcommunitypower.org*

Access presentation via CAEECC website



Response to Questions from the November 29, 2023 presentation to the California Energy Efficiency Coordinating Committee (CAEECC) and Other Stakeholders

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GOVERNANCE

"Would SDCP bring forward any SDREN program design ideas to its Community Advisory Committee or to a similar body at the County?"

SDCP conducted a market characterization as a part of developing programs for the Business Plan. Stakeholder outreach was conducted including over 25+ presentations to stakeholders in the region. A consistent theme of feedback from stakeholders, which included CBOs, was the challenges of program outreach to hard-to-reach communities. Noted as such, in the program development, the SDCP consulted its Community Advisory Committee as well as countywide bodies and smaller groups that represent the diversity of the counties. The community will continue to play a critical role in the development and implementation of plans and programs in the future.

"Can you explain SDREN's governance structure? Is SDREN a division within SDCP that will report to the same Board?"

SDREN is not a division of SDCP. SDREN is proposed to have a county-wide footprint and will be led by both SDCP and the County of San Diego. The staffing of SDREN will be similar to SoCalREN's structure. SDCP personnel will primarily staff SDREN, but it is not considered a division. The County and SDCP are responsible for portfolio oversight and administration. SDCP holds the lead portfolio administrator role to take on legal, financial obligation, and associated risk.

"How will the Advisory Committee be created? Specifically the makeup, criteria qualifications, DEI, and compensation support."

Details of the Advisory Committee will be finalized after authorization is provided by the CPUC. It will be multi-jurisdictional to represent SDREN's full territory. SDREN acknowledges the precedence and benefits of compensation. SDCP has a Community Advisory Committee that is compensated, and so does San Diego Association of Governments (SANDAG). We are waiting until authorization to commit to the final makeup and structure of the Advisory Committee.

PROGRAMS

"How will SDREN ensure success in MF where so many have had challenges?"

SDREN recognizes that the multi-family sector is a challenging segment to serve and represents 40% of the residential customers so it's crucial that effective energy efficiency programs are designed and delivered to this sector. SDREN will learn from all previous and current multi-family

programs in the state that have been implemented both by RENs and IOUs to borrow what has been successful and adapt them to the unique multi-family barriers in San Diego County. SDREN is confident that we will build on the experiences of other programs to deliver energy efficiency services to this important segment.

"Who will deliver services to residential customers, their eligibility criteria if they are home improvement contractors and the draw for them to participate in the program?

SDREN will work with local trusted partners who will conduct engagement and outreach who would determine eligibility for appropriate programs that would go beyond SDREN programs. All SDREN programs will be solicited and be implemented by third party providers. SDREN WE&T programs will also support training and recruitment for SDREN programs, such as the residential program.

"How will savings be measured in residential and multifamily programs?"

S*avings will be measured in residential and multi-family by utilizing deemed measures that are currently approved and active in the ETRM (the technical reference manual database) and follow the statewide deemed work paper rule book. Projects that are more appropriate for customer meter-based approaches will be funneled to other programs as appropriate.*

"What is the timeline for the direct install program?"

SDREN anticipates launching programs by 2025 pending CPUC Authorization.

"Have tribes in the region been approached about the tribal program?"

SDREN used guidance from the County of San Diego's Tribal liaison and other regional stakeholders that suggested waiting to approach Tribes about Tribal programs specifically. The Tribal program is intended to be designed in partnership with the Tribes and/or with Tribal partners. SDREN is following this guidance and will engage with Tribes about programs once the plan is approved and a more tangible offering is available. If approved, SDREN would work together with the Tribes to develop the details of that program.

"How will SDREN work with labor representatives and unions for the Workforce, Education & Training programs?"

SDREN is talking to labor partners regularly and they intend to work with them on the development of the workforce education training programs. SDREN hopes that labor partners

will join the advisory committee, which won't be built out until SDREN is approved. In the meantime, we'll continue the relationship with labor partners into EE programs.

"How will small businesses and diverse businesses be directly engaged as contractors and subcontractors, given that they are most knowledgeable about community and energy needs?

As SDREN is soliciting third-party vendors for program implementation, additional details such as program outreach strategy will be forthcoming. SDREN will work to incorporate strategies that are culturally sensitive, in-language, work with trusted partners, and so on. SDREN has focused on small business in its early engagement and will continue to do so moving forward.

Will SDREN use third party implementers for any of its programs?

Yes. It is anticipated that most SDREN programs will be implemented by a third party.

Will some of the equity segment programs have TSB given the use of program approaches like Direct Install?

Yes, that is correct.

What are SDREN's plans for DEI regarding small emerging and women-owned businesses as well as minority women business contract procurement in all of their third party implementor solicitations? Will procurement barriers to local small emerging BIPOC-led implementers be addressed in the solicitation process and contract?

SDREN will be following the procurement process and requirements of SDCP.

Through the statewide Supplier Diversity Program, established by General Order 156 from the California Public Utilities Commission (CPUC), the state aims to connect an increasing portion of these utility expenses with CPUC-certified minority-owned, women-owned, disabled veteran-owned, and/or LGBTQ-owned businesses.

Per California Senate Bill 255 (2019), community choice aggregators (CCAs) like SDCP are required to report to the CPUC on spending with diverse businesses, as defined by CPUC General Order 156. SDCP's Annual Reports can be found here:
https://sdcommunitypower.org/supplier-diversity/

To assist SDCP with its reporting obligations under Public Utilities Code Section 366.2(m) and with evaluating its supplier outreach and other activities, proposers that are awarded the contract will be asked to voluntarily disclose their certification status with the CPUC

Clearinghouse, as well as their efforts to work with diverse business enterprises, including WBEs, MBEs, DVBEs, and LGBTBEs.

To increase the diversity of contractors and services that are utilized by SDREN, SDCP plans to post SDREN solicitations to the Supplier Clearinghouse portal which is visible to certified businesses. While SDCP, as a public agency, is subject to Proposition 209 constraints that prohibit preferential contracting based on race, sex, and ethnicity, it conducts outreach at events such as the CPUC Small Business Expo and within its own community to educate suppliers on the benefits of certification.

GENERAL FEEDBACK

SDG&E notes that in alignment with D.19-12-21, SDG&E, SDCP and consultants have coordinated over several meetings all in support of the San Diego Region and that this partnership has been really informative and beneficial. SDREN will be the first REN in SDG&E territory if approved and the proposal seeks to fill existing gaps, including Tribal communities. SDG&E is committed to continued coordination to reduce duplication and confusion of programs. The proposed budget of $125M over 4 years is incremental to SDG&E's $310M, and that SDG&E customers will absorb the total cost of SDG&E and SDREN through the Public Purpose Program Charge, which ultimately increases rates for customers. An ongoing portfolio optimization is essential to ensure that customers are receiving the greatest value possible for their energy efficiency investment while ensuring affordability and efficacy. SDG&E hopes for continued coordination and cooperation with SDREN as their motion is considered by the CPUC.

Congratulations on the proposed SDREN proposal. Getting to this point is a success and they look forward to what SDREN can accomplish for its communities!

I-REN acknowledges and thanks SDREN for reaching out to the other RENs (including I-REN) prior to submitting the business plan and looks forward to continued collaboration.

I am from San Diego and have heard excitement from community members. Thanked the team for the presentation.

I am looking forward to seeing any SDREN progress.

Appendix F. CPUC Checklist

New REN Compliance with D.19-12-021

No.	Compliance Directive	Business Plan Section/Compliance Documentation
1	Filing a motion in open energy efficiency rulemaking (Proceeding R1311005)	Instant Motion filed as part of Rulemaking 13-11-005 by SDCP on behalf of SDREN for approval of EE Portfolio Application
2	Business plan proposal must be vetted during at least one meeting of the CAEECC, for discussion and feedback	Discussed in Exhibit 1, Stakeholder Engagement, pg. 20
3	Include a summary of the CAEECC meeting and feedback received, and any changes made to the proposal as a result of that stakeholder feedback	Presentation and summary report included in Appendix E
4	Include similar summaries of any other stakeholder engagement or outreach conducted by the REN proponent prior to making the proposal to the Commission—this could include, but not be limited to, expressions of support from other local government entities or other stakeholders that would interact with the REN, if approved by the Commission	Letters of Support are included in Appendix D, and a summary of stakeholder feedback is included in Appendix C
5	An individual "letter of commitment" to cooperate will be required with every program administrator that has overlapping operation in the same geographic area as the new REN, including utilities, CCAs, and other RENs	Letter of Commitment with SDG&E is included in Appendix G
6	Represent at least two local government entities within their governance structure	Discussed in Exhibit 1, Governance Structure, pg. 9
7	Include a detailed description of their governance structure and how they will operate as a regional entity to deliver the programs	Discussed in Exhibit 1, Governance Structure, pg. 9 - 17

No.	Compliance Directive	Business Plan Section/Compliance Documentation
8	New RENs will be required to file their progress toward their proposed metrics, which reflect the unique value of the REN, and specific to each of their approved business plans and considering their proposed service area, once the REN is approved and operating	Discussed in Exhibit 2, Key Metrics and Outcomes Unique Value metrics and targets detailed in Exhibit 4, SDREN'S Energy Efficiency 2024-2031 Application Tables, Pursuant To Energy Division Template
9	The Commission will also set energy savings targets for a REN's business plan, and measure REN progress toward meeting their metrics and savings goals, which will be set based on the specific REN program proposals that are approved by the Commission	Energy savings targets discussed in Exhibit 2, Projected Sector-Level and Portfolio-Level Cost Effectiveness, pg. 20 - 21 All metrics and savings goals are detailed in Exhibit 4, SDREN'S Energy Efficiency 2024-2031 Application Tables, Pursuant To Energy Division Template

REGIONAL ENERGY NETWORK

LETTER OF COMMITMENT TO COOPERATE
BETWEEN
SAN DIEGO COMMUNITY POWER, COUNTY OF SAN DIEGO, AND
SAN DIEGO GAS & ELECTRIC COMPANY

In the matter of forming and administering the San Diego Regional Energy Network ("SDREN"), San Diego Community Power ("SDCP") and the County of San Diego submits this **Letter of Commitment to Cooperate** in conjunction with its submittal of the SDREN Energy Efficiency Strategic Business Plan and Portfolio Plan Proposal Application to the California Public Utilities Commission ("CPUC" or "Commission") expected on or around December 22, 2023.

BACKGROUND

Decision ("D.") 19-12-021, authorized the continued operation of all existing Regional Energy Networks ("RENs") and invited proposals for new RENs to be filed with the Commission via a motion in the open energy efficiency rulemaking, if they **meet certain additional requirements as defined in the Decision.** The additional requirements for new RENs are as follows:

1. RENs will be required to demonstrate unique value in achieving state goals;
2. RENs will represent more than one local government entity;
3. RENs will coordinate with existing program administrators in their geographic area prior to filing their business plans;
4. RENs must vet their proposal with stakeholders through the California Energy Efficiency Coordinating Committee ("CAEECC");
5. RENs must explain their REN governance structure in their business plan filing;
6. RENs must provide an estimate of benefits and costs according to the Total Resource Cost and Program Administrator Cost Tests;
7. RENs must provide a proposed set of energy savings targets;
8. RENs must provide a proposed set of goals and metrics.

DISCUSSION

SDREN's proposed territory overlaps with almost all of the geographic area served by San Diego Gas & Electric Company ("SDG&E"), an investor-owned utility ("IOU"), with the exception of SDG&E customers who reside in South Orange County. Pursuant to Ordering Paragraph ("OP) 2 of D.19-12-021 ("Decision"), this Letter of Commitment to Cooperate highlights the coordination and cooperation between SDCP, the Portfolio Administrator[1] of the proposed SDREN, and SDG&E. Specifically, the intention of the Letter of Commitment to Cooperate, as described in D.19-12-021 is, "to the extent possible, for new RENs, [work out] coordination and

[1] D. 23-06-055 (p.3): "In the past, the Commission has used the abbreviation "PAs" to refer to "program administrators." However, as much of the portfolio has transitioned to being third-party designed and delivered, in this decision we are moving to the use of the term "portfolio administrator," but using the same "PA" abbreviation."

overlap issues [ ] ahead of the Commission's consideration of the new REN business plan, instead of negotiated after a REN is approved."[2]

In compliance with D.23-06-055[3] and to lay a sound foundation for effective long-term cooperation and coordination, SDCP and SDG&E have participated in several coordination discussions while SDCP has prepared the 2024-2027 SDREN Portfolio Application. The parties agree to engage in ongoing coordination and cooperation on key aspects of their services, to include:

- **Joint Cooperation Memo** – Pursuant to OP 3 of D.19-12-021 and OP 35 of D.23-06-055, the parties expect to develop and execute a Joint Cooperation Memo ("JCM"). Upon approval, SDREN and SDG&E commit to cooperate and work together, to complete the SDREN program parameters and coordination details so that the parties can submit the required Joint Cooperation Memo.

- **Programs** - SDREN and SDG&E will coordinate to ensure there are no conflicts in program offerings should the SDREN be approved by the CPUC. SDREN commits to coordinate with SDG&E and its associated third-party implementers where complementary services are offered by SDREN on an ongoing basis as program offerings change and develop over time.

- **Data** - Coordination of data collection will include identifying data to be collected, methodologies for collection, and data sharing, to be further defined in the JCM.

- **Fiscal** - As specified in Conclusion of Law 13 of D.23-06-055, SDG&E's role as a fiscal agent for SDREN, as a REN operating within SDG&E's territory, will be limited to collecting and disbursing funds under the direction of the Commission and does not include any compliance or monitoring functions or obligations.

Program Coordination Sectors
SDREN and SDG&E will coordinate on the following:

- Workforce Education & Training
- Codes & Standards
- Commercial Sector Programs
- Residential Sector Programs
- Public Sector Programs

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[2] D.19-12-021 at 23.
[3] D. 23-06-055 P. 89: "..., we expect programs offered by different PAs will not significantly overlap, except for programs intended to serve hard-to reach customers. We maintain a preference for PAs to work collaboratively not only to minimize duplication in non-hard-to-reach customer populations but importantly to strive toward effective regional strategies and complementary program offerings; to be clear, PAs should communicate regularly in the course of administering their portfolios and preparing applications for future cycles…"

[Signatures on the following page]

SIGNATURE PAGE TO

LETTER OF COMMITMENT TO COOPERATE
BETWEEN
SAN DIEGO COMMUNITY POWER, COUNTY OF SAN DIEGO,
AND
SAN DIEGO GAS & ELECTRIC COMPANY

IN WITNESS WHEREOF, the Parties hereto have made and executed this Letter of Commitment to Cooperate as of the date written below.

On behalf of San Diego Community Power (SDCP):

By: Colin Santulli (Dec 4, 2023 11:33 PST) Date: 12/4/2023

Name, Title: Colin Santulli, Director of Programs

On behalf of County of San Diego:

By: _____ Date: 12/04/23

Name, Title: Eden Brukman, Chief Sustainability Officer

On behalf of San Diego Gas & Electric Company:

By: Hollie Bierman (Dec 4, 2023 18:13 PST) Date: 12/4/23

Name, Title: Hollie Bierman, Director, Customer Programs

Summary of Similar SDREN and SDG&E Programs

This matrix was reviewed with SDG&E during regular coordination meetings

Cross-cutting WE&T Sector

WE&T Program 1

	SDREN	Current SDG&E Programs	REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	WE&T Program 1	Career Connections - Energy is Everything	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake **Gap-filling activities:** • Program will target high school students in DACs/HTR to promote program equity and skill development opportunities in areas with fewer opportunities. • Will partner with other local WE&T programs to leverage non-EE funding for non-EE activities. • 1:1 coaching and direct connections with local employers with paid internships to support with career pipeline.	Coordinate with Energy is Everything on services supported and any shared partnerships. Coordinate with SDG&E on potential internships or job opportunities for program participants. Expand opportunities for high schools and students served through SW Career Connections program to offer community college courses (CTE).
Description	Provide exposure to green careers, enrollment in college courses, and connections with employers.	To help build the next generation of energy workers, The Energy Coalition (TEC) will open energy education pathways for students through K-12 workforce, education, and training (WE&T). Target participants will focus on disadvantaged student populations.		
Offerings	1:1 career pathway assistance, dual enrollment in STEM college courses at no cost, paid internships, and wraparound services.	A TK-12th grade module-based curriculum that explores sustainability topics through the lens of energy and conservation.		
Annual Budget		$3,094,000 (statewide)		
Contract Term	TBD	2021-2025		
Target Customer	High school students	K-12 students		
Program Implementer	TBD	PG&E – The Energy Coalition		
Statewide/ Regional	Local	Statewide		
Segmentation	Market Support	Market Support		

WE&T Program 2

NOTE: WE&T Programs 2 and 3 are now combined into a single program.

	SDREN	Current SDG&E Programs	REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	WE&T Program 2	Energize Careers	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake **Gap-filling activities:** • Work with local employers to determine the emerging industry careers and necessary skills for incoming professionals to be successful in the industry. • Deliver training in partnership with local agencies through network connection sites and standardized content.	Coordinate with SW Career & Workforce Readiness and other WE&T programs to share strategies and expand resources across the entire region. Support mutual goal of fostering self-sustaining collaborations that would benefit training partners and industry partners. Promote resources offered by other WE&T programs.
Description	Provide training and connect participants with jobs in the clean energy economy.	Energize Careers aims to create a diverse and representational energy workforce through the economic empowerment of people who experience systemic barriers to employment by helping them access living wage energy career opportunities. The Energize Careers Program provides holistic services to support disadvantaged workers through technical training, job placement, and wrap-around service support.		
Offerings	1:1 career pathway assistance, dual enrollment in STEM college courses at no cost, paid internships, and wraparound services.	Energize Careers partners with regional contractors, pre-apprenticeship programs, apprenticeship programs, community-based training organizations, and community colleges to provide technical sustainability training to underserved individuals, and we collaborate with wrap-around service providers and industry partners to provide people with services and support to access career pathways into stable, living-wage sustainability jobs.		
Annual Budget		$6,010,016 (statewide)		
Contract Term	TBD	2021-2026		
Target Customer	Adult workforce	Disadvantaged workers		
Program Implementer	TBD	PG&E – SEI		
Statewide/Regional	Local	Statewide		
Segmentation	Market Support	Equity		

WE&T Program 3

	SDREN	Current SDG&E Programs		REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	WE&T Program 3	Workforce Education & Training	Energize Careers	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake. (2) pilot activities where there is no current utility or CCA program offering, and where there is potential for scalability to a broader geographic reach, if successful. **Gap-filling activities:** Work directly with employers and incentivize them to promote and offer professional development and trainings.	Discuss opportunities to share and coordinate training resources, such as training offerings that could be tailored and offered directly through employers. Connect employers with programs such as Energize Careers for placement opportunities. Coordination on curriculum development for WE&T programs and collaborate on gaps.
Description	Work with employers to develop career pathways and provide assistance to ensure employees move through pathways.	The WE&T program supports the training and educational needs of both CA and SDG&E to meet its energy efficiency potential.	Energize Careers aims to create a diverse and representational energy workforce through the economic empowerment of people who experience systemic barriers to employment by helping them access living wage energy career opportunities. The Energize Careers Program provides holistic services to support disadvantaged workers through technical training, job placement, and wrap-around service support.		
Offerings	Stipends to participate in trainings, training program development, and training policy development.	The program offers energy efficiency training to incumbent and potential workers (trade professionals) and customers so that they may recognize and act on opportunities to save energy.	Energize Careers partners with Regional contractors, pre-apprenticeship programs, apprenticeship programs, community-based training organizations, and community colleges to provide technical sustainability training to underserved individuals, and we collaborate with wrap-around service providers and industry partners to provide people with services and support to access career pathways into stable, living-wage sustainability jobs.		
Annual Budget		$3,853,114	$6,010,016 (statewide)		
Contract Term	TBD	N/A	2021-2026		
Target Customer	Employers	Energy efficiency trades, professionals and homeowners.	Disadvantaged workers		
Program Implementer	TBD	SDG&E	PG&E – SEI		
Statewide/Regional	Local	Regional	Statewide		
Segmentation	Market Support	Market Support	Equity		

Cross-cutting - C&S

C&S Program 1

	SDREN	Current SDG&E Programs		REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	C&S Program 1	Compliance Enhancement Subprogram	Reach Codes Subprogram	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake. (2) pilot activities where there is no current utility or CCA program offering, and where there is potential for scalability to a broader geographic reach, if successful. **Gap-filling activities:** • Conduct needs assessment and work with permitting agencies to identify gaps • Focus on facilitating, supporting, and accelerating the shift to building and transportation electrification with permitting agencies as well as with the C&S community. This will include the adoption of new regulations and approaches to review and approval of new technologies and electrical service requirements, with particular focus on "replace on burnout" opportunities. • Provide support in developing local building performance standards and benchmarking approaches, including the evolution to grid-interactive buildings.	Leverage best practices from other RENs IOUs for coordination activities. Work towards a comprehensive solution as a state and build bridges. There are opportunities to be synchronous across the state/RENs. Leverage and coordinate on existing tools, such as Energy Code Ace and Energy Hub on SDRCC website. Sharing of needs assessment. Leverage external funding, such as DOE, and coordinate with other C&S teams. Look beyond EE, such as EVs for coordination.
Description	Policy and compliance support and enhancing communication and experience between permitting authorities and permit applicants.	The Compliance Enhancement Subprogram assists with improving compliance for both the Building Energy Code (Title 24, Part 6), and California's Appliance Standards (Title 20).	The Reach Codes subprogram will focus primarily on developing and/or supporting the development of reach codes or locally adopted ordinances that exceed statewide minimum requirements and CALGreen Codes (Title 24 - Part 11). Reach codes and CALGreen Code (Tier 1/Tier 2) are typically codes adopted by local governments. They provide a means to test new codes and test the efficacy of increasing the stringency of existing codes at a local level prior to disseminating the code statewide.		
Offerings	Needs assessment, tools & templates, customized one-on-one support, ducational workshops	The Compliance Improvement subprogram targets market actors throughout the entire compliance supply chain by providing needs-based research, strategic planning, tools, trainings, resources, videos, and outreach to all market actors.	The Reach Codes subprogram provides technical support to local governments that wish to adopt ordinances and CALGreen Codes (Title 24, Part 11) that exceed statewide Title 24 minimum energy efficiency requirements for new buildings, additions, or alterations. For some jurisdictions, reach codes develop as initiatives or strategies in their local Climate Action Plans (CAPs). This includes support for local governments for research and analysis for establishing performance levels relative to Title 24 and cost effectiveness per Climate Zone, drafting of model ordinance templates for regional consistency, and assistance for completing and expediting the application process required for approval by the CEC. The subprogram provides implementation strategies once adopted including needs-based research, strategic planning, trainings, tools, resources, videos, and outreach. The subprogram also supports local governments that seek to establish residential or		

			commercial energy conservation ordinances for existing buildings including benchmarking, building performance standards, energy rating systems, and others.	• SDG&E does not have access to permit technicians. This is an opportunity for SDREN. • Focused on the existing building market.	
Annual Budget		$1,229,808 (Annual Budget)			
Contract Term	TBD	2022-2027			
Target Customer	Public agencies – Permitting Authorities	All market actors involved in building and appliance codes and ordinance			
Program Implementer	TBD	SDG&E			
Statewide/ Regional	Local	Regional (SW in program name is a carryover from earlier portfolio periods)			
Segmentation	C&S				

Residential Sector

Res Program 1 – Multifamily

	SDREN	Current SD&E Programs			REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	Res Program 1 – Multifamily	Residential Zero Net Energy Transformation (RZNET)	Quality Residential HVAC Services Program	Golden State Rebates	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake. (3) activities serving hard-to-reach markets, whether or not there is another utility or CCA program that may overlap. **Gap-filling activities:** • Offer EE measures and serve buildings not covered (or only partially covered) through existing programs. • Equity program with focus on delivery to HTR customers, offering in-language outreach and anti-displacement policies. • Renter-specific offerings, including direct install upgrades and education, with a focus on non-energy benefits. • Support customers to leverage external funding/financing as much as possible, including	If RZNET program continues, there will be coordination to determine target customers. Anticipating coordination with SDG&E residential equity program (anticipated launch Q3 2024). Coordination with ESA - mulitfamily offering to support multifamily facilities only partially covered by ESA. As an equity program, outreach will be focused on underserved communities and HTR customers. Coordination with Quality Residential HVAC Services Program & Golden State Rebates to provide proper education to customers.
Description	Site assessments, customized technical assistance, and rebates to property owners. Kits and education to tenants (possible direct install). *Coordinated with SDG&E program.	The Residential Zero Net Energy Transformation (RZNET) program is a new innovative way of serving multifamily and manufactured homes. RZNET program design is a turnkey cost-effective zero net energy end-to-end solution that transforms multifamily and manufactured home community owners, operators, and residents into knowledgeable stewards of water, electricity, and natural gas.	The program will provide extra incentives, training, and tools to quality contractors who routinely provide higher quality services including incentivized quality maintenance plans, quality maintenance calls, quality bids, and quality installations at a basic or enhanced quality tier. An industry advisory panel will help determine standards for services, verification requirements, and outreach and training.	The Statewide Plug-Load & Appliance Program (Program) is a midstream program that will offer energy efficiency measures including high-efficiency smart thermostats, heat pump water heaters, gas water heaters, and room air conditioners. The Program captures savings through the movement of incentivized deemed measures at participating retailer and distributor locations.		
Offerings	Individual and central HPWH, LED lighting/bulbs, HVAC heat pump, smart thermostats, controls, duct sealing/insulation, pool pump VSD, showerheads, aerators, recirculation pumps, heat pump clothes dryer, and induction stoves.	Examples: • 4-foot LED bulbs • Water heater blankets • Water heater pipe insulation • Low-flow showerheads • Low-flow aerators	Multi-tiered incentives to California contractors who are dedicated to quality installation, maintenance, and advancing energy-efficient technologies.	High-efficiency smart thermostats, heat pump water heaters, gas water heaters, and room air conditioners.		
Annual Budget		$15,420,000	$27,737,000 (statewide)	$47,878,624 (statewide)		
Contract Term	TBD	2021-2023	2023-2026	2022-2024		

Target Customer	Tenants, property owners/managers	Residential – multi-family owners, operators, and residents	HVAC contractors	Residential customers	stacking of incentives when possible.	
Program Implementer	TBD	Synergy	SDG&E – Frontier Energy	SDG&E – CLEAResult		
Statewide/ Regional	Local	Regional	Statewide	Statewide		
Segmentation	Equity	Resource Acquisition	Market Support	Resource Acquisition		

Res Program 2 – Single Family

	SDREN	Current SDG&E Programs				REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	Res Program 2: Single Family	Home Energy & Audits Program (HEAR)	Quality Residential HVAC Services Program	Residential Energy Solutions (RES)	Golden State Rebates	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake. (3) activities serving hard-to-reach markets, whether or not there is another utility or CCA program that may overlap. **Gap-filling activities:** • Offer EE measures that are not covered	Anticipating coordination with SDG&E residential equity program (anticipated launch Q3 2024) and residential fuel-sub market support program (anticipated launch 2025). As an equity program, outreach will be focused on underserved communities and HTR customers. Coordinate with ESA program to direct customers to the program, when eligible. Measures will complement ESA measures.
Description	Provide guidance to identify energy programs and upgrades through connected contractors for homeowners. Provide kits and education to renters (possible direct install).	The SDG&E Home Energy Audits and Reports (HEAR) program is a residential resource behavioral program.	The program will provide extra incentives, training, and tools to quality contractors who routinely provide higher quality services including incentivized quality maintenance plans, quality maintenance calls, quality bids, and quality installations, at a basic or enhanced quality tier. An industry advisory panel will help determine standards for services, verification requirements, and outreach and training.	The SDG&E Residential Energy Solutions (RES) program is a Zero Net Energy (ZNE)-focused residential resource single-family program. The ZNE path begins with installing persistent cost-effective direct install measures that transition the customer into complimentary home energy surveys/sales consultations for higher levels of energy efficiency and renewable technologies that can potentially be financed by the participant and installed by the implementer.	The Statewide Plug-Load & Appliance Program (Program) is a midstream program that will offer energy efficiency measures including high-efficiency smart thermostats, heat pump water heaters, gas water heaters, and room air conditioners. The Program captures savings through the movement of incentivized deemed measures at participating retailer and distributor locations.		
Offerings	HPWH, smart power strips, HVAC heat	Offer timely, insightful alerts for residential	Multi-tiered incentives to California contractors	No-cost energy efficiency products and services such	High-efficiency smart thermostats, heat		

	pumps, shower heads, aerators, LED bulbs, attic insulation, induction stove, recirculation pumps, and HP clothes dryer.	customers to encourage behavioral changes that lead to energy savings. The reports are both paper and digital to maximize savings.	who are dedicated to quality installation, maintenance, and advancing energy-efficient technologies.	as smart thermostats, high efficiency, brushless fan motor, low-flow faucet aerator, shower head, pipe wrap, etc.	pump water heaters, gas water heaters, and room air conditioners.	through existing programs. • Concierge-type services working with contractors and connections to other programs and services (IRA, etc.). • Work with trusted advisors and in-language to engage with customers. • Focus on EE offerings and education that will reduce costs and increase other non-energy benefits. • Support equity communities with early decarbonization efforts.	Coordination with HEAR, Quality Residential HVAC Services Program, and Golden State Rebates to provide appropriate education to customers.
Annual Budget		$15,508,476	$27,737,000 (statewide)	$5,516,400	$47,878,624 (statewide)		
Contract Term	TBD	2023-2025	2023-2026	2022-2024	2022-2024		
Target Customer	Homeowners, renters	Residential	Residential	Residential single family	Residential		
Program Implementer	TBD	Bidgley	SDG&E – Frontier Energy	Synergy	SDG&E – CLEAResult		
Statewide/Regional	Local	Regional	Statewide	Regional	Statewide		
Segmentation	Equity	Resource Acquisition	Market Support	Resource Acquisition	Resource Acquisition		

Commercial Sector

Comm Program 1

	SDREN	Current SDG&E Programs			REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	Comm Program 1	Business Energy Solutions (BES)	Comfortably California	Smart Thermostat Program for Businesses	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake. (3) activities serving hard-to-reach markets, whether or not there is another utility or CCA program that may overlap. **Gap-filling activities:** • Conduct an assessment (once authorized) to fill service gaps in the territory. • Intended to fill geographic and service gaps, to not overlap, and only to complement SDG&E equity offering. • Support with access to other offerings and programs, including IDSM services.	Close coordination with the new SDG&E Commercial Equity program to fill gaps in service and prevent market confusion. Develop mapping of programs, consider upcoming equity program IP, and discuss it ahead of SDREN solicitation. Coordinate messaging to customers. Promote Comfortably California and Smart Thermostat Program as appropriate to eligible customers. If BES is still available, SDREN will coordinate with 3P to fill gaps in service and prevent market confusion.
Description	Raise awareness and increase adoption of EE practices and measures. Connect a dedicated energy coach to educate SMBs on the value of EE, support access to funding and financing, facility assessments, offer technical assistance and direct install. Support with California Green Business Certification. *Coordinated with SDG&E program	The BES program is a direct install program that offers small commercial customers (< 20 kW) energy efficiency upgrades at little-to-no cost. The program offers eligible customers a free energy audit and provides recommended upgrades. Some measures are offered at no cost, while others are offered with a co-pay.	The Statewide Upstream and Midstream Heating, Ventilation & Air Conditioning Program (the "Program"), named Comfortably California is an upstream and midstream program that will offer HVAC measures. The Program captures savings through the movement of incentivized deemed measures.	Commercial customers receive a $50 incentive for installing and registering an approved thermostat. SDG&E will signal the thermostat during DR events. There is an 80-hour maximum per season or 25 events maximum per month. The program runs May through October. Funded through AC Saver Program.		
Offerings	Smart thermostats, HVAC tune-up, LED lighting, controls, behavioral, heat pumps, duct sealing, appliances, faucet aerators, auto door closers, VFDs, window film, and smart plugs.	LED lighting, combination oven, ice machine, griddle, low-flow pre-rinse spray valve, faucet aerator, pipe insulation, heat pump water heater, tank insulation, etc.	High-efficiency commercial unitary air conditioners, commercial heat pumps, commercial chillers, commercial space heating boilers, residential air conditioners, residential heat pumps, residential gas furnaces, and residential gravity wall furnaces.	Smart thermostats		
Annual Budget		$6,000,000	$36,974,312 (statewide)			
Contract Term	TBD	2022-2023	2021-2023	2023		

Target Customer	Small and Medium Businesses	Commercial	Commercial, Residential	Commercial		
Program Implementer	TBD	Willdan, Synergy	SDG&E – CLEAResult	SDG&E		
Statewide/Regional	Local	Regional	Statewide	Regional		
Segmentation	Equity	Resource Acquisition	Resource Acquisition	Demand Response		

Comm Program 2

	SDREN	Current SDG&E Programs			REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	Comm Program 2	CA Food Service Instant Rebate Program	Business Energy Solutions (BES)	Smart Thermostat Program for Businesses	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake; (3) activities serving hard-to-reach markets, whether or not there is another utility or CCA program that may overlap **Gap-filling activities:** Equity offering to target small local grocery stores, corner stores, and local small businesses that sell food products with DI measures not offered by other programs.	If BES is still available, SDREN will coordinate with 3P to fill gaps in service and prevent market confusion. Promote CA Food Service Instant Rebate and Smart Thermostat Programs as appropriate to eligible customers.
Description	Refrigeration replacement, direct install	The Program offers deemed, point-of-sale rebates to customers and incentives to midstream market actors for facilitating and influencing sales of a wide variety of high-efficiency commercial kitchen and refrigeration equipment. The Program advocates for increased awareness and sales of high-efficiency equipment through a variety of outreach, training, advertising, and engagement activities.	The BES program is a direct install program that offers small commercial customers (< 20 kW) energy efficiency upgrades at little-to-no cost. The program offers eligible customers a free energy audit and provides recommended upgrades. Some measures are offered at no cost while others are offered with a co-pay.	Commercial customers receive a $50 incentive for installing and registering an approved thermostat. SDG&E will signal the thermostat during DR events. There is an 80-hour maximum per season or 25 events maximum per month. The program runs May through October. Funded through AC Saver Program.		
Offerings	Glass door and solid door refrigeration & freezer units	Combination ovens, Convection ovens, rack ovens, conveyor ovens, broilers, glass door and solid door refrigerators and freezers	LED lighting, combination oven, ice machine, griddle, low-flow pre-rinse spray valve, faucet aerator, pipe insulation, heat pump water heater, tank insulation, etc.	Smart thermostats		

Annual Budget		$46,826,772	$6,000,000			
Contract Term	TBD	2021-2024	2022-2023	2023		
Target Customer	Small corner stores and food donation centers	Commercial	Commercial	Commercial		
Program Implementer	TBD	SCE – Energy Solutions	Willdan, Synergy	SDG&E		
Statewide/Regional	Local	Statewide	Regional	Regional		
Segmentation	Equity	Resource Aquisition	Resource Aquisition	DR		

Comm Program 3

	SDREN		Current SDG&E Programs		REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	Comm Program 3	Comprehensive Energy Management Solutions (CEMS)	Business Energy Solutions (BES)	Smart Thermostat Program for Businesses	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake; (3) activities serving hard-to-reach markets, whether or not there is another utility or CCA program that may overlap **Gap-filling activities:** • Program offering performance-based incentives to project developers (aggregators) who deliver projects that realize peak demand reduction and verified energy savings,	Customer engagement representatives to direct customers to program that best fits their needs, such as CEMS, BES or Smart Thermostat Program. Coordination with SDG&E MAP programs to prevent market confusion.
Description	Work with contractors to offer customized incentives to reduce energy use at peak times.	The CEMS Program provides end-to-end program implementation services, including marketing, outreach, engineering, operations, customer service, and data management and reporting, to large commercial electric and gas customers on qualifying rates schedules with a monthly demand greater than 20 kW in SDG&E's service territory.	The BES program is a direct install program that offers small commercial customers (< 20 kW) energy efficiency upgrades at little-to-no cost. The program offers eligible customers a free energy audit and provides recommended upgrades. Some measures are offered at no cost while others are offered with a co-pay. The customer decides which upgrades they want to move forward with and the implementer installs the energy efficiency measures.	Commercial customers receive a $50 incentive for installing and registering an approved thermostat. SDG&E will signal the thermostat during DR events. There is an 80-hour maximum per season or 25 events maximum per month. The program runs May through October. Funded through AC Saver Program.		
Offerings	Smart thermostats, HVAC, LED lighting, controls, behavioral, heat pumps, duct		LED lighting, combination oven, ice machine, griddle, low-flow pre-rinse spray	Smart thermostats		

	sealing, appliances, VFDs, smart plugs.		valve, faucet aerator, pipe insulation, heat pump water heater, tank insulation, etc.		utilizing a population NMEC methodology to verify savings while paying incentives based on TSB. • Work with local trusted entities for customer engagement with a focus on HTR and underserved businesses.	
Annual Budget		$520,000	$6,000,000			
Contract Term	TBD	2021-2023	2022-2023	2023		
Target Customer	Commercial property owners	Large Commercial	Commercial	Commercial		
Program Implementer	TBD	TRC Solutions	Willdan, Synergy	SDG&E		
Statewide/Regional	Local	Regional	Regional	Regional		
Segmentation	Resource Acquisition	Resource Aquisition	Resource Aquisition	DR		

Public Sector

NOTE: Integrated K-12 enhanced DI offering into program after coordination discussions

Public Program 1

	SDREN	Current SDG&E Programs			REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	Public Program 1	Climate Action Plan for Zero Net Energy Program (CAP4ZNE)	Higher Education Energy Efficiency Program (HEEP)	California Energy Design Assistance Program (CEDA)	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake **Gap-filing activities:** • As a market support program the primary goal is to build capacity for public agency participants through education,	EE opportunities would be considered through SDG&E resource programs as a first step. Coordinate directly with program 3P for overlapping agencies to determine approach, coordinate activities, and prevent customer confusion. Integrate targeted K-12 offering to fill gap of
Description	Customized and unbiased hands-on expert guidance and support services from EE project identification to completion for public facilities and assets including access to funding and financing. Focuses on decarbonization measures and educational information/resources. Agency-wide	The CAP4ZNE Program (Program) provides a concierge approach tailored to the unique needs of each customer for EE and GHG reductions. This approach includes a comprehensive assessment of the customer's facilities for the Regional Government segment within the SDG&E service territory. The Program offers individual Partner Climate Action Paths tailored for	The HEEP program targets customers across the Higher Education sector and delivers savings to diverse building types owned by each of the three UC/CSU/CCC California higher education school systems.	The California Energy Design Assistance Mixed Fuel (CEDAM) program serves commercial, public, high-rise multifamily, industrial, and agricultural new construction and major alterations facilities. CEDAM provides a path for adoption of electrification measures, transitioning end-uses to electric while advancing decarbonization for mixed fuel projects where options for cost-effective electrification technologies do not exist.		

	benchmarking and strategic energy resilience planning. *coordinate with SDG&E Public Sector programs	participating regional governments aimed at the customer's top energy-consuming facilities.			training, and technical services and instill EE and demand management as a best practice. • Offer EE measures and serve facilities (and agencies) not covered through existing programs, with a focus on electrification measures. • Offer procurement and construction phase project support. • Support strategic energy resilience planning (IDSM). • Support access to funding and financing (IDSM).	closed program in place of solicitation by SDG&E.
Offerings	EE measures: HVAC, HPWH, LED lighting, pipe insulation, window film, pumping, process optimization, RCx, controls, EMS upgrades, DER high-level educational resources: PV, batteries, EVs, DR programs, solar hot water heating, water efficiency.	Lighting fixture replacement, lamp retrofit, new water heating equipment, steam trap replacement, refrigeration controls improvements, pipe insulation, HVAC controls and sensor improvements, variable speed drives, low flow devices, etc.	HVAC retrofit, refrigeration retrofit display cases, pool pump, economizer, convection oven, chiller, demand control ventilation, commercial ice machine, variable frequency drive, vending machine control, etc.	Customized energy decarbonization report. Recommended decarbonization strategies based on project goals and budget. Any potential incentives available from regional utility.		
Annual Budget		$9,164,924	$12,571,286 (SW)	$44,829,274 (Mixed Fuel) (SW) $55,131,768 (All Electric) (SW)		
Contract Term	TBD	2022-2025	2022-2025	2022-2026		
Target Customer	All public agencies within San Diego County	Public – Regional Government	Public - Higer Education Institutions	Commercial, Industrial, Agricultural, Public and Residential		
Program Implementer	TBD	Okapi Architecture	SCE – CLEAResult	PG&E – Willdan		
Statewide/Regional	Local	Regional	Statewide	Statewide		
Segmentation	Market Support	Resource Acquisition	Resource Acquisition	Market Support		

Public Program 2

	SDREN	REN Directive & Potential Gap	Coordination between SDREN and SDG&E
Program Name	Public Program 2	(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake	Will engage with SDG&E programs and leverage services where appropriate when needs are identified. Connect and coordinate with SDG&E Tribal liaison.
Description	A streamlined pathway for tribal nations in the San Diego region to receive customized technical assistance to identify, develop, and implement energy-related initiatives that address unique needs within tribal communities.		
Offerings	Overall stakeholder engagement and outreach; establish SDREN tribal collaborative efforts; customized program outreach; program design services		

Annual Budget		No current EE offerings are designed to engage Tribal nations specifically and their unique challenges.	
Contract Term	TBD		
Target Customer	Tribal Nations		
Program Implementer	TBD		
Statewide/Regional	Local		
Segmentation	Equity		

REN Directives / Program Compliance With D.12-11-015, confirmed by D.19-12-021

RENs are limited to undertaking:

(1) activities that investor-owned utility (IOU) or community choice aggregator (CCA) program administrators cannot or do not intend to undertake;

(2) pilot activities where there is no current utility or CCA program offering, and where there is potential for scalability to a broader geographic reach, if successful; and/or

(3) activities serving hard-to-reach markets, whether or not there is another utility or CCA program that may overlap

Energy Efficiency Portfolio Application

of the

San Diego Regional Energy Network

Exhibit 4

SDREN's Responses, Pursuant to Energy Division Template

Exhibit 4: SDREN's Responses, Pursuant to Energy Division Template

Attachment A: SDREN's Energy Efficiency 2024-2031 Application Tables, Pursuant To Energy Division Template

Table 1	Bill Payer Impacts
Table 2	Rates Rev
Table 3	Funding Source Summary
Table 4.1	Program Budget 2024-2027
Table 4.2	Program Budget 2028-2031
Table 5	Commitments
Table 6	Statewide Programs
Table 7.1	PA Budget 8 Year by Segment
Table 7.2	PA Budget 8 Year by Sector
Table 7.3	PA Budget and Savings
Table 8	Cap and Target
Table 9	Functions Definitions
Table 10	Portfolio FTE
Table 11	Residential
Table 12	Commercial
Table 13	Industrial
Table 14	Agricultural
Table 15	Public
Table 16	Cross Cutting
Table 17	BP Metrics
Table 18	Market Support & Equity Indicators
Table 19	SDREN Unique Value Metrics
Table 20	Segment Justification

Attachment B: SDREN's Energy Efficiency 2024-2027 Supplemental Budget Narrative Information, Pursuant To Energy Division Template

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 1 -Bill Payer Impacts (based on program savings forecasted for the year)				
	(Res and Non-Res) $/kwh	(Res and Non-Res)	Annual Bill Savings	Lifecycle Bill
Present Rates - System Average *				
2021				
2022				
2023				
2024				
2025				
2026				
2027				
2028				
2029				
2030				
2031				

* = Based on [relevant date] current effective rates

Total Average Annual Bill Savings by Year ($) Electric Average Rate (Res and Non-Res) $/kwh * Total First Year Electric Net Savings KWH + Gas Average Rate(Res and Non-Res) $/therm * Total First Year Gas Net Savings Therm

Total Average Lifecycle Bill Savings ($) Electric Average Rate (Res and Non-Res) $/kwh * Total Lifecycle Electric Net Savings KWH + Gas Average Rate(Res and Non-Res) $/therm * Total Lifecycle Gas Net Savings Therm

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 2a - Electric Bill Payer Impacts - Current and Proposed Revenues and Rates, Total and Energy Efficiency, by Customer Class

Customer Classes	Efficiency Electric Annual	Change In Electric	Average Rate	Portion of Electric Average

* = Based on [relevant date] current effective rates

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenues and Rates, Total and Energy Efficiency, by Customer Class

Customer Classes	Efficiency Gas Annual	Change In Gas Revenue	Average Rate	Portion of Gas Average Rate

Pa Name: SDREN
Budget Year: 2024-2031
Table 3.1 - PA 2024-2031 Funding Source Summary

	Spending Budget Request	Electric Procurement	% Electric	Gas	% Gas
2024	15,852,720	9,511,632	60.0%	6,341,088	40.0%
2025	32,755,736	19,653,441	60.0%	13,102,294	40.0%
2026	36,031,310	21,618,786	60.0%	14,412,524	40.0%
2027	39,634,441	23,780,665	60.0%	15,853,777	40.0%
2028	41,219,821	24,731,893	60.0%	16,487,928	40.0%
2029	42,868,616	25,721,170	60.0%	17,147,446	40.0%
2030	44,583,355	26,750,013	60.0%	17,833,342	40.0%
2031	46,366,693	27,820,016	60.0%	18,546,677	40.0%
Total	299,312,692	179,587,615		119,725,077	

	Revenue Requirement Request	Electric Procurement	% Electric	Gas	% Gas
2024	15,852,720	9,511,632	60.0%	6,341,088	40.0%
2025	32,755,736	19,653,441	60.0%	13,102,294	40.0%
2026	36,031,310	21,618,786	60.0%	14,412,524	40.0%
2027	39,634,441	23,780,665	60.0%	15,853,777	40.0%
2028	41,219,821	24,731,893	60.0%	16,487,928	40.0%
2029	42,868,616	25,721,170	60.0%	17,147,446	40.0%
2030	44,583,355	26,750,013	60.0%	17,833,342	40.0%
2031	46,366,693	27,820,016	60.0%	18,546,677	40.0%
Total	299,312,692	179,587,615		119,725,077	

	PA (IOU+CCAs+RENs) Recovery Budget	Electric Procurement	% Electric	Gas	% Gas
2024	15,852,720	9,511,632	60.0%	6,341,088	40.0%
2025	32,755,736	19,653,441	60.0%	13,102,294	40.0%
2026	36,031,310	21,618,786	60.0%	14,412,524	40.0%
2027	39,634,441	23,780,665	60.0%	15,853,777	40.0%
2028	41,219,821	24,731,893	60.0%	16,487,928	40.0%
2029	42,868,616	25,721,170	60.0%	17,147,446	40.0%
2030	44,583,355	26,750,013	60.0%	17,833,342	40.0%
2031	46,366,693	27,820,016	60.0%	18,546,677	40.0%
Total	299,312,692	179,587,615		119,725,077	

8 Year Funding Sources - RENs/CCAs

	PG&E		SDG&E		SCE	SCG
Year	Electric $	Gas $	Electric $	Gas $	Electric $	Gas $
2024						
2025						
2026						
2027						
2028						
2029						
2030						
2031						
Total	-		-			-

Pa Name: SDREN
Budget Year: 2024-2031

Table 3 - Budget and Cost Recovery by Funding Source

Table 3a - PA Spending Budget Request by Funding Source

	Source is Table 4				Source is Table 7			
PA EE Programs and EM&V	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Annual PA Spending Budget Request (Program and EM&V total)	$ 15,852,720	$ 32,755,736	$ 36,031,310	$ 39,634,441	$ 41,219,821	$ 42,868,616	$ 44,583,355	$ 46,366,693
CEC AB 841 Program Budget Request								
for 2022 and 60% for 2023) [1]								
Plus 2020 and Beyond Uncommitted and Unspent Carryover Balance								
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	**$ 15,852,720**	**$ 32,755,736**	**$ 36,031,310**	**$ 39,634,441**	**$ 41,219,821**	**$ 42,868,616**	**$ 44,583,355**	**$ 46,366,693**

1 Applicable percentage is 70% for 2022 and 60% for 2023.

Table 3b - Budget by Funding Source

Portfolio Budget (Before Carryover)	2024 Budget	2024 %Allocation	2025 Budget	2025 %Allocation	2026 Budget	2026 %Allocation	2027 Budget	2027 %Allocation	2028 Budget	2028 %Allocation	2029 Budget	2029 %Allocation	2030 Budget	2030 %Allocation	2031 Budget	2031 %Allocation
Electric Procurement EE Funds	$ 9,511,632	60%	$ 19,653,441	60%	$ 21,618,786	60%	$ 23,780,664	60%	$ 24,731,893	60%	$ 25,721,170	60%	$ 26,750,013	60%	$ 27,820,016	60%
Gas PPP Surcharge Funds	$ 6,341,088	40%	$ 13,102,294	40%	$ 14,412,524	40%	$ 15,853,776	40%	$ 16,487,928	40%	$ 17,147,446	40%	$ 17,833,342	40%	$ 18,546,677	40%
Total Funds	**$ 15,852,720**		**$ 32,755,736**		**$ 36,031,310**		**$ 39,634,441**		**$ 41,219,821**		**$ 42,868,616**		**$ 44,583,355**		**$ 46,366,693**	

Table 3c - Revenue Requirement for Cost Recovery by Funding Source

Authorized Funding in Rates (including Unspent/Uncommitted Funds)	Requirement	Carryover adjustment	Requirement	Carryover adjustment	Requirement	Carryover adjustment	Requirement	Carryover adjustment	Requirement	Carryover adjustment	Requirement	Carryover adjustment	Requirement	Carryover adjustment	Requirement	Carryover adjustment
Electric Procurement EE Funds	$ 9,511,632	60%	$ 19,653,441	60%	$ 21,618,786	60%	$ 23,780,664	60%	$ 24,731,893	60%	$ 25,721,170	60%	$ 26,750,013	60%	$ 27,820,016	60%
Gas PPP Surcharge Funds	$ 6,341,088	40%	$ 13,102,294	40%	$ 14,412,524	40%	$ 15,853,776	40%	$ 16,487,928	40%	$ 17,147,446	40%	$ 17,833,342	40%	$ 18,546,677	40%
Total Funds	**$ 15,852,720**		**$ 32,755,736**		**$ 36,031,310**		**$ 39,634,441**		**$ 41,219,821**		**$ 42,868,616**		**$ 44,583,355**		**$ 46,366,693**	

Table 3d - Unspent/Uncommitted Carryover Funds (in positive $ amounts)

	2024			2025			2026			2027			2028			2029			2030			2031		
Program Unspent/Uncommitted Funds	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

	2024			2025			2026			2027			2028			2029			2030			2031		
EM&V Unspent/Uncommitted Funds	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -	$ -		$ -	$ -		$ -	$ -	
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

	2024			2025			2026			2027			2028			2029			2030			2031		
Total Unspent/Uncommitted Funds	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Notes on Table 3d
Any actual uncommitted/unspent funds for 2023 will be trued-up in the IOU's respective electric and gas PPP annual rates advice letter for 2023.
2 These funds are assigned to CEC AB 841

Energy Efficiency [1,2]

	2024				2025				2026				2027			
	Demand Response	Energy Efficiency			Demand Response	Energy Efficiency			Demand Response	Energy Efficiency			Demand Response	Energy Efficiency		
	Response Funds	Efficiency Funds	Purpose Funds	Funds	Response Funds	Funds	Purpose Funds	Funds	Response Funds	Efficiency Funds	Purpose Funds	Funds	Response Funds	Efficiency Funds	Purpose Funds	Funds
Program Funds - PA [4]	$ -	$ 9,145,800	$ 6,097,200	$ 15,243,000	$ -	$ 18,897,540	$ 12,598,360	$ 31,495,900	$ -	$ 20,787,294	$ 13,858,196	$ 34,645,490	$ -	$ 22,866,024	$ 15,244,016	$ 38,110,039
Program Funds - CEC [5]																
Program Funds - REN [2]		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -
Program Funds - CCA [2]		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -
EM&V [3]		$ 365,832	$ 243,888	$ 609,720		$ 755,902	$ 503,934	$ 1,259,836		$ 831,492	$ 554,328	$ 1,385,820		$ 914,641	$ 609,761	$ 1,524,402
Budget Total	$ -	$ 9,511,632	$ 6,341,088	$ 15,852,720	$ -	$ 19,653,441	$ 13,102,294	$ 32,755,736	$ -	$ 21,618,786	$ 14,412,524	$ 36,031,310	$ -	$ 23,780,665	$ 15,853,777	$ 39,634,441

	2028				2029				2030				2031			
	Response	Energy Efficiency			Response	Energy Efficiency			Response	Energy Efficiency			Response	Energy Efficiency		
	Demand	Efficiency Funds	Public Purpose	Efficiency Funds	Demand	Efficiency Funds	Purpose Funds	Efficiency Funds	Demand	Efficiency Funds	Public Purpose	Efficiency Funds	Demand	Efficiency Funds	Purpose Funds	Efficiency Funds
Program Funds - PA [4]	$ -	$ 23,780,666	$ 15,853,777	$ 39,634,443	$ -	$ 24,731,894	$ 16,487,929	$ 41,219,823	$ -	$ 25,721,166	$ 17,147,444	$ 42,868,610	$ -	$ 26,750,015	$ 17,833,343	$ 44,583,358
Program Funds - CEC [5]																
Program Funds - REN [2]		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -
Program Funds - CCA [2]		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -
EM&V [3]		$ 951,227	$ 634,151	$ 1,585,378		$ 989,276	$ 659,517	$ 1,648,793		$ 1,028,847	$ 685,898	$ 1,714,745		$ 1,070,001	$ 713,334	$ 1,783,335
Budget Total	$ -	$ 24,731,893	$ 16,487,928	$ 41,219,821	$ -	$ 25,721,170	$ 17,147,446	$ 42,868,616	$ -	$ 26,750,013	$ 17,833,342	$ 44,583,355	$ -	$ 27,820,016	$ 18,546,677	$ 46,366,693

Notes:
1 Authorized budget excludes reductions from past unspent funds, carryover and is consistent with funding approved in D. 09-09-047, D. 12-11-015, D.14-10-046 and D.15-10-028, D.18-05-041 and D.21-01-004. CEC AB 841 program ends in 2023.
2 REN and CCA information provided by all RENS and CCAs and is consistent with their respective ABALs.
3 This represent total IOU+CCA+REN EM&V
4 Program Funds represents the total program budget, excluding EM&V.
5 only the IOU completes this line and should be consistent table 7.

Pa Name: SDREN
Budget Year: 2024-2027
(report budgets to the $--do not round)

Table 4 – Budget, Spent, Unspent, Carryover Details

Sort by Segment

							2024																
New/Existing Program #	Discontinued Program #	Program Name	Target Exempt	Program Type	Business Sector	Portfolio Segment	Administrative	Marketing/ Outreach	Direct Implementation Non-Incentive	Incentive/ Rebate	2024 PA Spending Budget Request	2024 PA Pre-2020 Uncommitted and Unspent Carryover Balance	2024 PA Revenue Requirement Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
SDREN-01-WET-EPP		Energy Partnerships Program	Yes	Local Third Party	WE&T	Market Support	$ -	$ 56,040	$ 784,560	$ -	$ 840,600	$ -	$ 840,600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-02-WET-BRC		Workforce Training & Capacity Building	Yes	Local Third Party	WE&T	Market Support	$ -	$ 91,080	$ 1,275,120	$ -	$ 1,366,200	$ -	$ 1,366,200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-01-RES-MFM		Multifamily	No	Local Third Party	Residential	Equity	$ -	$ 92,940	$ 1,301,160	$ -	$ 1,394,100	$ -	$ 1,394,100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-02-RES-SFM		Single-Family	No	Local Third Party	Residential	Equity	$ -	$ 174,240	$ 2,439,360	$ -	$ 2,613,600	$ -	$ 2,613,600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-01-PUB-CRL		Climate Resilience Leadership	No	Local Third Party	Public	Market Support	$ -	$ 163,320	$ 2,294,880	$ -	$ 2,458,200	$ -	$ 2,458,200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-02-PUB-TRE		Tribal Engagement	Yes	Local Third Party	Public	Equity	$ -	$ 14,040	$ 196,560	$ -	$ 210,600	$ -	$ 210,600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-01-COM-SMB		SMB Energy Coach	No	Local Third Party	Commercial	Equity	$ -	$ 84,120	$ 1,177,680	$ -	$ 1,261,800	$ -	$ 1,261,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-02-COM-ERF		Efficient Refrigeration	No	Local Third Party	Commercial	Equity	$ -	$ 56,040	$ 784,560	$ -	$ 840,600	$ -	$ 840,600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-03-COM-MAP		Market Access Program	No	Local Third Party	Commercial	Resource Acquisition	$ -	$ 126,120	$ 1,765,680	$ -	$ 1,891,800	$ -	$ 1,891,800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN-01-CS-CSS		Codes & Standards	Yes	Local Third Party	Codes & Standards	Codes & Standards	$ -	$ 56,040	$ 784,560	$ -	$ 840,600	$ -	$ 840,600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN_CS_PortfolioSupport		Codes & Standards Portfolio Support	Yes	Core PA	Portfolio Support	Codes & Standards	$ 93,400	$ -	$ -	$ -	$ 93,400	$ -	$ 93,400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN_RA_PortfolioSupport		Resource Acquisition Portfolio Support	Yes	Core PA	Portfolio Support	Resource Acquisition	$ 210,200	$ -	$ -	$ -	$ 210,200	$ -	$ 210,200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN_MS_PortfolioSupport		Market Support Portfolio Support	Yes	Core PA	Portfolio Support	Market Support	$ 518,400	$ -	$ -	$ -	$ 518,400	$ -	$ 518,400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDREN_EQ_PortfolioSupport		Equity Portfolio Support	Yes	Core PA	Portfolio Support	Equity	$ 702,300	$ -	$ -	$ -	$ 702,300	$ -	$ 702,300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
											$ -		$ -										
		PA PROGRAM TOTAL					$ 1,524,300	$ 914,580	$ 12,804,120	$ -	$ 16,243,000	$ -	$ 16,243,000	-	-	-	-	-	-	-	-	-	-
		EM&V (PA & ED Portions) Total[4]																					
		EM&V - PA									$ 167,673		$ 167,673										
		EM&V - ED									$ 442,047		$ 442,047										
		EM&V TOTAL									$ 609,720	$ -	$ 609,720										
		PA Program and EM&V Total					$ 1,524,300	$ 914,580	$ 12,804,120	$ -	$ 16,852,720	$ -	$ 16,852,720	-	-	-	-	-	-	-	-	-	-
		CEC AB 841 Program Budget--IOU PA only																					
		Applicable Annual % of difference between																					
		IOU 2020 and Beyond Uncommitted and																					
		CEC AB 841 Total																					
PA Spending Budget Request (PA Program and EM&V + CEC AB 841							$ 1,524,300	$ 914,580	$ 12,804,120	$ -	$ 16,852,720	$ -	$ 16,852,720	-	-	-	-	-	-	-	-	-	-
		Financing Pilot Programs																					
											$ -		$ -										
											$ -		$ -										
											$ -		$ -										
											$ -		$ -										
											$ -		$ -										
											$ -		$ -										
		Financing Pilot Programs Total					$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	-	-	-	-	-	-	-	-	-
		ME&O & ESA																					
		ME&O*									$ -		$ -										
		ESA2									$ -		$ -										
											$ -		$ -										

Notes: (PA to add as needed, e.g., relevant advice letter references, decision references and any other needed explanation:
1. ME&O requested budget for 2021 per AL 3498-E/3835-G.
2. SDG&E Financing Administrative cost is per AL 3451-E-A/2818-G.
3. Per D.21-01-xxx, percentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calculation is $116-80
4 Add footnote on Non-EE budgeted overheads
* For all PAs, EM&V costs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget
** PAs have the option of inputting by program or by tota

2026																																			
Administrative	Marketing/ Outreach	Direct Implementation Non-incentive	Incentive/Rebate	2026 PA Spending Budget Request	2026 PA Pre-2020 Unencumbered and Unspent Carryover Balance	2026 PA Revenue Requirement Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
$ -	$ 115,830	$ 1,621,620	$ -	$ 1,737,450	$ -	$ 1,737,450	-	-	-	-	-	-	-	-	-	-
$ -	$ 188,220	$ 2,635,080	$ -	$ 2,823,300	$ -	$ 2,823,300	-	-	-	-	-	-	-	-	-	-
$ -	$ 134,170	$ 852,375	$ 1,893,455	$ 2,880,000	$ -	$ 2,880,000	(118,771.54)	-	23,356.00	(38.31)	124.02	(1,188,895.64)	242,113.91	(360.40)	1,285.62	-
$ -	$ 273,481	$ 1,679,957	$ 3,446,562	$ 5,400,000	$ -	$ 5,400,000	(358,243.53)	-	52,250.00	(116.13)	277.45	(3,734,895.63)	543,881.71	(1,142.07)	2,888.02	-
$ -	$ 211,017	$ 2,938,498	$ 1,331,435	$ 5,080,950	$ -	$ 5,080,950	101,715.83	86.00	125,319.00	28.10	665.44	(1,917,423.07)	1,297,849.54	(603.37)	6,891.58	-
$ -	$ 28,956	$ 405,384	$ -	$ 434,340	$ -	$ 434,340	-	-	-	-	-	-	-	-	-	-
$ -	$ 134,128	$ 1,867,775	$ 604,227	$ 2,606,130	$ -	$ 2,606,130	852,452.10	110.00	18.00	267.40	0.09	3,880,434.60	36.53	1,231.30	0.19	-
$ -	$ 77,825	$ 462,625	$ 1,197,000	$ 1,737,450	$ -	$ 1,737,450	54,036.00	7.00	(155.00)	17.38	(0.62)	648,432.00	(1,862.48)	191.24	(9.88)	-
$ -	$ 232,075	$ 1,425,608	$ 2,251,567	$ 3,909,240	$ -	$ 3,909,240	3,333,474.17	-	-	1,143.28	-	37,668,258.08	-	11,724.35	-	-
$ -	$ 115,830	$ 1,621,620	$ -	$ 1,737,450	$ -	$ 1,737,450	-	-	-	-	-	-	-	-	-	-
$ 193,050	$ -	$ -	$ -	$ 193,050	$ -	$ 193,050	-	-	-	-	-	-	-	-	-	-
$ 434,360	$ -	$ -	$ -	$ 434,360	$ -	$ 434,360	-	-	-	-	-	-	-	-	-	-
$ 1,071,300	$ -	$ -	$ -	$ 1,071,300	$ -	$ 1,071,300	-	-	-	-	-	-	-	-	-	-
$ 1,450,880	$ -	$ -	$ -	$ 1,450,880	$ -	$ 1,450,880	-	-	-	-	-	-	-	-	-	-
				$ -		$ -										
$ 3,149,590	$ 1,611,632	$ 16,610,642	$ 11,324,236	$ 31,496,900	$ -	$ 31,496,900	3,864,003.03	203.00	200,788.00	1,301.74	1,066.18	36,365,910.33	2,082,023.22	11,041.08	11,066.64	-
				$ 346,455		$ 346,455										
				$ 913,381		$ 913,381										
				$ 1,259,836	$ -	$ 1,259,836										
$ 3,149,590	$ 1,611,632	$ 16,610,642	$ 11,324,236	$ 32,756,736	$ -	$ 32,756,736	3,864,003.03	203.00	200,788.00	1,301.74	1,066.18	36,365,910.33	2,082,023.22	11,041.08	11,066.64	-
$ 3,149,590	$ 1,611,632	$ 16,610,642	$ 11,324,236	$ 32,756,736	$ -	$ 32,756,736	3,864,003.03	203.00	200,788.00	1,301.74	1,066.18	36,365,910.33	2,082,023.22	11,041.08	11,066.64	-
				$ -		$ -										
				$ -		$ -										
				$ -		$ -										
				$ -		$ -										
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$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	-	-	-	-	-	-	-	-	-
				$ -		$ -										
				$ -		$ -										
				$ -		$ -										

2026																																			
Administrative	Marketing/ Outreach	Direct Implementation Non-incentive	Incentive/Rebate	2026 PA Spending Budget Request	2026 PA Pre-2020 Unencumbered and Unspent Carryover Balance	2026 PA Revenue Requirement Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
	$ 110,849	$ 1,800,346	$ -	$ 1,911,195	$ -	$ 1,911,195	-	-	-	-	-	-	-	-	-	-
	$ 180,126	$ 2,525,504	$ -	$ 3,105,630	$ -	$ 3,105,630	-	-	-	-	-	-	-	-	-	-
	$ 123,115	$ 902,848	$ 2,142,040	$ 3,168,000	$ -	$ 3,168,000	(128,562.83)	-	28,319.00	(43.38)	134.44	(1,287,143.16)	262,213.06	(382.63)	1,392.38	-
	$ 268,760	$ 1,522,976	$ 4,148,264	$ 5,940,000	$ -	$ 5,940,000	(411,791.52)	-	60,060.00	(139.59)	318.92	(4,293,164.37)	625,179.98	(1,289.78)	3,319.71	-
	$ 359,414	$ 2,793,342	$ 2,436,285	$ 5,589,045	$ -	$ 5,589,045	120,809.38	103.00	150,518.00	35.79	799.25	(2,313,397.46)	1,558,772.33	(712.16)	8,277.08	-
	$ 27,711	$ 450,063	$ -	$ 477,774	$ -	$ 477,774	-	-	-	-	-	-	-	-	-	-
	$ 162,283	$ 2,030,741	$ 673,719	$ 2,866,743	$ -	$ 2,866,743	907,288.20	117.00	19.00	298.87	0.10	4,130,053.20	38.88	1,280.85	0.21	-
	$ 32,471	$ 527,374	$ 1,351,352	$ 1,911,195	$ -	$ 1,911,195	58,230.90	7.00	(167.00)	19.40	(0.69)	699,770.80	(2,004.91)	201.36	(10.65)	-
	$ 172,198	$ 975,788	$ 3,152,178	$ 4,300,164	$ -	$ 4,300,164	4,444,629.66	-	-	1,553.47	-	60,224,315.11	-	15,383.44	-	-
	$ 110,849	$ 1,800,346	$ -	$ 1,911,195	$ -	$ 1,911,195	-	-	-	-	-	-	-	-	-	-
$ 212,355	$ -	$ -	$ -	$ 212,355	$ -	$ 212,355	-	-	-	-	-	-	-	-	-	-
$ 477,796	$ -	$ -	$ -	$ 477,796	$ -	$ 477,796	-	-	-	-	-	-	-	-	-	-
$ 1,178,430	$ -	$ -	$ -	$ 1,178,430	$ -	$ 1,178,430	-	-	-	-	-	-	-	-	-	-
$ 1,595,968	$ -	$ -	$ -	$ 1,595,968	$ -	$ 1,595,968	-	-	-	-	-	-	-	-	-	-
				$ -		$ -										
$ 3,484,649	$ 1,647,778	$ 16,729,526	$ 13,903,840	$ 34,646,490	$ -	$ 34,646,490	4,990,003.79	227.00	236,749.00	1,724.76	1,261.83	47,169,434.15	2,444,189.32	14,481.88	12,978.70	-
				$ 381,101		$ 381,101										
				$ 1,004,720		$ 1,004,720										
				$ 1,385,820	$ -	$ 1,385,820										
$ 3,484,649	$ 1,647,778	$ 16,729,526	$ 13,903,840	$ 36,031,310	$ -	$ 36,031,310	4,990,003.79	227.00	236,749.00	1,724.76	1,261.83	47,169,434.15	2,444,189.32	14,481.88	12,978.70	-
$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	-	-	-	-	-	-	-	-	-
				$ -		$ -										
				$ -		$ -										
				$ -		$ -										

2027																
Administrative	Marketing/ Outreach	Direct Implementation Non-Incentive	Incentive/Rebate	2027 PA Spending Budget Request	2027 PA Pre-2020 Uncommitted and Unspent Carryover Balance	2027 PA Revenue Requirement Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
$ -	$ 134,490	$ 1,967,825	$ -	$ 2,102,315	$ -	$ 2,102,315	-	-	-	-	-	-	-	-	-	-
$ -	$ 218,537	$ 3,197,656	$ -	$ 3,416,193	$ -	$ 3,416,193	-	-	-	-	-	-	-	-	-	-
$ -	$ 157,295	$ 823,928	$ 2,503,577	$ 3,484,800	$ -	$ 3,484,800	(140,177.33)	-	27,681.00	(47.85)	146.98	(1,403,197.90)	287,133.07	(406.16)	1,524.68	-
$ -	$ 279,880	$ 1,432,680	$ 4,821,441	$ 6,534,000	$ -	$ 6,534,000	(454,026.55)	-	66,221.00	(155.62)	351.63	(4,733,489.01)	689,300.97	(1,387.79)	3,660.19	-
$ -	$ 276,613	$ 2,796,215	$ 3,075,121	$ 6,147,950	$ -	$ 6,147,950	142,470.40	124.00	180,889.00	43.72	960.52	(2,799,664.50)	1,873,209.77	(834.91)	9,946.74	-
$ -	$ 33,612	$ 491,939	$ -	$ 525,551	$ -	$ 525,551	-	-	-	-	-	-	-	-	-	-
$ -	$ 194,250	$ 2,220,594	$ 738,573	$ 3,153,417	$ -	$ 3,153,417	943,180.92	122.00	20.00	315.34	0.10	4,293,439.92	40.42	1,293.14	0.21	-
$ -	$ 97,161	$ 478,826	$ 1,526,328	$ 2,102,315	$ -	$ 2,102,315	62,368.92	8.00	(179.00)	21.22	(0.95)	748,427.04	(2,147.39)	210.64	(11.40)	-
$ -	$ 186,618	$ 941,069	$ 3,602,493	$ 4,730,180	$ -	$ 4,730,180	4,837,696.94	-	-	1,581.26	-	54,665,975.45	-	16,428.65	-	-
$ -	$ 134,490	$ 1,967,825	$ -	$ 2,102,315	$ -	$ 2,102,315	-	-	-	-	-	-	-	-	-	-
$ 233,591	$ -	$ -	$ -	$ 233,591	$ -	$ 233,591	-	-	-	-	-	-	-	-	-	-
$ 525,575	$ -	$ -	$ -	$ 525,575	$ -	$ 525,575	-	-	-	-	-	-	-	-	-	-
$ 1,296,273	$ -	$ -	$ -	$ 1,296,273	$ -	$ 1,296,273	-	-	-	-	-	-	-	-	-	-
$ 1,755,565	$ -	$ -	$ -	$ 1,755,565	$ -	$ 1,755,565	-	-	-	-	-	-	-	-	-	-
				$ -		$ -										
$ 3,811,004	$ 1,712,845	$ 16,318,557	$ 16,267,533	$ 38,110,039	$ -	$ 38,110,039	5,391,513.30	264.00	274,632.00	1,758.07	1,458.29	50,771,491.01	2,847,536.86	16,303.57	15,120.42	-
				$ 419,211		$ 419,211										
				$ 1,105,191		$ 1,105,191										
				$ 1,524,402	$ -	$ 1,524,402										
$ 3,811,004	$ 1,712,845	$ 16,318,557	$ 16,267,533	$ 39,634,441	$ -	$ 39,634,441	5,391,513.30	264.00	274,632.00	1,758.07	1,458.29	50,771,491.01	2,847,536.86	16,303.57	15,120.42	-
$ 3,811,004	$ 1,712,845	$ 16,318,557	$ 16,267,533	$ 39,634,441	$ -	$ 39,634,441	5,391,513.30	264.00	274,632.00	1,758.07	1,458.29	50,771,491.01	2,847,536.86	16,303.57	15,120.42	-

				$ -		$ -										
				$ -		$ -										
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$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	-	-	-	-	-	-	-	-	-

				$ -		$ -										
				$ -		$ -										
				$ -		$ -										

Pa Name: SDREN
Budget Year: 2028-2031
(report budgets to the $--do not round)
Table 4 – Budget, Spent, Unspent, Carryover Details

						2028										
New/Existing Program #	Discontinued Program #	Sector Name	Portfolio Segment	2027 PA Spending Budget Request	Baseline Percentage increase	2028 PA Spending Budget Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
		Residential	Resource Acquisition	$ -	#DIV/0!											
		Commercial	Resource Acquisition	$ 5,255,756	4.0%	$ 5,465,985	4,755,927.00	-	-	1,532.00	-	53,741,973.00	-	16,088.00	-	-
		Industrial	Resource Acquisition	$ -	#DIV/0!											
		Agricultural	Resource Acquisition	$ -	#DIV/0!											
		Emerging Tech	Resource Acquisition	$ -	#DIV/0!											
		Public	Resource Acquisition	$ -	#DIV/0!											
		WE&T	Resource Acquisition	$ -	#DIV/0!											
		Finance	Resource Acquisition	$ -	#DIV/0!											
		OBF Loan Pool	Resource Acquisition	$ -	#DIV/0!											
		Residential	Market Support	$ -	#DIV/0!											
		Commercial	Market Support	$ -	#DIV/0!											
		Industrial	Market Support	$ -	#DIV/0!											
		Agricultural	Market Support	$ -	#DIV/0!											
		Emerging Tech	Market Support	$ -	#DIV/0!											
		Public	Market Support	$ 6,831,056	4.0%	$ 7,104,298	140,062.00	122.00	177,832.00	45.00	944.00	(2,752,342.00)	1,841,547.00	(839.00)	9,779.00	-
		WE&T	Market Support	$ 6,131,675	4.0%	$ 6,376,944										
		Finance	Market Support	$ -	#DIV/0!											
		OBF Loan Pool	Market Support	$ -	#DIV/0!											
		Residential	Equity	$ 10,018,800	15.6%	$ 11,577,280	(584,161.00)		92,314.00	(185.00)	490.00	(6,032,961.00)	959,930.00	(1,697.00)	5,097.00	-
		Commercial	Equity	$ 5,255,732	15.6%	$ 6,073,291	988,553.00	128.00	(157.00)	313.00	(1.00)	4,956,646.00	(2,071.00)	1,378.00	(11.00)	-
		Industrial	Equity	$ -	#DIV/0!											
		Agricultural	Equity	$ -	#DIV/0!											
		Emerging Tech	Equity	$ -	#DIV/0!											
		Public	Equity	$ 525,551	15.6%	$ 607,303										
		WE&T	Equity	$ -	#DIV/0!											
		Finance	Equity	$ -	#DIV/0!											
		OBF Loan Pool	Equity	$ -	#DIV/0!											
		Codes & Standards	Codes & Standards	$ 2,102,315	15.6%	$ 2,429,342										
		PA PROGRAM TOTAL				**$ 39,634,443**	**5,300,381.00**	**250.00**	**269,989.00**	**1,705.00**	**1,433.00**	**49,913,316.00**	**2,799,406.00**	**14,930.00**	**14,865.00**	**-**
		EM&V (PA & ED Portions) Total [5]														
		EM&V - PA		$ 419,211		$ 435,979										
		EM&V - ED		$ 1,105,191		$ 1,149,399										
		EM&V TOTAL		$ 1,524,402		**$ 1,585,378**										
		PA Spending Budget Request (PA Program and EM&V Total)				**$ 41,219,821**	**5,300,381.00**	**250.00**	**269,989.00**	**1,705.00**	**1,433.00**	**49,913,316.00**	**2,799,406.00**	**14,930.00**	**14,865.00**	**-**
		CEC AB 841 Program Budget--IOU PA only														
		Applicable Annual % of difference between IOU 2020 and Beyond Uncommitted and														
		CEC AB 841 Total														
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)						**$ 41,219,821**	**5,300,381.00**	**250.00**	**269,989.00**	**1,705.00**	**1,433.00**	**49,913,316.00**	**2,799,406.00**	**14,930.00**	**14,865.00**	**-**
		Financing Pilot Programs														
		Financing Pilot Programs Total				**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

		ME&O & ESA														
		ME&O[1]														
		ESA2														

Notes: (PA to add as needed, e.g., relevant advice letter references, decision references and any other needed explanations.
1. ME&O requested budget for 2021 per AL 3498-E/3835-G.

4 Portfolio Support allocated into sectors/segments to capture total budget request.
[5] For all PAs, EM&V costs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
[6] PAs have the option of inputting by program or by total

2029											2030										
2029 PA Spending Budget Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures	2030 PA Spending Budget Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
$ 5,684,626	4,677,446.00	-	-	1,462.00	-	52,855,137.00	-	15,626.00	-	-	$ 5,912,010	4,602,020.00	-	-	1,391.00	-	52,002,829.00	-	15,194.00	-	-
$ 7,388,470	137,751.00	120.00	174,897.00	36.00	929.00	(2,706,924.00)	1,811,159.00	(834.00)	9,617.00	-	$ 7,684,008	135,530.00	118.00	172,077.00	22.00	914.00	(2,663,274.00)	1,781,953.00	(826.00)	9,462.00	-
$ 6,632,022											$ 6,897,301										
$ 12,040,371	(574,521.00)	-	90,791.00	(170.00)	482.00	(5,933,408.00)	944,089.00	(1,631.00)	5,013.00	-	$ 12,521,986	(565,256.00)	-	89,327.00	(161.00)	474.00	(5,837,729.00)	928,865.00	(1,577.00)	4,932.00	-
$ 6,316,222	972,241.00	126.00	(154.00)	279.00	(1.00)	4,874,853.00	(2,037.00)	1,289.00	(11.00)	-	$ 6,568,870	956,563.00	124.00	(152.00)	252.00	(1.00)	4,796,244.00	(2,004.00)	1,222.00	(11.00)	-
$ 631,596											$ 656,859										
$ 2,526,516											$ 2,627,576										
$ 41,219,823	5,212,917.00	246.00	265,534.00	1,607.00	1,410.00	49,089,660.00	2,753,211.00	14,450.00	14,619.00	-	$ 42,868,610	5,128,857.00	242.00	261,252.00	1,504.00	1,387.00	48,298,070.00	2,708,814.00	14,013.00	14,383.00	-
$ 453,418											$ 471,555										
$ 1,195,375											$ 1,243,190										
$ 1,648,793											$ 1,714,745										
$ 42,868,616	5,212,917.00	246.00	265,534.00	1,607.00	1,410.00	49,089,660.00	2,753,211.00	14,450.00	14,619.00	-	$ 44,583,355	5,128,857.00	242.00	261,252.00	1,504.00	1,387.00	48,298,070.00	2,708,814.00	14,013.00	14,383.00	-
$ 42,868,616	5,212,917.00	246.00	265,534.00	1,607.00	1,410.00	49,089,660.00	2,753,211.00	14,450.00	14,619.00	-	$ 44,583,355	5,128,857.00	242.00	261,252.00	1,504.00	1,387.00	48,298,070.00	2,708,814.00	14,013.00	14,383.00	-
$ -	-	-	-	-	-	-	-	-	-	-	$ -	-	-	-	-	-	-	-	-	-	-

2031										
2031 PA Spending Budget Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
$ 6,148,490	4,529,439.00	-	-	1,386.00	-	51,182,662.00	-	14,788.00	-	-
$ 7,991,369	133,392.00	116.00	169,383.00	23.00	899.00	(2,621,270.00)	1,753,849.00	(609.00)	9,313.00	-
$ 7,173,194										
$ 13,022,866	(556,341.00)	-	87,918.00	(160.00)	467.00	(5,745,657.00)	914,216.00	(1,527.00)	4,854.00	-
$ 6,831,626	941,476.00	122.00	(149.00)	252.00	(1.00)	4,720,600.00	(1,973.00)	1,169.00	(10.00)	-
$ 683,134										
$ 2,732,679										
$ 44,583,358	5,047,966.00	238.00	257,132.00	1,501.00	1,365.00	47,536,335.00	2,666,092.00	13,621.00	14,157.00	-
$ 490,417										
$ 1,292,918										
$ 1,783,335										
$ 46,366,693	5,047,966.00	238.00	257,132.00	1,501.00	1,365.00	47,536,335.00	2,666,092.00	13,621.00	14,157.00	-
$ 46,366,693	5,047,966.00	238.00	257,132.00	1,501.00	1,365.00	47,536,335.00	2,666,092.00	13,621.00	14,157.00	-
$ -	-	-	-	-	-	-	-	-	-	-

Pa Name: SDREN
Budget Year: 2024-2031

Table 5 - Committed Energy Efficiency Program Funding - Funds Not Yet Spent as of 7/31/2021

Committed funds but not yet spent Category **	Electric Procurement Funds	Natural Gas Public Purpose Funds	Total
2017 to date EM&V Funds	$0	$0	$0
2017 to date Program Funds - Utility	$0	$0	$0
2017 to date Program Funds - REN	$0	$0	$0
2017 to date Program Funds - CCA	$0	$0	$0
2018 to date EM&V Funds	$0	$0	$0
2018 to date Program Funds - Utility	$0	$0	$0
2018 to date Program Funds - REN	$0	$0	$0
2018 to date Program Funds - CCA	$0	$0	$0
2019 to date EM&V Funds	$0	$0	$0
2019 to date Program Funds - Utility	$0	$0	$0
2019 to date Program Funds - REN	$0	$0	$0
2019 to date Program Funds - CCA	$0	$0	$0
2020 to date EM&V Funds	$0	$0	$0
2020 to date Program Funds - Utility	$0	$0	$0
2020 to date Program Funds - REN	$0	$0	$0
2020 to date Program Funds - CCA	$0	$0	$0
2021 to date EM&V Funds	$0	$0	$0
2021 to date Program Funds - Utility	$0	$0	$0
2021 to date Program Funds - REN	$0	$0	$0
2021 to date Program Funds - CCA	$0	$0	$0

** For Non-IOU PAs: complete on the EM&V and REN/CCA; provide information to your IOU partner for the IOUs share of the commitment.
For IOU PA: Input IOU EM&V and IOU commitments. Incorporate REN/CCA information into the table. IOU Tab 5 will provide full picture of all committed funds for the IOU/CCA/REN combined portfolios.

Pa Name: SCHEN
Budget Year: 2024-2027
Table 6 - Statewide Programs (Identical For All IOUs)

Insert Program Segment

(Col D*PGU 'Electric Proportional Share' from INPUT TABLE) + (Col E*PGU 'Gas Proportional Share' from INPUT TABLE)

Statewide Program*	Program Segment	Lead IOU	2021 Program Contract Budget Plan/as at Q4**	2022 Program Contract Budget Plan/as at Q4**	2023 Program Contract Budget Plan/as at Q4**	2024 Program Contract Budget Plan/as at Q4**	2025 Program Contract Budget Plan/as at Q4**	2026 Program Contract Budget Plan/as at Q4**	2027 Program Contract Budget Plan/as at Q4**	Initial (Expected or Actual) Contract Execution Date (mm/yyyy)***	Expected Contract End Date (MM/YYYY)	Expect to Extend/Renew, or Rebid contract?	Percent Electric	Combined (Electric & Gas) Proportional Contribution to Contract Cost per Lead-Share (Either as reflected in co-funding agreement, or expected in co-funding agreement. Funding share may be within +/-10% of Target per formula in row 1 above)				Total Contract Expenditures 2018-2021 **				Total IOU Administrative Expenditures 2018-2021*				2022 IOU Administrative Budget*				2023 IOU Administrative Budget*				2024 IOU Administrative Budget*				2025 IOU Administrative Budget*				2026 IOU Administrative Budget*				2027 IOU Administrative Budget*			
														Col G	Col H	Col F	Col G																															
														PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG
Workforce education, and training: Career and workforce readiness		PG&E																																														
Res New Construction																																																
Nonres New Construction																																																
Codes and Standards Advocacy																																																
Institutional Partnerships, DGS & Dept of																																																
WE&T K-12 Connections																																																
Water/wastewater pumping		SCE																																														
Lighting (Upstream)																																																
CTP, electric																																																
Institutional Partnerships, UC/CSU/CCC																																																
CTP, gas		SCG																																														
Food Service POS																																																
Midstream Comm Water Heating																																																
Res HVAC QI/QM		SDG&E																																														
Plug Load and Appliance																																																
Upstream HVAC (Comm + Res)																																																
Total			$ -	$ -	$ -	$ -	$ -	$ -	$ -									$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

*Modify rows as needed to reflect consolidation or division of a program category per solicitation approach or contracts. Ultimately there should be one line per executed SP contract.
**The contract budget or signed contract amount for a given year accounts for the anticipated launch date of the program. Program contract budgets reflect third party implementation contract values and expenditures. Estimated values for year end 2021.
* Administrative budgets for statewide programs are IOU specific and are filed under separate program IDs. They include all non-contract program expenditures which cover coordination, support and management. Estimate for year end 2021. This does not include any contract implementation cost.
***Launch date assumes that the signed contracts filed via AL are approved by ED in 30-days, where applicable.
SP Decision (D.18-05-041): OP 23. The 25 percent requirement for statewide funding articulated in D.16-08-019 shall be calculated as a proportion of the utility program administrator's total portfolio budget, including evaluation, measurement, and verification funding, but excluding funding allocated to other program administrators for other (non-statewide) programs. The percentage requirement for statewide program funding for the Southern California Gas Company shall be reduced to 15 percent, but remain 25 percent for the other utility program administrators

INPUT TABLE: DO NOT MODIFY				
IOU	Percent PPP	Percent PPP Gas	Electric	Gas
PG&E	80%	20%	44.4%	55.6%
SDG&E	90%	10%	15.5%	7.0%
SCE	100%	0%	40.1%	0.0%
SoCalGas	0%	100%	0.0%	41.4%

ADVICE LETTER 3268-E-A/2701-G-A
(San Diego Gas & Electric Company - U902 M)
ADVICE LETTER 5344-G-A
(Southern California Gas Company - U904 G)
ADVICE LETTER 3863-E-A
(Southern California Edison Company - U338 E)
ADVICE LETTER 5273-E-A/4009-G-A
(Pacific Gas & Electric Company - U39 M)

Pa Name: SDREN
Budget Y 2024-2031
Table 7.1 - PA 2024-2031 Budget Savings By Segment

	Segment	Requested Budget*	TSB	TRC	PAC	kWh	kW	Therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
2024	Resource Acquisition	1,891,800	-	-	-	-	-	-	-	-	-	-	-	-	-
	Market Support	4,665,600	-	-	-	-	-	-	-	-	-	-	-	-	-
	Equity	6,320,700	-	-	-	-	-	-	-	-	-	-	-	-	-
	Codes & Standards	840,600													
	EM&V	609,720													
	TOTAL Portfolio	**15,852,720**	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	Resource Acquisition	3,909,240	1,979,434	0	0	3,333,474	-	-	1,143	-	37,668,258	-	11,724	-	-
	Market Support	9,641,700	1,753,895	0	0	101,716	86	125,319	28	665	(1,917,423)	1,297,850	(603)	6,892	-
	Equity	13,057,919	1,132,454	0	0	429,473	117	75,469	130	401	(394,925)	784,174	(80)	4,164	-
	Codes & Standards	1,737,450													
	EM&V	1,259,836													
	TOTAL Portfolio	**32,755,736**	**4,865,783**	**1**	**1**	**3,864,663**	**203**	**200,788**	**1,302**	**1,066**	**35,355,910**	**2,082,023**	**11,041**	**11,056**	**-**
2026	Resource Acquisition	4,300,164	2,624,811	0	1	4,444,630	-	-	1,553	-	50,224,315	-	15,383	-	-
	Market Support	10,605,870	2,230,875	0	0	120,809	103	150,518	36	799	(2,313,397)	1,558,772	(712)	8,277	-
	Equity	14,363,712	1,312,645	0	0	425,165	124	85,231	135	453	(751,484)	885,427	(190)	4,702	-
	Codes & Standards	1,911,195													
	EM&V	1,385,820													
	TOTAL Portfolio	**36,031,310**	**6,168,331**	**1**	**1**	**4,990,604**	**227**	**235,749**	**1,725**	**1,252**	**47,159,434**	**2,444,199**	**14,482**	**12,979**	**-**
2027	Resource Acquisition	4,730,180	2,824,697	0	1	4,837,697	-	-	1,581	-	54,665,975	-	16,429	-	-
	Market Support	11,666,457	2,841,538	0	0	142,470	124	180,889	44	961	(2,799,664)	1,873,210	(835)	9,947	-
	Equity	15,800,083	1,494,065	0	0	411,346	130	93,743	133	498	(1,094,820)	974,327	(290)	5,174	-
	Codes & Standards	2,102,315													
	EM&V	1,524,402													
	TOTAL Portfolio	**39,634,441**	**7,160,300**	**1**	**1**	**5,391,513**	**254**	**274,632**	**1,758**	**1,458**	**50,771,491**	**2,847,537**	**15,304**	**15,120**	
2028	Resource Acquisition	5,465,985	2,919,598	0	1	4,755,927	-	-	1,532	-	53,741,973	-	16,088	-	-
	Market Support	13,481,242	2,919,602	0	0	140,062	122	177,832	45	944	(2,752,342)	1,841,547	(839)	9,779	-
	Equity	18,257,874	1,531,603	0	0	404,392	128	92,157	128	489	(1,076,315)	957,859	(319)	5,086	-
	Codes & Standards	2,429,342													
	EM&V	1,585,378													
	TOTAL Portfolio	**41,219,821**	**7,370,803**	**1**	**1**	**5,300,381**	**250**	**269,989**	**1,705**	**1,433**	**49,913,316**	**2,799,406**	**14,930**	**14,865**	**-**
2029	Resource Acquisition	5,684,626	2,856,028	0	1	4,677,446	-	-	1,462	-	52,855,137	-	15,626	-	-
	Market Support	14,020,492	3,034,481	0	0	137,751	120	174,897	36	929	(2,706,924)	1,811,159	(834)	9,617	-
	Equity	18,988,189	1,589,395	0	0	397,720	126	90,637	109	481	(1,058,553)	942,052	(342)	5,002	-
	Codes & Standards	2,526,516													
	EM&V	1,648,793													
	TOTAL Portfolio	**42,868,616**	**7,479,904**	**1**	**1**	**5,212,917**	**246**	**265,534**	**1,607**	**1,410**	**49,089,660**	**2,753,211**	**14,450**	**14,619**	**-**
2030	Resource Acquisition	5,912,010	2,810,399	0	0	4,602,020	-	-	1,391	-	52,002,829	-	15,194	-	-
	Market Support	14,581,309	3,156,950	0	0	135,530	118	172,077	22	914	(2,663,274)	1,781,953	(826)	9,462	-
	Equity	19,747,715	1,653,217	0	0	391,307	124	89,175	91	473	(1,041,485)	926,861	(355)	4,921	-
	Codes & Standards	2,627,576													
	EM&V	1,714,745													
	TOTAL Portfolio	**44,583,355**	**7,620,566**	**1**	**1**	**5,128,857**	**242**	**261,252**	**1,504**	**1,387**					
2031	Resource Acquisition	6,148,490	2,837,637	0	0	4,529,439	-	-	1,386	-	51,182,662	-	14,788	-	-
	Market Support	15,164,563	3,292,333	0	0	133,392	116	169,363	23	899	(2,621,270)	1,753,849	(809)	9,313	-
	Equity	20,537,626	1,722,899	0	0	385,135	122	87,769	92	466	(1,025,057)	912,243	(358)	4,844	-
	Codes & Standards	2,732,679													
	EM&V	1,783,335													
	TOTAL Portfolio	**46,366,693**	**7,852,869**	**1**	**1**	**5,047,966**	**238**	**257,132**	**1,501**	**1,365**	**47,536,335**	**2,666,092**	**13,621**	**14,157**	**-**
8-Yr Total		**299,312,691**	**48,518,556**	**6**	**6**	**34,936,901**	**1,660**	**1,765,076**	**11,102**	**9,371**	**328,124,216**	**18,301,282**	**97,840**	**97,179**	**-**

***Requested budget shown in this table does not include Portfolio Support by segment due to template design. Total Portfolio requested budget includes Portfolio Support.**

Pa Name: SDREN
Budget Year: 2024-2031
Table 7.2 - PA 2024-2031 Budget Savings By Sector

	Sector	Requested Budget*	TSB	TRC	PAC	kWh	kW	Therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
2024	Residential	4,007,700	0	0	0	-	-	-	-	-	-	-	-	-	-
	Commercial	3,994,200	0	0	0	-	-	-	-	-	-	-	-	-	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	2,669,400	0	0	0	-	-	-	-	-	-	-	-	-	-
	WE&T	2,206,800	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool	-				-	-	-	-	-	-	-	-	-	-
	Codes & Stds	840,600	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	609,720	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**15,852,720**	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	Residential	8,280,000	637,360	0.15	0.12	(477,015)	-	75,606	(154)	401	(4,923,791)	785,998	(1,502)	4,174	-
	Commercial	8,252,820	2,474,528	0.28	0.3	4,239,962	117	(137)	1,428	(1)	42,197,125	(1,824)	13,147	(10)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	5,515,290	1,753,895	0.37	0.37	101,716	86	125,319	28	665	(1,917,423)	1,297,850	(603)	6,892	-
	WE&T	4,560,750	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool	-				-	-	-	-	-	-	-	-	-	-
	Codes & Stds	1,737,450	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,259,836				-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**32,755,736**	**4,865,783**	**1**	**1**	**3,864,663**	**203**	**200,788**	**1,302**	**1,066**	**35,355,910**	**2,082,023**	**11,041**	**11,056**	**-**
2026	Residential	9,108,000	778,969	0.17	0.13	(540,354)	-	85,379	(183)	453	(5,580,308)	887,393	(1,672)	4,712	-
	Commercial	9,078,102	3,158,488	0.32	0.35	5,410,149	124	(148)	1,872	(1)	55,053,139	(1,966)	16,866	(10)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	6,066,819	2,230,875	0.42	0.42	120,809	103	150,518	36	799	(2,313,397)	1,558,772	(712)	8,277	-
	WE&T	5,016,825	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool	-				-	-	-	-	-	-	-	-	-	-
	Codes & Stds	1,911,195	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,385,820	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**36,031,310**	**6,168,332**	**1**	**1**	**4,990,604**	**227**	**235,749**	**1,725**	**1,252**	**47,159,434**	**2,444,199**	**14,482**	**12,979**	**-**
2027	Residential	10,018,800	930,124	0.18	0.14	(594,204)	-	93,902	(203)	499	(6,136,687)	976,434	(1,794)	5,185	-
	Commercial	9,985,912	3,388,637	0.31	0.35	5,843,247	130	(159)	1,918	(1)	59,707,842	(2,107)	17,932	(11)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	6,673,501	2,841,538	0.48	0.48	142,470	124	180,889	44	961	(2,799,664)	1,873,210	(835)	9,947	-
	WE&T	5,518,508	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool	-				-	-	-	-	-	-	-	-	-	-
	Codes & Stds	2,102,315	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,524,402	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**39,634,441**	**7,160,299**	**1**	**1**	**5,391,513**	**254**	**274,632**	**1,758**	**1,458**	**50,771,491**	**2,847,537**	**15,304**	**15,120**	**-**
2028	Residential	11,577,280	988,471	0.18	0.15	(584,161)	-	92,314	(185)	490	(6,032,961)	959,930	(1,697)	5,097	-
	Commercial	11,539,276	3,462,731	0.31	0.34	5,744,480	128	(157)	1,845	(1)	58,698,619	(2,071)	17,466	(11)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	7,711,601	2,919,602	0.48	0.48	140,062	122	177,832	45	944	(2,752,342)	1,841,547	(839)	9,779	-
	WE&T	6,376,944	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool	-				-	-	-	-	-	-	-	-	-	-
	Codes & Stds	2,429,342	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,585,378	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**41,219,821**	**7,370,804**	**1**	**1**	**5,300,381**	**250**	**269,989**	**1,705**	**1,433**	**49,913,316**	**2,799,406**	**14,930**	**14,865**	**-**
2029	Residential	12,040,371	1,064,725	0.18	0.15	(574,521)	-	90,791	(170)	482	(5,933,406)	944,089	(1,631)	5,013	-
	Commercial	12,000,848	3,380,699	0.3	0.32	5,649,687	126	(154)	1,741	(1)	57,729,990	(2,037)	16,915	(11)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	8,020,066	3,034,481	0.48	0.48	137,751	120	174,897	36	929	(2,706,924)	1,811,159	(834)	9,617	-
	WE&T	6,632,022	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool	-				-	-	-	-	-	-	-	-	-	-
	Codes & Stds	2,526,516	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,648,793	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**42,868,616**	**7,479,905**	**1**	**1**	**5,212,917**	**246**	**265,534**	**1,607**	**1,410**	**49,089,660**	**2,753,211**	**14,450**	**14,619**	**-**
2030	Residential	12,521,986	1,144,621	0.19	0.15	(565,256)	-	89,327	(161)	474	(5,837,729)	928,865	(1,577)	4,932	-
	Commercial	12,480,880	3,318,994	0.29	0.3	5,558,583	124	(152)	1,643	(1)	56,799,073	(2,004)	16,416	(11)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	8,340,867	3,156,950	0.47	0.47	135,530	118	172,077	22	914	(2,663,274)	1,781,953	(826)	9,462	-
	WE&T	6,897,301	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool	-				-	-	-	-	-	-	-	-	-	-
	Codes & Stds	2,627,576	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,714,745	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**44,583,355**	**7,620,565**	**1**	**1**	**5,128,857**	**242**	**261,252**	**1,504**	**1,387**	**48,298,070**	**2,708,814**	**14,013**	**14,383**	**-**
2031	Residential	13,022,866	1,213,178	0.19	0.15	(556,341)	-	87,918	(160)	467	(5,745,657)	914,216	(1,527)	4,854	-
	Commercial	12,980,116	3,347,357	0.28	0.29	5,470,915	122	(149)	1,638	(1)	55,903,262	(1,973)	15,957	(10)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	8,674,503	3,292,333	0.47	0.47	133,392	116	169,363	23	899	(2,621,270)	1,753,849	(809)	9,313	-
	WE&T	7,173,194	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool	-				-	-	-	-	-	-	-	-	-	-
	Codes & Stds	2,732,679	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,783,335	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**46,366,693**	**7,852,868**	**1**	**1**	**5,047,966**	**238**	**257,132**	**1,501**	**1,365**	**47,536,335**	**2,666,092**	**13,621**	**14,157**	**-**
8-Yr Total		**299,312,691**	**48,518,556**	**7**	**6**	**34,936,901**	**1,660**	**1,765,076**	**11,102**	**9,371**	**328,124,216**	**18,301,282**	**97,840**	**97,179**	**-**

***Requested budget shown in this table does not include Portfolio Support by segment due to template design. Total Portfolio requested budget includes Portfolio Support.**

Pa Name: SDREN
Budget Year: 2024-2031

Table 7.3 - PA 2024-2031 Budget Savings By Sector and Segment

Calculate TSB for all sectors, include GHG

Line	Sector	Program Year (PY) 2024 Budget*	PY2024 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Program Year (PY) 2025 Budget*	PY2025 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Program Year (PY) 2026 Budget*	PY2026 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e
	Resource Acquisition																		
	Residential	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Commercial	$1,891,800	-	-	-	-	-	$3,909,240	3,333,474.17	-	-	1,143	-	$4,300,164	4,444,629.66	-	-	1,553	-
	Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Public	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
1	WE&T	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
2	Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
3	OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
4	**PA Subtotal (does not include ESA budget and savings)**	**$1,891,800**	**-**	**-**	**-**	**-**	**-**	**$3,909,240**	**3,333,474**	**-**	**-**	**1,143**	**-**	**$4,300,164**	**4,444,630**	**-**	**-**	**1,553**	**-**
	Forecasted Total System Benefit (TSB)	$0						$1,979,434						$2,624,811					
	Forecasted Total Resource Cost (TRC)	0.00						0.40						0.46					
	Forecasted Administrator Cost (AC)	0.00						0.47						0.57					
	Market Support																		
	Residential	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Commercial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Public	$2,458,800	-	-	-	-	-	$5,080,950	101,715.83	86.00	125,319.00	28	665	$5,589,045	120,809.38	103.00	150,518.00	36	799
1	WE&T	$2,206,800	-	-	-	-	-	$4,560,750	-	-	-	-	-	$5,016,825	-	-	-	-	-
2	Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
3	OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
4	**PA Subtotal (does not include ESA budget and savings)**	**$4,665,600**	**-**	**-**	**-**	**$0**	**$0**	**$9,641,700**	**101,716**	**86**	**125,319**	**$28**	**$665**	**$10,605,875**	**120,809**	**103**	**150,518**	**$36**	**$799**
	Forecasted Total System Benefit (TSB)	$0						$1,753,895						$2,230,875					
	Forecasted Total Resource Cost (TRC)	0.00						0.20						0.23					
	Forecasted Administrator Cost (AC)	0.00						0.20						0.23					
	Equity																		
	Residential	$4,007,700	-	-	-	-	-	$8,280,000	(477,015.07)	-	75,606.00	(154)	401	$9,108,000	(540,354.34)	-	85,379.00	(183)	453
	Commercial	$2,102,400	-	-	-	-	-	$4,343,580	906,488.10	117.00	(137.00)	285	(1)	$4,777,938	965,519.10	124.00	(148.00)	318	(1)
	Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Public	$210,600	-	-	-	-	-	$434,340	-	-	-	-	-	$477,774	-	-	-	-	-
1	WE&T	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
2	Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
3	OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
4	**PA Subtotal (does not include ESA budget and savings)**	**$6,320,700**	**-**	**-**	**-**	**-**	**-**	**$13,057,919**	**429,473**	**117**	**75,469**	**130**	**401**	**$14,363,712**	**425,165**	**124**	**85,231**	**135**	**453**
	Forecasted Total System Benefit (TSB)	$0						$1,132,454						$1,312,645					
	Forecasted Total Resource Cost (TRC)	0.00						0.12						0.12					
	Forecasted Administrator Cost (AC)	0.00						0.11						0.11					
	Portfolio																		
	Residential	$4,007,700	-	-	-	-	-	$8,280,000	(477,015.07)	-	75,606.00	(154)	401	$9,108,000	(540,354.34)	-	85,379.00	(183)	453
	Commercial	$3,994,200	-	-	-	-	-	$8,252,820	4,239,962.27	117.00	(137.00)	1,428	(1)	$9,078,102	5,410,148.76	124.00	(148.00)	1,872	(1)
	Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Public	$2,669,400	-	-	-	-	-	$5,515,290	101,715.83	86.00	125,319.00	28	665	$6,066,819	120,809.38	103.00	150,518.00	36	799
1	WE&T	$2,206,800	-	-	-	-	-	$4,560,750	-	-	-	-	-	$5,016,825	-	-	-	-	-
2	Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
3	OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
4	**PA Subtotal (does not include ESA budget and savings)**	**$12,878,100**	**-**	**-**	**-**	**-**	**-**	**$26,608,860**	**3,864,663**	**203**	**200,788**	**1,302**	**1,066**	**$29,269,746**	**4,990,604**	**227**	**235,749**	**1,725**	**1,252**
5	**CPUC Savings Goal (w/o C&S)**																		
6	**Forecast savings as % of CPUC Savings Goal (w/o C&S)**	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	**Total EM&V [7]**	$609,720						$1,259,836						$1,385,820					
8a	PA EM&V	$167,673						$346,455						$381,101					
8b	ED EM&V	$442,047						$913,381						$1,004,720					
	Forecasted Total System Benefit (TSB)	$0						$4,865,784						$6,168,332					
	Forecasted Total Resource Cost (TRC)	0.00						0.18						0.21					
	Forecasted Portfolio Administrator Cost (PAC)	0.00						0.18						0.20					
	Forecasted Ratepayer Impact Measure (RIM)																		
7	**Codes and Standards**	$840,600						$1,737,450						$1,911,195					
9	**PA Spending Budget Request [1]**	$15,852,720						$32,755,736						$36,031,310					
10	**(LESS) PA Pre-2020 Uncommitted and Unspent Carryover Balance [2]**	$0						$0						$0					
11	**PA Revenue Requirement Request (Cost Recovery) [5]**	$15,852,720						$32,755,736						$36,031,310					
	% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to Exceed	69%						69%						69%					
12	**PA Authorized Budget Cap (D.18-05-041)**																		
	ONLY IOU COMPLETES THIS SECTION - For CCA & RENS in IOU Service Territory Only																		
13	**REN Budget Recovery Request**	$0						$0						$0					
13a	BayREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
13b	SoCal REN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
13c	3CREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
13d	RCEA PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
14	**CCA Budget Recovery Request**	$0						$0						$0					
14a	MCE PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
14b	Lancaster PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
14c	Redwood Coast Energy Authority (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
14d	San Jose Clean Energy (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
15	**Total PA (IOU+CCAs+RENs) Recovery Budget[6]**	$15,852,720						$32,755,736						$36,031,310					

***Requested budget shown in this table does not include Portfolio Support by Segment and Sector due to template design. The PA Spending Budget Requests do include Portfolio Support.**
[1] This is the PA's requested budget. It is the sum of the segment totals from above plus the portfolio support category.
[2] The balance of unspent uncommitted must reflect the total unspent uncommitted from pre-2020 EE authorized budgets Jan 1 2018 through Dec 31 of current year (PY-1). Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed.
[3] See D.21-01-004 Tables 2 (2022) and 3 (2022)
[4] Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed.
[5] The amount of funds to be collected (cost recovery) for the PA EE Program Year = Line 9 - Line 10 + Line 12
[6] Total amount to be requested in IOU's PPP advice letter for their programs, RENs and CCAs in their service territory, Line 15+ Line 21 + Line 22
[7] For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED = $0 .

Program Year (PY) 2027 Budget*	PY2027 FORECAST ENERGY SAVINGS (Net)					Program Year (PY) 2028 Budget	PY2028 FORECAST ENERGY SAVINGS (Net)					Program Year (PY) 2029 Budget	PY2029 FORECAST ENERGY SAVINGS (Net)					Program Year (PY) 2030 Budget	PY2030 FORECAST ENERGY SAVINGS (Net)					Program Year (PY) 2031 Budget	PY2031 FORECAST ENERGY SAVINGS (Net)				
	PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e		PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e		PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e		PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e		PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$4,730,180	4,837,696.94	-	-	1,581	-	$5,465,985	4,755,927.00	-	-	1,532.00	-	$5,684,626	4,677,446.00	-	-	1,462.00	-	$5,912,010	4,602,020.00	-	-	1,391.00	-	$6,148,490	4,529,439.00	-	-	1,386.00	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$4,730,180	**4,837,697**	**-**	**-**	**1,581**	**-**	**$5,465,985**	**4,755,927**	**-**	**-**	**1,532**	**-**	**$5,684,626**	**4,677,446**	**-**	**-**	**1,462**	**-**	**$5,912,010**	**4,602,020**	**-**	**-**	**1,391**	**-**	**$6,148,490**	**4,529,439**	**-**	**-**	**1,386**	**-**
$2,824,697						$2,919,598						$2,856,028						$2,810,399						$2,837,637					
0.45						0.46						0.45						0.44						0.44					
0.56						0.55						0.52						0.49						0.47					
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$6,147,950	142,470.40	124.00	180,889.00	44	961	$7,104,298	140,062.00	122.00	177,832.00	45.00	944.00	$7,388,470	137,751.00	120.00	174,897.00	36.00	929.00	$7,684,008	135,530.00	118.00	172,077.00	22.00	914.00	$7,991,369	133,392.00	116.00	169,363.00	23.00	899.00
$5,518,508	-	-	-	-	-	$6,376,944	-	-	-	-	-	$6,632,022	-	-	-	-	-	$6,897,301	-	-	-	-	-	$7,173,194	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$11,666,457	**142,470**	**124**	**180,889**	**$44**	**$961**	**$13,481,242**	**140,062**	**122**	**177,832**	**$45**	**$944**	**$14,020,492**	**137,751**	**120**	**174,897**	**$36**	**$929**	**$14,581,309**	**135,530**	**118**	**172,077**	**$22**	**$914**	**$15,164,563**	**133,392**	**116**	**169,363**	**$23**	**$899**
$2,841,538						$2,919,602						$3,034,481						$3,156,950						$3,292,333					
0.26						0.26						0.25						0.25						0.25					
0.26						0.26						0.25						0.25						0.25					
$10,018,800	(594,203.88)	-	93,902.00	(203)	499	$11,577,280	(584,161.00)	-	92,314.00	(185.00)	490.00	$12,040,371	(574,521.00)	-	90,791.00	(170.00)	482.00	$12,521,986	(565,256.00)	-	89,327.00	(161.00)	474.00	$13,022,866	(556,341.00)	-	87,918.00	(160.00)	467.00
$5,255,732	1,005,549.84	130.00	(159.00)	337	(1)	$6,073,291	988,553.00	128.00	(157.00)	313.00	(1.00)	$6,316,222	972,241.00	126.00	(154.00)	279.00	(1.00)	$6,568,870	956,563.00	124.00	(152.00)	252.00	(1.00)	$6,831,626	941,476.00	122.00	(149.00)	252.00	(1.00)
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$525,551	-	-	-	-	-	$607,303	-	-	-	-	-	$631,596	-	-	-	-	-	$656,859	-	-	-	-	-	$683,134	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$15,800,083	**411,346**	**130**	**93,743**	**133**	**498**	**$18,257,874**	**404,392**	**128**	**92,157**	**128**	**489**	**$18,988,189**	**397,720**	**126**	**90,637**	**109**	**481**	**$19,747,715**	**391,307**	**124**	**89,175**	**91**	**473**	**$20,537,626**	**385,135**	**122**	**87,769**	**92**	**466**
$1,494,065						$1,531,603						$1,589,395						$1,653,217						$1,722,899					
0.13						0.13						0.13						0.13						0.13					
0.11						0.11						0.11						0.11						0.11					
$10,018,800	(594,203.88)	-	93,902.00	(203)	499	$11,577,280	(584,161.00)	-	92,314.00	(185.00)	490.00	$12,040,371	(574,521.00)	-	90,791.00	(170.00)	482.00	$12,521,986	(565,256.00)	-	89,327.00	(161.00)	474.00	$13,022,866	(556,341.00)	-	87,918.00	(160.00)	467.00
$9,985,912	5,843,246.78	130.00	(159.00)	1,918	(1)	$11,539,276	5,744,480.00	128.00	(157.00)	1,845.00	(1.00)	$12,000,848	5,649,687.00	126.00	(154.00)	1,741.00	(1.00)	$12,480,880	5,558,583.00	124.00	(152.00)	1,643.00	(1.00)	$12,980,116	5,470,915.00	122.00	(149.00)	1,638.00	(1.00)
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$6,673,501	142,470.40	124.00	180,889.00	44	961	$7,711,601	140,062.00	122.00	177,832.00	45.00	944.00	$8,020,066	137,751.00	120.00	174,897.00	36.00	929.00	$8,340,867	135,530.00	118.00	172,077.00	22.00	914.00	$8,674,503	133,392.00	116.00	169,363.00	23.00	899.00
$5,518,508	-	-	-	-	-	$6,376,944	-	-	-	-	-	$6,632,022	-	-	-	-	-	$6,897,301	-	-	-	-	-	$7,173,194	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
$32,196,721	**5,391,513**	**254**	**274,632**	**1,758**	**1,458**	**$37,205,101**	**5,300,381**	**250**	**269,989**	**1,705**	**1,433**	**$38,693,307**	**5,212,917**	**246**	**265,534**	**1,607**	**1,410**	**$40,241,034**	**5,128,857**	**242**	**261,252**	**1,504**	**1,387**	**$41,850,679**	**5,047,966**	**238**	**257,132**	**1,501**	**1,365**
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
$1,524,402						$1,585,378						$1,648,793						$1,714,745						$1,783,335					
$419,211						$435,979						$453,418						$471,555						$490,417					
$1,105,191						$1,149,399						$1,195,375						$1,243,190						$1,292,918					
$7,160,300						$7,370,803						$7,479,904						$7,620,566						$7,852,869					
0.22						0.22						0.22						0.21						0.21					
0.21						0.21						0.21						0.20						0.20					
$2,102,315						$2,429,342						$2,526,516						$2,627,576						$2,732,679					
$39,634,441						$41,219,821						$42,868,616						$44,583,355						$46,366,693					
$0						$0						$0						$0						$0					
$39,634,441						$41,219,821						$42,868,616						$44,583,355						$46,366,693					
69%						77%						77%						77%						77%					
$0						$0						$0						$0						$0					
-						-						-						-						-					
-						-						-						-						-					
-						-						-						-						-					
-						-						-						-						-					
$0						$0						$0						$0						$0					
-						-						-						-						-					
-						-						-						-						-					
-						-						-						-						-					
-						-						-						-						-					
$39,634,441						$41,219,821						$42,868,616						$44,583,355						$46,366,693					

Pa Name: SDREN
Budget Year: 2024-2027
Table 8 - Caps & Targets

		2024 Energy Efficiency Cap And Target Expenditure Projections						2025 Energy Efficiency Cap And Target Expenditure Projections					
		Expenditures			Cap & Target Performance			Expenditures			Cap & Target Performance		
Line	Budget Category	Non-Third Party Qualifying Costs (Including PA costs and old definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs [2] (Local SW, CEC & AB 841)	Total Portfolio	Percent of Budget [5]	Cap %	Target %	Non-Third Party Qualifying Costs (Including PA costs and old definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs [2] (Including SW)	Total Portfolio	Percent of Budget [5]	Cap %	Target %
1	**Administrative Costs**												
2	PA [1]	$ -		$ -	0.0%	10.0%		$ -		$ -	0.0%	10.0%	
3	Non-PA Third Party & Partnership [2]		$ -	$ -	0.0%		10.0%		$ -	$ -	0.0%		10.0%
4	PA & Non-PA Target Exempt Programs [3]	$ 1,524,300	$ -	$ 1,524,300				$ 3,149,590	$ -	$ 3,149,590			
5	**Marketing and Outreach Costs [4]**												
6	Marketing & Outreach	$ -	$ 914,580	$ 914,580	5.8%		6.0%	$ -	$ 1,511,532	$ 1,511,532	9.5%		6.0%
7	Statewide Marketing & Outreach [5]	$ -		$ -				$ -		$ -			
8	**Direct Implementation Costs**												
9	Direct Implementation (Incentives and Rebates)	$ -	$ -	$ -				$ -	$ 11,324,236	$ 11,324,236			
10	Direct Implementation (Non Incentives and Non Rebates)	$ -	$ 9,763,320	$ 9,763,320	61.6%		20.0%	$ -	$ 9,226,838	$ 9,226,838	58.2%		20.0%
11	Incentives and Non Rebates) [3]	$ -	$ 3,040,800	$ 3,040,800				$ -	$ 6,283,704	$ 6,283,704			
12	**EM&V Costs (PA and Energy Division) [6,7]**	$ 609,720		$ 609,720	3.8%	4.0%		$ 1,259,836		$ 1,259,836	3.8%	4.0%	
12a	EM&V - PA	$ 167,673		$ 167,673				$ 346,455		$ 346,455			
12b	EM&V - ED	$ 442,047		$ 442,047				$ 913,381		$ 913,381			
13	**Total Portfolio Budget (includes PA Program and EM&V Budget + SW ME&O) [8]**	$ 2,134,020	$ 13,718,700	$ 15,852,720				$ 4,409,426	$ 28,346,310	$ 32,755,736			
14	**CEC AB 841 (per CPUC Code Section 1613 counts as a Third Party Program as defined in D.18-08-019, OP 10)**		$ -	$ -					$ -	$ -			
15	**PA Spending Budget Request (PA Program and EM&V + CEC AB 841) [9]**			$ 15,852,720						$ 32,755,736			
16	**Total Third-Party Implementer Contracts + CEC AB 841 (as defined per D.16-08-019, OP 10 and D.21-01-xxx OP) [10, 11]**		$ 13,718,700		86.5%		60.0%		$ 28,346,310		86.5%		60.0%

Notes:

1. 10% cap requirement based on D. 09-09-047 is set for IOU only.
2. New Third party program definition per D.16-08-019, OP 10. For Row 3 of this table, the "Third Party & Partnership" administrative costs under the "Non-Third Party Qualifying Costs" column are costs for programs that met the old Third Party definition prior to the transition to the new third party definition.
3. Target Exempt Programs are Non-Resource Programs which include: Emerging Technologies, Workforce Education & Training, Strategic Energy Resources (SER) program, 3P Placeholder for Public LGPs, and Codes & Standards programs (excluding Building Codes Advocacy, Appliance Standards Advocacy and National Standards Advocacy).
4. Statewide Marketing & Outreach (SW ME&O) is excluded from the Marketing and Outreach cost target calculation per D.13-12-038, at p. 82.
5. Statewide ME&O budgets for October 2019 through 2021 were requested in Advice Letter4098-G/5544-E and supplements, and are pending approval. The amount in Line 7 represents the portion allocated to EE.
6. For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED = $0 .
7. The EM&V percentage is based on PA's total portfolio budget of $X, which excludes SWME&O, RENs, CCAs and CEC AB 841. This is the Total in line 13, minus SWME&O in line 7.
8. As directed in the Energy Efficiency Policy Manual Version 5 July 2013, page 92, this total includes SW ME&O and excludes REN and CCA budgets and is the denominator used to calculate the IOU PA Admin, Marketing, and Direct Implementation Non-Incentives percentages.
9. IOU PA's 2021 Proposed Budget of $X excludes SWME&O budget of $Y and includes CEC AB 841 budgets of $Z.
10. IOU PA's percentage for Third-Party Implementer Contracts uses $X as its denominator, which is IOU PA Subtotal including EM&V, but excluding SWME&O, REN, and CCA. This is the Total in line 13 15, minus SWME&O in line 7.
11. IOU's Third-Party Implementer Contracts (as defined per D.16-08-019, OP 10) includes third-party contract and incentive budgets and statewide qualifying contract and incentive budgets.

2026 Energy Efficiency Cap And Target Expenditure Projections						2027 Energy Efficiency Cap And Target Expenditure Projections					
Expenditures			Cap & Target Performance			Expenditures			Cap & Target Performance		
Non-Third Party Qualifying Costs (including PA costs and old definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs [2] (including SW)	Total Portfolio	Percent of Budget [3]	Cap %	Target %	Non-Third Party Qualifying Costs (including PA costs and old definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs [2] (including SW)	Total Portfolio	Percent of Budget [3]	Cap %	Target %
$ -		$ -	0.0%	10.0%		$ -		$ -	0.0%	10.0%	
	$ -	$ -	0.0%		10.0%		$ -	$ -	0.0%		10.0%
$ 3,464,549	$ -	$ 3,464,549				$ 3,811,004	$ -	$ 3,811,004			
$ -	$ 1,547,776	$ 1,547,776	9.8%		6.0%	$ -	$ 1,712,945	$ 1,712,945	10.8%		6.0%
$ -		$ -				$ -		$ -			
$ -	$ 13,903,840	$ 13,903,840				$ -	$ 16,267,533	$ 16,267,533			
$ -	$ 8,753,066	$ 8,753,066	55.2%		20.0%	$ -	$ 8,693,312	$ 8,693,312	54.8%		20.0%
$ -	$ 6,976,259	$ 6,976,259				$ -	$ 7,625,245	$ 7,625,245			
$ 1,385,820		$ 1,385,820	3.8%	4.0%		$ 1,524,402		$ 1,524,402	3.8%	4.0%	
$ 381,101		$ 381,101				$ 419,211		$ 419,211			
$ 1,004,720		$ 1,004,720				$ 1,105,191		$ 1,105,191			
$ 4,850,369	$ 31,180,941	$ 36,031,310				$ 5,335,406	$ 34,299,035	$ 39,634,441			
	$ -	$ -					$ -	$ -			
		$ 36,031,310						$ 39,634,441			
	$ 31,180,941		86.5%		60.0%		$ 34,299,035		86.5%		60.0%

Pa Name: SDREN
Budget Year: 2024-2031

FUNCTION DEFINITIONS

Aggregated Category	Definition	Functional Category	Detailed Definition
Policy, Strategy, and Regulatory Reporting Compliance	Includes policy, strategy, compliance, audits and regulatory support	Planning & Compliance	DSM Goal Planning; lead legislative review/positioning; policy support on reg proceedings; portfolio optimization; end use-market strategy; DSM lead for PRP, DRP, ES; locational targeting; audit support; SOX certifications; developing control plans; developing action plans; continuous monitoring; inspections; program/product QA/QC; decision compliance oversight/tracking; data requests; policies & procedures
		Company Regulatory Support	Case management for EE proceedings
Program management	Includes labor, contracts, admin costs for program design, program implementation, product and channel management for all sectors	Program Management & Delivery	Market Segment & Locational Resource programs; Business Core & Finance Programs; Large Power DR Programs; Non-Res HVAC & Technical Services; Program Integration & Optimization; Residential EE & DR Programs (incl. Res HVAC QI); IQP & Economic Assistance Programs; Mass Market DR Programs; Education & Information Products & Services; Energy Leader Partnerships; Institutional & Federal Partnerships; REN Coordination; Strategic Plan Support; Energy/Water Program Mgt; Service Level Agreement Tracking
		Product Management	Manage end-to-end new products and services (P&S) intake, evaluation, and launch process; develop and facilitate P&S governance teams, coordination of all sub-process owners, stakeholders, and technical resources required to evaluate and launch new products; evaluate and launch new services and OOR opportunities; develop external partnerships & strategic alliances; work with various companies and associations to help advance standards, products, and tech.; work with external experts to help reduce SCE costs to deliver new prog. and products; develop and launch new customer technologies, products, services for residential and business customers; conduct customer pilots of new technologies and programs; lead customer field demonstrations of new technologies and products; align new P&S to savings programs/incentives; develop new programs/incentives in support of savings goals
		Channel Management	
		Contract Management	Budget forecasting, spend tracking, invoice processing, and contract management with vendors and suppliers; Regulatory support for ME&O activities
Engineering Services	Includes engineering, project management, and contracts associated with workpaper development and pre/post sales project technical reviews and design assistance	Custom project support	Management of Emerging Products projects; Customized reviews; LCR/RFO support; Ex-ante review management; Technical policy support; Technical assessments; Workpapers; Tool development; End use subject matter expertise
		Deemed workpapers	
		Project management	
Customer Application/Rebate and Incentive Processing	Costs associated with application management and rebate and incentive processing (deemed and custom)	Rebate & Application Processing	
Inspections	Costs associated with project inspections	Inspections	
Portfolio Analytics	Includes analytics support, including internal performance reporting and external reporting	Data analytics	Data development for programs, products and services; Standard and ad hoc data extracts for internal and external clients ; Database management; CPUC, CAISO reporting; Data reconciliation; E3 support ; Compliance filing support; Funding Oversight; ESPI support; Program Results Data & Performance
EM&V	EM&V expenditures	EM&V Studies	Program and product review; manage evaluation studies
		EM&V Forecasting	EE lead for LTPP and IEPR, market potential study, integration w/ procurement planning, CPUC
ME&O	Costs associated with utility EE marketing; no statewide; focus on outsourced portion	Marketing	Customer Programs, Products, and Services Marketing, Digital Product Development, Digital Content & Optimization
		Customer insights	Voice of the Customer; Customer satisfaction study measurement and analysis (JD Power, SDS); Customer testing/research
Account Management / Sales	Costs associated with account rep energy efficiency sales functions	Account Management	
IT	IT project specific costs and regular O&M	IT - project specific	Projects and minor enhancements. Includes project management/business integration ("PMO/BID"). Excluded: maintenance (which SCE defines as when something goes down, normal batch processing, verifying interfaces, etc.).
		IT - regular O&M	
Call Center	Costs associated with call center staff fielding EE program questions	Call Center	
Incentives	Costs of rebate and incentive payments to customers	Incentives	

Pa Name: SDREN
Budget Year: 2024-2027
PORTFOLIO STAFFING

Functional Group	2020 EE Portfolio	2022 EE Portfolio	2023 EE Portfolio	2024 EE	2025 EE	2026 EE	2027 EE
Policy, Strategy, and Regulatory Reporting Compliance				1.2	2.5	2.7	3.0
Program Management				3.6	7.4	8.2	9.0
Engineering Services							
Customer Application/Rebate/Incentive Processing							
Customer Project Inspections							
Portfolio Analytics (1)							
EM&V							
ME&O (Local)				0.3	0.5	0.5	0.5
Account Management / Sales							
IT							
Call Center							
Total	-	-	-	5.1	10.4	11.4	12.5

A. → Narrative description of in-house departments/organizations supporting the PA's EE portfolio

- Functions conducted by each department/organization
- Management structure and org chart
- Staffing needs by department/organization, including current and forecast for 2018, as well as a description of what changes are expected in the near term (2019-2020) or why it's impossible to predict beyond 2018, if that's the PA's position.
- Non-program functions currently performed by contractors (e.g. advisory consultants), as well as a description of what changes are expected in the near term (2019-2020) or why it's impossible to predict beyond 2018, if that's the PA's position.
- Anticipated drivers of in-house cost changes by department/organization
- Explanation of method for forecasting costs

B. → Table showing PA EE headcount by department/organization

- TURN and ORA like this example, taken from testimony PG&E's 2017 GRC addressing its Energy Procurement department. We would be looking for 2016 or 2017 "recorded" positions, depending on what's most appropriate for the PA, or both, if that provides the most clarity. For forecast years, we'd want at least 2018.

Pa Name: SDREN
Budget Year: 2024-2031

PORTFOLIO SUMMARY

	2020 EE Portfolio Expenditures				2024 EE Portfolio Budget				2025 EE Portfolio Budget				
Sector	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor
Residential				$ -	$ 472,018	$ 3,980,982	$ -	$ 4,453,000	$ 960,765	$ 2,899,219	$ 5,340,017	$ 9,200,000	$ 1,051,187
Commercial				$ -	$ 470,428	$ 3,967,572	$ -	$ 4,438,000	$ 961,384	$ 4,155,632	$ 4,052,784	$ 9,169,800	$ 1,045,374
Industrial				$ -			$ -	$ -			$ -	$ -	
Agricultural				$ -			$ -	$ -			$ -	$ -	
Public				$ -	$ 314,396	$ 2,651,604	$ -	$ 2,966,000	$ 636,807	$ 3,559,858	$ 1,931,435	$ 6,128,100	$ 712,803
Cross Cutting*				$ -	$ 358,916	$ 3,027,084	$ -	$ 3,386,000	$ 741,788	$ 6,256,212	$ -	$ 6,998,000	$ 809,962
Total Sector Budget	$ -	$ -	$ -	$ -	$ 1,615,758	$ 13,627,242	$ -	$ 15,243,000	$ 3,300,744	$ 16,870,921	$ 11,324,236	$ 31,495,900	$ 3,619,327
EM&V-PA				$ -		$ 167,673	$ -	$ 167,673	$ -	$ 346,455	$ -	$ 346,455	$ -
EM&V-ED				$ -		$ 442,047	$ -	$ 442,047	$ -	$ 913,381	$ -	$ 913,381	$ -
OBF - Loan Pool**				$ -			$ -	$ -			$ -	$ -	
PA Spending Budget Request	$ -	$ -	$ -	$ -	$ 1,615,758	$ 14,236,962	$ -	$ 15,852,720	$ 3,300,744	$ 18,130,757	$ 11,324,236	$ 32,755,736	$ 3,619,327

* Cross Cutting Sector includes Codes & Standards, Emerging Technologies, Workforce Education & Training, Finance.

** For SDG&E and SCG the loan pool is not part of the authorized EE portfolio budget and is collected and tracked through a separate balancing account.

A. - **Attachment-A, Question C-8**¶

"Present a single table summarizing energy savings targets, and expenditures by sector (for the six specified sectors). This table should enable facilitate assessment of relative contributions of the sectors to savings targets, and relative cost-effectiveness."¶
¶

- TURN and ORA invite the PAs to propose a common table format for this information. We don't have anything specific in mind.¶
- Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C-8 Table.¶
¶

2026 EE Portfolio Budget			2027 EE Portfolio Budget				2020 EE Portfolio Savings			2024 EE Portfolio Forecasted Savings			2025 EE Portfolio Forecasted Savings			2026 EE Portfolio Forecasted Savings			2027 EE Portfolio Forecasted Savings		
Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	KWH	KW	MTHERMS	KWH	KW	MTHERMS	KWH	KW	MTHERMS	KWH	KW	MTHERMS	KWH	KW	MTHERMS
$ 2,778,509	$ 6,290,304	$ 10,120,000	$ 1,156,917	$ 2,650,065	$ 7,325,018	$ 11,132,000				-	-	-	(477,015)	-	75,606	(540,354)	-	85,379	(594,204)	-	93,902
$ 3,864,160	$ 5,177,247	$ 10,086,780	$ 1,157,349	$ 4,070,715	$ 5,867,394	$ 11,095,458				-	-	-	4,239,962	117	(137)	5,410,149	124	(148)	5,843,247	130	(159)
	$ -	$ -			$ -	$ -				-	-	-	-	-	-	-	-	-	-	-	-
	$ -	$ -			$ -	$ -				-	-	-	-	-	-	-	-	-	-	-	-
$ 3,591,818	$ 2,436,289	$ 6,740,910	$ 772,523	$ 3,567,357	$ 3,075,121	$ 7,415,001				-	-	-	101,716	86	125,319	120,809	103	150,518	142,470	124	180,889
$ 6,887,838	$ -	$ 7,697,800	$ 895,508	$ 7,572,072	$ -	$ 8,467,580				-	-	-	-	-	-	-	-	-	-	-	-
$ 17,122,323	$ 13,903,840	$ 34,645,490	$ 3,982,297	$ 17,860,209	$ 16,267,533	$ 38,110,039	-	-	-	-	-	-	3,864,663	203	200,788	4,990,604	227	235,749	5,391,513	254	274,632
$ 381,101	$ -	$ 381,101	$ -	$ 419,211	$ -	$ 419,211															
$ 1,004,720	$ -	$ 1,004,720	$ -	$ 1,105,191	$ -	$ 1,105,191															
	$ -	$ -			$ -	$ -															
$ 18,508,143	**$ 13,903,840**	**$ 36,031,310**	**$ 3,982,297**	**$ 19,384,611**	**$ 16,267,533**	**$ 39,634,441**	-	-	-	-	-	-	**3,864,663**	**203**	**200,788**	**4,990,604**	**227**	**235,749**	**5,391,513**	**254**	**274,632**

Pa Name: SDREN
Budget Year: 2024-2027
RESIDENTIAL BUDGET DETAIL $ 445,300

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Residential	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	$ 111,325	$ 230,000	$ 253,000	$ 278,300
		Program Management	$ 333,975	$ 690,000	$ 759,000	$ 834,900
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 26,718	$ 40,765	$ 39,188	$ 43,717
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		**$ 472,018**	**$ 960,765**	**$ 1,051,187**	**$ 1,156,917**
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation	$ 3,740,520	$ 2,532,333	$ 2,425,821	$ 2,256,608
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 240,462	$ 366,886	$ 352,688	$ 393,457
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs		$ 5,340,017	$ 6,290,304	$ 7,325,018
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		**$ 3,980,982.000**	**$ 8,239,235.400**	**$ 9,068,812.520**	**$ 9,975,082.674**
Residential Total			**$ 4,453,000.000**	**$ 9,200,000.000**	**$ 10,120,000.000**	**$ 11,132,000.000**
	Other (collected through GRC) (2)	Labor Overheads				
			$ 4,453,000.00	$ 9,200,000.00	$ 10,120,000.00	$ 11,132,000.00

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE) $ 267,180
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

C. → Table showing costs by functional area of management structure

¶

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)
- → Identify any capital costs

B. → Attachment A, Question C.9

¶

"Using a common budget template developed in consultation with interested stakeholders (hopefully agreed upon at a "meet and confer" session), display how much of each year's budget each PA anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, marketing), by sector and by cross-cutting program."

¶

- → TURN and ORA invite the PAs to propose a common table format for this information. We don't have anything specific in mind.
- → Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.9 Table.

Pa Name: SDREN
Budget Year: 2024-2027
COMMERCIAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Commercial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	$ 110,950	$ 229,245	$ 252,170	$ 277,386
		Program Management	$ 332,850	$ 687,736	$ 756,509	$ 832,159
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 26,628	$ 44,403	$ 36,695	$ 47,803
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		**$ 470,428**	**$ 961,384**	**$ 1,045,374**	**$ 1,157,349**
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation	$ 3,727,920	$ 3,756,007	$ 3,533,903	$ 3,640,489
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 239,652	$ 399,625	$ 330,257	$ 430,226
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs		$ 4,052,784	$ 5,177,247	$ 5,867,394
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		**$ 3,967,572**	**$ 8,208,416**	**$ 9,041,406**	**$ 9,938,109**
Commercial Total (5)			**$ 4,438,000**	**$ 9,169,800**	**$ 10,086,780**	**$ 11,095,458**
	Other (collected through GRC) (2)	Labor Overheads				
			$ 4,438,000.00	$ 9,169,800.00	$ 10,086,780.00	$ 11,095,458.00

Notes:

(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".
(5) Under the previous program categories the following programs were classified as Cross Cutting: 3P-IDEEA, Local-IDSM-ME&O-Local Marketing (EE), SW-IDSM-IDSM. These are included in Table 16 Cross Cutting. These three programs are now classified as Commercial with the elimination of Cross Cutting programs.

C. → Table showing costs by functional area of management structure

¶

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)
- → Identify any capital costs

B. → Attachment-A, Question C.9

¶

"Using a common budget template developed in consultation with interested stakeholders (hopefully agreed upon at a "meet and confer" session), display how much of each year's budget each PA anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, marketing), by sector and by cross-cutting program."

¶

- → TURN and ORA invite the PAs to propose a common table format for this information. We don't have anything specific in mind.
- → Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.9 Table.

Pa Name: SDREN
Budget Year: 2024-2027
INDUSTRIAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Industrial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)				
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		$ -	$ -	$ -	$ -
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation				
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)				
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs				
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		$ -	$ -	$ -	$ -
Industrial Total (5)			$ -	$ -	$ -	$ -
	Other (collected through GRC) (2)	Labor Overheads				
			$ -	$ -	$ -	$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

C. → **Table showing costs by functional area of management structure**¶
¶

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)¶
- → Identify any capital costs¶

B. → **Attachment-A, Question C.9**¶
¶

"Using a common budget template developed in consultation with interested stakeholders (hopefully agreed upon at a "meet and confer" session), display how much of each year's budget each PA anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, marketing), by sector and by cross-cutting program."¶
¶

- → TURN and ORA invite the PAs to propose a common table format for this information. We don't have anything specific in mind.¶
- → Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.9 Table.¶

Pa Name: SDREN
Budget Year: 2024-2027
AGRICULTURAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Agricultural	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)				
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		$ -	$ -	$ -	$ -
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation				
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)				
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs				
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		$ -	$ -	$ -	$ -
Agricultural Total (5)			$ -	$ -	$ -	$ -
	Other (collected through GRC) (2)	Labor Overheads				
			$ -	$ -	$ -	$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

C. → **Table showing costs by functional area of management structure**

¶

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)
- → Identify any capital costs

B. → **Attachment-A, Question C.9**

¶

"Using a common budget template developed in consultation with interested stakeholders (hopefully agreed upon at a "meet and confer" session), display how much of each year's budget each PA anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, marketing), by sector and by cross-cutting program."

¶

- → TURN and ORA invite the PAs to propose a common table format for this information. We don't have anything specific in mind.
- → Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.9 Table.

Pa Name: SDREN
Budget Year: 2024-2027
PUBLIC SECTOR BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Public Sector	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	$ 74,150.000	$ 153,202.417	$ 168,522.695	$ 185,375.117
		Program Management	$ 222,450.000	$ 459,607.252	$ 505,568.086	$ 556,125.351
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 17,796.000	$ 23,997.300	$ 38,712.500	$ 31,022.527
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		**$ 314,396.000**	**$ 636,806.969**	**$ 712,803.281**	**$ 772,522.995**
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation	$ 2,491,440.000	$ 3,343,882.000	$ 3,243,405.000	$ 3,288,154.100
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 160,164.000	$ 215,975.700	$ 348,412.500	$ 279,202.743
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs		$ 1,931,435.331	$ 2,436,289.219	$ 3,075,121.162
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		**$ 2,651,604.000**	**$ 5,491,293.031**	**$ 6,028,106.719**	**$ 6,642,478.005**
Public Sector Total (5)			**$ 2,966,000.000**	**$ 6,128,100.000**	**$ 6,740,910.000**	**$ 7,415,001.000**
	Other (collected through GRC) (2)	Labor Overheads				
			$ 2,966,000.00	$ 6,128,100.00	$ 6,740,910.00	$ 7,415,001.00

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

C. → Table showing costs by functional area of management structure

¶

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)
- → Identify any capital costs

B. → Attachment A, Question C.9

¶

"Using a common budget template developed in consultation with interested stakeholders (hopefully agreed upon at a "meet and confer" session), display how much of each year's budget each PA anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, marketing), by sector and by cross-cutting program."

¶

- → TURN and ORA invite the PAs to propose a common table format for this information. We don't have anything specific in mind.
- → Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.9 Table.

Pa Name: SDREN
Budget Year: 2024-2027
CROSS -CUTTING BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Cross-Cutting	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	$ 84,650.000	$ 174,950.000	$ 192,445.000	$ 211,689.100
		Program Management	$ 253,950.000	$ 524,850.000	$ 577,335.000	$ 635,067.300
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 20,316.000	$ 41,988.000	$ 40,182.400	$ 48,751.660
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		**$ 358,916.000**	**$ 741,788.000**	**$ 809,962.400**	**$ 895,508.060**
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation	$ 2,844,240.000	$ 5,878,320.000	$ 6,526,196.000	$ 7,133,307.000
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 182,844.000	$ 377,892.000	$ 361,641.600	$ 438,764.940
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs				
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		**$ 3,027,084.000**	**$ 6,256,212.000**	**$ 6,887,837.600**	**$ 7,572,071.940**
Cross-Cutting Total (5)			**$ 3,386,000.000**	**$ 6,998,000.000**	**$ 7,697,800.000**	**$ 8,467,580.000**
	Other (collected through GRC) (2)	Labor Overheads				
			$ 3,386,000.00	$ 6,998,000.00	$ 7,697,800.00	$ 8,467,580.00

Notes:

(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".
(5) Under the previous program categories the following programs were classified as Cross Cutting: 3P-IDEEA, Local-IDSM-ME&O-Local Marketing (EE), SW-IDSM-IDSM. These are included in Table 16 Cross Cutting. These three programs are now classified as Commercial with the elimination of Cross Cutting programs.

C. → Table showing costs by functional area of management structure

¶

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)
- → Identify any capital costs

B. → Attachment-A, Question C.9

¶

"Using a common budget template developed in consultation with interested stakeholders (hopefully agreed upon at a "meet and confer" session), display how much of each year's budget each PA anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, marketing), by sector and by cross-cutting program."

¶

- → TURN and ORA invite the PAs to propose a common table format for this information. We don't have anything specific in mind.
- → Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.9 Table.

Pa Name: SDREN
Budget Year: 2024-2027
BP Metrics

SDREN WILL FOLLOW GUIDANCE ON ADOPTED METHODOLOGIES AND CLARIFICATIONS ON THE BELOW ADOPTED INDICATORS ANTICIPATED THROUGH A JOINT TIER 2 ADVICE LETTER IN MAY 2024

Table 9: Metrics Compliance Filing

Index	PA	AAA Page	AAA Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan AA A Description	Metric	Sector	Baseline Year	Target 2024	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
0	SDREN	A33	PL1	G	MT CO2eq	NEW: Energy Savings	Metric	Greenhouse gases (MT CO2eq) Net kWh savings, reported on an annual basis	CO2 equivalent of net annual kWh savings	Portfolio Level (PL) – All Sectors	2025	-	1,922	1,725	1,758	Projected savings from CET.	Includes CO2 but not NOX and PM10 as these are not GHG equivalents. New GHG added to CET for 2024	
1	SDREN	A32	PL1	S1	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kW gross	Portfolio Level (PL) – All Sectors	2025	-	372	420	471	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
2	SDREN	A32	PL1	S1	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kW net	Portfolio Level (PL) – All Sectors	2025	-	209	228	254	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
3	SDREN	A32	PL1	S1	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kWh gross	Portfolio Level (PL) – All Sectors	2025	-	5,539,285	6,918,989	7,338,389	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
4	SDREN	A32	PL1	S1	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kWh net	Portfolio Level (PL) – All Sectors	2025	-	3,884,668	4,990,624	5,390,313	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
5	SDREN	A32	PL1	S1	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual Therm gross	Portfolio Level (PL) – All Sectors	2025	-	274,914	324,691	380,300	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
6	SDREN	A32	PL1	S1	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual Therm net	Portfolio Level (PL) – All Sectors	2025	-	200,768	235,769	274,651	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
7	SDREN	A32	PL1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	PL1-S1: First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kW gross	Portfolio Level (PL) – All Sectors	2025	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	Codes and Standards savings are net with 5% market effects.	
8	SDREN	A32	PL1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kW net	Portfolio Level (PL) – All Sectors	2025	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	Codes and Standards savings are net with 5% market effects.	
9	SDREN	A32	PL1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kWh gross	Portfolio Level (PL) – All Sectors	2025	-	46,090,768	57,418,186	62,183,874	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
10	SDREN	A32	PL1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kWh net	Portfolio Level (PL) – All Sectors	2025	-	35,838,910	47,159,434	50,771,491	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
11	SDREN	A32	PL1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante Therm gross	Portfolio Level (PL) – All Sectors	2025	-	2,883,143	3,426,430	4,000,742	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
12	SDREN	A32	PL1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante Therm net	Portfolio Level (PL) – All Sectors	2025	-	2,082,029	2,444,199	2,847,387	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
13	SDREN	A32	PL2	S3	First year annual kW gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual kW gross in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
14	SDREN	A32	PL2	S3	First year annual kW net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual kW net in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
15	SDREN	A32	PL2	S3	First year annual kWh gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual kWh gross in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
16	SDREN	A32	PL2	S3	First year annual kWh net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual kWh net in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
17	SDREN	A32	PL2	S3	First year annual Therm gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual Therm gross in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
18	SDREN	A32	PL2	S3	First year annual Therm net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual Therm net in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
19	SDREN	A32	PL2	S3	Lifecycle ex-ante kW gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante kW gross in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
20	SDREN	A32	PL2	S3	Lifecycle ex-ante kW net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante kW net in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
21	SDREN	A32	PL2	S3	Lifecycle ex-ante kWh gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante kWh gross in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
22	SDREN	A32	PL2	S3	Lifecycle ex-ante kWh net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante kWh net in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
23	SDREN	A32	PL2	S3	Lifecycle ex-ante Therm gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante Therm gross in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
24	SDREN	A32	PL2	S3	Lifecycle ex-ante Therm net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante Therm net in Disadvantaged Communities	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
25	SDREN	A32	PL3	S4	First year annual kW gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual kW gross in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
26	SDREN	A32	PL3	S4	First year annual kW net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual kW net in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
27	SDREN	A32	PL3	S4	First year annual kWh gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual kWh gross in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
28	SDREN	A32	PL3	S4	First year annual kWh net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual kWh net in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
29	SDREN	A32	PL3	S4	First year annual Therm gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual Therm gross in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
30	SDREN	A32	PL3	S4	First year annual Therm net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual Therm net in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
31	SDREN	A32	PL3	S4	Lifecycle ex-ante kW gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante kW gross in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
32	SDREN	A32	PL3	S4	Lifecycle ex-ante kW net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante kW net in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
33	SDREN	A32	PL3	S4	Lifecycle ex-ante kWh gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante kWh gross in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
34	SDREN	A32	PL3	S4	Lifecycle ex-ante kWh net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante kWh net in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
35	SDREN	A32	PL3	S4	Lifecycle ex-ante Therm gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante Therm gross in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
36	SDREN	A32	PL3	S4	Lifecycle ex-ante Therm net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante Therm net in Hard-to-Reach Markets	Portfolio Level (PL) – All Sectors	2025	-	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
37	SDREN	A32	PL4	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Portfolio Level (PL) – All Sectors	2025	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs do not include codes and standards, per D.18-05-041.	
38	SDREN	A32	PL4	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Portfolio Level (PL) – All Sectors	2025	-	0.47	0.39	0.38	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	Levelized costs do not include codes and standards, per D.18-05-041.	
39	SDREN	A32	PL4	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Portfolio Level (PL) – All Sectors	2025	-	8.11	7.92	7.58	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	Levelized costs do not include codes and standards, per D.18-05-041.	
40	SDREN	A32	PL4	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Portfolio Level (PL) – All Sectors	2025	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs do not include codes and standards, per D.18-05-041.	
41	SDREN	A32	PL4	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Portfolio Level (PL) – All Sectors	2025	-	0.46	0.39	0.37	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	Levelized costs do not include codes and standards, per D.18-05-041.	
42	SDREN	A32	PL4	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Portfolio Level (PL) – All Sectors	2025	-	7.92	7.36	7.36	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	Levelized costs do not include codes and standards, per D.18-05-041.	
43	SDREN	A32	RSF1	S1	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for single family Customers	First year annual kW gross	Residential (RSF)	2025	-	-	-	-	Projected savings from CET.		
44	SDREN	A32	RSF1	S1	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kW net	Residential (RSF)	2025	-	-	-	-	Projected savings from CET.		
45	SDREN	A32	RSF1	S1	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kWh gross	Residential (RSF)	2025	-	(358,240)	(411,787)	(454,022)	Projected savings from CET.		
46	SDREN	A32	RSF1	S1	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kWh net	Residential (RSF)	2025	-	(358,244)	(411,792)	(454,027)	Projected savings from CET.		
47	SDREN	A32	RSF1	S1	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual Therm gross	Residential (RSF)	2025	-	52,252	60,062	66,222	Projected savings from CET.		
48	SDREN	A32	RSF1	S1	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual Therm net	Residential (RSF)	2025	-	(3,714,830)	60,060	66,221	Projected savings from CET.		
49	SDREN	A32	RSF1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kW gross	Residential (RSF)	2025	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.		
50	SDREN	A32	RSF1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kW net	Residential (RSF)	2025	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.		
51	SDREN	A32	RSF1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kWh gross	Residential (RSF)	2025	-	(3,714,830)	(4,269,079)	(4,733,394)	Projected savings from CET.		
52	SDREN	A32	RSF1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kWh net	Residential (RSF)	2025	-	(3,714,896)	4,269,164	(4,733,489)	Projected savings from CET.		
53	SDREN	A32	RSF1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante Therm gross	Residential (RSF)	2025	-	543,906	625,206	689,329	Projected savings from CET.		
54	SDREN	A32	RSF1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante Therm net	Residential (RSF)	2025	-	543,884	625,180	689,301	Projected savings from CET.		
55	SDREN	A33	RSF2	G	MT CO2eq	GHG	Metric	Greenhouse gases (MT CO2eq) Net kWh savings, reported on an annual basis	CO2 equivalent of net annual kWh savings	Residential (RSF)	2025		(118)	(142)	(156)	Projected savings from CET.	Includes CO2 but not NOX and PM10 as these are not GHG equivalents. For details regarding electric CO2 emission reduction values, refer to note in cell AA5	
56	SDREN	A33	RSF8	D1-D	Lifecycle NET kW	D1: Depth of Interventions: Per downstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante kW net savings per participant - Opt-in - Downstream	Residential (RSF)	2025	-	TBD	TBD	TBD	Numerator: Total downstream savings derived Denominator: Total number of downstream participants (unique premise and account IDs)	Per EE: "Energy savings" = lifecycle NET savings.	
57	SDREN	A33	RSF8	D1-D	Lifecycle NET kWh	D1: Depth of Interventions: Per downstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante kWh net savings per participant - Opt-in - Downstream	Residential (RSF)	2025	-	TBD	TBD	TBD	Numerator: Total downstream savings derived Denominator: Total number of downstream participants (unique premise and account IDs)	Per EE: "Energy savings" = lifecycle NET savings.	
58	SDREN	A33	RSF8	D1-D	Lifecycle NET Therms	D1: Depth of Interventions: Per downstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante Therm net savings per participant - Opt-in - Downstream	Residential (RSF)	2025	-	TBD	TBD	TBD	Numerator: Total downstream savings derived Denominator: Total number of downstream participants (unique premise and account IDs)	Per EE: "Energy savings" = lifecycle NET savings.	
59	SDREN	A33	RSF8	D1-M	Lifecycle NET kW	D1: Depth of Interventions: Per midstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante kW net savings per participant - Opt-in - Midstream	Residential (RSF)	2025	N/A	N/A	N/A	N/A		Since it is currently unclear how to define midstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
60	SDREN	A33	RSF8	D1-M	Lifecycle NET kWh	D1: Depth of Interventions: Per midstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante kWh net savings per participant - Opt-in - Midstream	Residential (RSF)	2025	N/A	N/A	N/A	N/A		Since it is currently unclear how to define midstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
61	SDREN	A33	RSF8	D1-M	Lifecycle NET Therms	D1: Depth of Interventions: Per midstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante Therm net savings per participant - Opt-in - Midstream	Residential (RSF)	2025	N/A	N/A	N/A	N/A		Since it is currently unclear how to define midstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
62	SDREN	A33	RSF8	D1-O	Lifecycle NET kW	D1: Depth of Interventions: Per opt-out participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante kW net savings per participant - Opt-out	Residential (RSF)	2025	-	N/A	N/A	N/A		1) Currently, the only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per EE: "Energy savings" = lifecycle NET savings.	
63	SDREN	A33	RSF8	D1-O	Lifecycle NET kWh	D1: Depth of Interventions: Per opt-out participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante kWh net savings per participant - Opt-out	Residential (RSF)	2025	-	N/A	N/A	N/A		1) Currently, the only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per EE: "Energy savings" = lifecycle NET savings.	
64	SDREN	A33	RSF8	D1-O	Lifecycle NET Therms	D1: Depth of Interventions: Per opt-out participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante Therm net savings per participant - Opt-out	Residential (RSF)	2025	-	N/A	N/A	N/A		1) Currently, the only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per EE: "Energy savings" = lifecycle NET savings.	
65	SDREN	A33	RSF8	D1-U	Lifecycle NET kW	D1: Depth of Interventions: Per upstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante kW net savings per participant - Opt-in - Upstream	Residential (RSF)	2025	N/A	N/A	N/A	N/A		Since it is unclear how to define upstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
66	SDREN	A33	RSF8	D1-U	Lifecycle NET kWh	D1: Depth of Interventions: Per upstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante kWh net savings per participant - Opt-in - Upstream	Residential (RSF)	2025	N/A	N/A	N/A	N/A		Since it is unclear how to define upstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
67	SDREN	A33	RSF8	D1-U	Lifecycle NET Therms	D1: Depth of Interventions: Per upstream participant	Metric	Average savings per participant in both opt-in and opt-out programs. Display depth by downstream, midstream, and upstream	Average lifecycle ex-ante Therm net savings per participant - Opt-in - Upstream	Residential (RSF)	2025	N/A	N/A	N/A	N/A		Since it is unclear how to define upstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
68	SDREN	A33	RSF4	P1	Percent	P1: Penetration of energy efficiency programs to the eligible market: Percent of	Metric	Percent of participation relative to eligible population	Percent of participation relative to eligible population	Residential (RSF)	2025	-	TBD	TBD	TBD	Numerator: Number of downstream SF participants (unique account and premise IDs) Denominator: Total number of unique SF account and premise IDs	"Participation" is defined as the first instance of participation.	
69	SDREN	A33	RSF4	P3	Percent	P3: Penetration of energy efficiency programs to the eligible market - DAC	Metric	Percent of participation in disadvantaged communities	Percent of participation in disadvantaged communities	Residential (RSF)	2025	-	TBD	TBD	TBD	Numerator: Number of SF DAC participants (unique account and premise IDs) Denominator: Total number of SF customers in DACs (unique account and premise IDs)	DAC customers defined in accordance with D.18-05-041.	
70	SDREN	A33	RSF4	P4	Percent	P4: Penetration of energy efficiency programs to the HTR market	Metric	Percent of participation by customers defined as "hard-to-reach"	Percent of participation by customers defined as "hard-to-reach"	Residential (RSF)	2025	-	TBD	TBD	TBD	Numerator: Number of SF HTR participants (unique account and premise IDs) Denominator: Total number of SF HTR customers (unique account and premise IDs)	HTR customers defined in accordance with D.18-05-041.	
71	SDREN	A33	RSF5	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Residential (RSF)	2025	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
72	SDREN	A33	RSF5	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Residential (RSF)	2025	-	- .00	- .00	- .00	PAC cost per kWh or per therm or per kW is (PAC Costs Electric Benefits/Total Benefits)/Lifecycle Net kWh	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
73	SDREN	A33	RSF5	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Residential (RSF)	2025	-	10.56	10.15	10.12	PAC cost per kWh or per therm or per kW is (PAC Costs Gas Benefits/Total Benefits)/Lifecycle Net Therms	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
74	SDREN	A33	RSF5	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Residential (RSF)	2025	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
75	SDREN	A33	RSF5	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Residential (RSF)	2025	-	- .00	- .00	- .00	TRC cost per kWh or per therm or per kW is (TRC Costs Electric Benefits/Total Benefits)/Lifecycle Net kWh	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
76	SDREN	A33	RSF5	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Residential (RSF)	2025	-	8.76	8.23	8.07	TRC cost per kWh or per therm or per kW is (TRC Costs Gas Benefits/Total Benefits)/Lifecycle Net Therms	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
77	SDREN	A33	RSP6	EI1	Btu	Energy intensity per SF household	Indicator	Energy intensity of single family homes (average usage per household, not adjusted)	Average electric and gas usage per household	Residential (RSF)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total Btu of energy use Denominator: Number of unique account and premise IDs in SF segment	Household refers to a unique account and premise ID in SF segment	
78	SDREN	A33	RMF1	S1-IU	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kW gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
79	SDREN	A33	RMF1	S1-IU	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kW net - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
80	SDREN	A33	RMF1	S1-IU	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kWh gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
81	SDREN	A33	RMF1	S1-IU	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kWh net - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
82	SDREN	A33	RMF1	S1-IU	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual Therm gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
83	SDREN	A33	RMF1	S1-IU	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual Therm net - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
84	SDREN	A33	RMF1	S1-IU	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kW gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
85	SDREN	A33	RMF1	S1-IU	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kW net - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
86	SDREN	A33	RMF1	S1-IU	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kWh gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
87	SDREN	A33	RMF1	S1-IU	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kWh net - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
88	SDREN	A33	RMF1	S1-IU	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante Therm gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
89	SDREN	A33	RMF1	S1-IU	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante Therm net - In Unit	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
90	SDREN	A33	RMF1	S1-MM	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kW gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
91	SDREN	A33	RMF1	S1-MM	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kW net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
92	SDREN	A33	RMF1	S1-MM	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kWh gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
93	SDREN	A33	RMF1	S1-MM	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kWh net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
94	SDREN	A33	RMF1	S1-MM	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual Therm gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
95	SDREN	A33	RMF1	S1-MM	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual Therm net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
96	SDREN	A33	RMF1	S1-MM	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kW gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
97	SDREN	A33	RMF1	S1-MM	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kW net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
98	SDREN	A33	RMF1	S1-MM	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kWh gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
99	SDREN	A33	RMF1	S1-MM	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kWh net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
100	SDREN	A33	RMF1	S1-MM	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante Therm gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
101	SDREN	A33	RMF1	S1-MM	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante Therm net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		
102	SDREN	A33	RMF1	S1-CA	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kW gross - Common Area	Residential Sector – Multi-family (RMF)	2025	-	TBD	TBD	TBD	Baseline to be established in 2026.		

103	SDREN	A03	RMP1	SI-CA	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kW net - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
104	SDREN	A03	RMP1	SI-CA	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kWh gross - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
105	SDREN	A03	RMP1	SI-CA	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual kWh net - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
106	SDREN	A03	RMP1	SI-CA	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual Therm gross - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
107	SDREN	A03	RMP1	SI-CA	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	First year annual Therm net - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
108	SDREN	A03	RMP1	SI-CA	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kW gross - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
109	SDREN	A03	RMP1	SI-CA	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kW net - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
110	SDREN	A03	RMP1	SI-CA	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kWh gross - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
111	SDREN	A03	RMP1	SI-CA	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante kWh net - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
112	SDREN	A03	RMP1	SI-CA	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante Therm gross - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
113	SDREN	A03	RMP1	SI-CA	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily	Lifecycle ex-ante Therm net - Common Area	Residential Sector – Multi family(MF)	2026	-	TBD	TBD	TBD	Baseline to be established in 2026.		
114	SDREN	A03	RMP2	G	MT CO2eq	GHG	Metric	Greenhouse gases (MT CO2eq) Net kWh savings, reported on an annual basis	CO2 equivalent of net annual kWh savings	Residential Sector – Multi family(MF)	2026		(38)	(40)	(40)	Projected savings from CET.	Includes CO2 but not N2O and PM10 as these are not GHG equivalents. For details regarding electric CO2 emissions reduction values, refer to note in cell AA6.	
115	SDREN	A04	RMP3	D3a	Lifecycle NET kW	D3: Depth of Interventions per building	Metric	Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante kW net per project (building)	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects. Denominator: Number of buildings that have been retrofitted		
116	SDREN	A04	RMP3	D3a	Lifecycle NET kWh	D3: Depth of Interventions per building	Metric	Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante kWh net per project (building)	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects. Denominator: Number of buildings that have been retrofitted		
117	SDREN	A04	RMP3	D3a	Lifecycle NET Therms	D3: Depth of Interventions per building	Metric	Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante Therm net per project (building)	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects. Denominator: Number of buildings that have been retrofitted		
118	SDREN	A04	RMP3	D4	Lifecycle NET kW	D4: Depth of Interventions per property	Metric	Average savings per participant: Savings per project (property)	Lifecycle ex-ante kW net per project (property)	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects. Denominator: Number of participating properties		
119	SDREN	A04	RMP3	D4	Lifecycle NET kWh	D4: Depth of Interventions per property	Metric	Average savings per participant: Savings per project (property)	Lifecycle ex-ante kWh net per project (property)	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects. Denominator: Number of participating properties		
120	SDREN	A04	RMP3	D4	Lifecycle NET Therms	D4: Depth of Interventions per property	Metric	Average savings per participant: Savings per project (property)	Lifecycle ex-ante Therm net per project (property)	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects. Denominator: Number of participating properties		
121	SDREN	A04	RMP3	D5	Lifecycle NET kW	D5: Depth of Interventions: Per square foot	Metric	Energy savings (kWh, kw, therms) per square foot	Lifecycle ex-ante kW net per square foot	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total MF savings. Denominator: Total number of unique MF premise and account IDs of participants	Per D5: "Energy savings" = lifecycle net savings.	
122	SDREN	A04	RMP3	D5	Lifecycle NET kWh	D5: Depth of Interventions: Per square foot	Metric	Energy savings (kWh, kw, therms) per square foot	Lifecycle ex-ante kWh net per square foot	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total MF savings. Denominator: Total number of unique MF premise and account IDs of participants	Per D5: "Energy savings" = lifecycle net savings.	
123	SDREN	A04	RMP3	D5	Lifecycle NET Therms	D5: Depth of Interventions: Per square foot	Metric	Energy savings (kWh, kw, therms) per square foot	Lifecycle ex-ante Therm net per square foot	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Total MF savings. Denominator: Total number of unique MF premise and account IDs of participants	Per D5: "Energy savings" = lifecycle net savings.	
124	SDREN	A04	RMP4	P1-P	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of participation	Metric	Percent of participation relative to eligible population (by unit and property)	Percent of participation relative to eligible population by property	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Number of downstream MF projects. Denominator: Total number of unique premise IDs in the MF segment		
125	SDREN	A04	RMP4	P1-U	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of participation	Metric	Percent of participation relative to eligible population (by unit and property)	Percent of participation relative to eligible population by unit	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Number of participating MF units (unique premise and account IDs)	Participation is defined as the first instance of participation.	
126	SDREN	A04	RMP4	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	Percent of square feet of eligible population participating (by property)	Percent of square feet of eligible population participating (by property)	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Square footage of participating MF customers (unique account and premise ID)		
127	SDREN	A04	RMP4	P3: DAC	Percent	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric	Percent of participation in disadvantaged communities	Percent of participation in disadvantaged communities	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Number of participants in disadvantaged communities (unique account and premise IDs)	DAC customers defined in accordance with D.18-05-041.	
128	SDREN	A04	RMP4	P4	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	Percent of participation by customers defined as "hard-to-reach"	Percent of participation by customers defined as "hard-to-reach"	Residential Sector – Multi family(MF)	2026		TBD	TBD	TBD	Numerator: Number of HTR MF participants (unique account and premise IDs). Denominator: Total number of MF HTR customers (unique account and premise IDs)	HTR customers defined in accordance with D.18-05-041.	
129	SDREN	A04	RMP5	B1	Percent	MF Benchmarking Penetration	Metric	Percent of benchmarked multi-family properties relative to the eligible population	Percent of benchmarked multi-family properties relative to the eligible population	Residential Sector – Multi family(MF)	2026	N/A	N/A	N/A	N/A	Denominator: Total number of unique account and premise IDs in SDREN's service area	This metric captures properties benchmarked within the calendar year	
130	SDREN	A04	RMP5	B6	Percent	Benchmarking of HTR Properties	Metric	Percent of benchmarking by properties defined as "hard-to-reach"	Percent of benchmarking by properties defined as "hard-to-reach"	Residential Sector – Multi family(MF)	2026	N/A	N/A	N/A	N/A	Numerator: Total number of HTR multifamily properties benchmarked via Portfolio Manager	This metric captures properties benchmarked within the calendar year	
131	SDREN	A04	RMP6	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Residential Sector – Multi family(MF)	2026	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
132	SDREN	A04	RMP6	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Residential Sector – Multi family(MF)	2026	-	(0.01)	(0.01)	(0.01)	PAC cost per kWh or per therm or per kW is (PAC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (PAC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
133	SDREN	A04	RMP6	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Residential Sector – Multi family(MF)	2026	-	12.33	12.33	12.99	PAC cost per kWh or per therm or per kW is (PAC Cost - Electric Benefits)/Total	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
134	SDREN	A04	RMP6	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Residential Sector – Multi family(MF)	2026	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
135	SDREN	A04	RMP6	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Residential Sector – Multi family(MF)	2026	-	(0.01)	(0.01)	(0.01)	TRC cost per kWh or per therm or per kW is (TRC Cost - Electric Benefits)/Total	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
136	SDREN	A04	RMP6	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Residential Sector – Multi family(MF)	2026	-	9.99	10.04	9.84	TRC cost per kWh or per therm or per kW is (TRC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (TRC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
137	SDREN	A04	RMP7	EI2	Btu	Energy intensity per MF unit	Indicator	Average energy use intensity of multifamily units, including [illegible]	Average electric and gas usage per unit	Residential Sector – Multi family(MF)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total MF energy use in SDREN territory. Denominator: Total units in MF segment in SDREN territory		
138	SDREN	A04	RMP7	EI3	Btu	Energy intensity per MF unit square foot	Indicator	Average energy use intensity of multifamily buildings (average usage per square foot – not adjusted)	Average electric and gas usage per square foot	Residential Sector – Multi family(MF)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total MF energy use in SDREN territory. Denominator: Total square footage in MF segment in SDREN territory		
139	SDREN	A05	C1	S1	kW	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kW gross	Commercial Sector (C)	2026	-	197	210	197	Projected savings from CET.	None	
140	SDREN	A05	C1	S1	kW	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kW net	Commercial Sector (C)	2026	-	117	125	130	Projected savings from CET.	None	
141	SDREN	A05	C1	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kWh gross	Commercial Sector (C)	2026	-	5,224,292	6,505,474	6,994,559	Projected savings from CET.	None	
142	SDREN	A05	C1	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kWh net	Commercial Sector (C)	2026	-	4,239,862	5,410,149	5,848,247	Projected savings from CET.	None	
143	SDREN	A05	C1	S1	Therm	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual Therm gross	Commercial Sector (C)	2026	-	(217)	(234)	(252)	Projected savings from CET.	None	
144	SDREN	A05	C1	S1	Therm	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual Therm net	Commercial Sector (C)	2026	-	(157)	(168)	(198)	Projected savings from CET.	None	
145	SDREN	A05	C1	S1	kW	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex ante kW gross	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
146	SDREN	A05	C1	S1	kW	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex ante kW net	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
147	SDREN	A05	C1	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex ante kWh gross	Commercial Sector (C)	2026	-	47,812,583	61,568,898	66,825,235	Projected savings from CET.	None	
148	SDREN	A05	C1	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex ante kWh net	Commercial Sector (C)	2026	-	42,197,123	59,253,139	59,707,842	Projected savings from CET.	None	
149	SDREN	A05	C1	S1	Therm	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex ante Therm gross	Commercial Sector (C)	2026	-	(3,028)	(3,287)	(3,471)	Projected savings from CET.	None	
150	SDREN	A05	C1	S1	Therm	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex ante Therm net	Commercial Sector (C)	2026	-	(1,824)	(1,986)	(2,107)	Projected savings from CET.	None	
151	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kW gross	Commercial Sector (C)	2026	-	0.01	0.02	0.02	Used kWh as proxy for kW.	None	
152	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kW net	Commercial Sector (C)	2026	-	0.01	0.01	0.01	Used kWh as proxy for kW.	None	
153	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kWh gross	Commercial Sector (C)	2026	-	0.01	0.02	0.02	Numerator = Metric C1. Denominator = Total commercial usage	None	
154	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kWh net	Commercial Sector (C)	2026	-	0.01	0.01	0.01	Numerator = Metric C1. Denominator = Total commercial usage	None	
155	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual Therm gross	Commercial Sector (C)	2026	-	-	-	-	Numerator = Metric C1. Denominator = Total commercial usage	None	
156	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual Therm net	Commercial Sector (C)	2026	-	-	-	-	Numerator = Metric C1. Denominator = Total commercial usage	None	
157	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex ante kW gross	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A	Numerator = Metric C1. Denominator = Total commercial usage	None	
158	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex ante kW net	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A	Numerator = Metric C1. Denominator = Total commercial usage	None	
159	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex ante kWh gross	Commercial Sector (C)	2026	-	0.12	0.15	0.16	Numerator = Metric C1. Denominator = Total commercial usage	None	
160	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex ante kWh net	Commercial Sector (C)	2026	-	0.10	0.13	0.15	Numerator = Metric C1. Denominator = Total commercial usage	None	
161	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex ante Therm gross	Commercial Sector (C)	2026	-	-	-	-	Numerator = Metric C1. Denominator = Total commercial usage	None	
162	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex ante Therm net	Commercial Sector (C)	2026	-	-	-	-	Numerator = Metric C1. Denominator = Total commercial usage	None	
163	SDREN	A05	C2	G	MT CO2eq	GHG	Metric	Greenhouse gases (MT CO2eq) Net kWh savings, reported on an annual basis	CO2 equivalent of net annual kWh savings	Commercial Sector (C)	2026	-	1,428	1,672	1,818	Projected savings from CET.	Includes CO2 (in metric tons) but not N2O and PM10 as these are not GHG equivalents. For details regarding electric CO2 emissions reduction values, refer to note in cell AA6.	
164	SDREN	A05	C3	D2	Percent	D2: Depth of Interventions by project	Metric	Energy savings (gross kW, kWh, therms) as a fraction of total project consumption	Percent lifecycle gross kW	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
165	SDREN	A05	C3	D2	Percent	D2: Depth of Interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption	Percent lifecycle gross kWh	Commercial Sector (C)	2026	-	TBD	TBD	TBD	Numerator: Energy savings claimed for commercial projects, consistent with CEDARS PROGRAM specifications	"Project" is defined as "per application"	
166	SDREN	A05	C3	D2	Percent	D2: Depth of Interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption	Percent lifecycle gross Therms	Commercial Sector (C)	2026	-	TBD	TBD	TBD	Numerator: Energy savings claimed for commercial projects, consistent with CEDARS PROGRAM specifications	"Project" is defined as "per application"	
167	SDREN	A05	C4	P1L	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of participation	Metric	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for large customers	Commercial Sector (C)	2026	-	TBD	TBD	TBD	Numerator: Number of participating large customers (defined by unique combination of account and premise ID). Denominator: Total number of large customers in the sector (defined by unique combination of account and premise ID)	Participation is defined as the first instance of participation. Large customers are defined as those using greater than or equal to 500,000 kWh or 250,000 therms annually.	
168	SDREN	A05	C4	P1M	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of participation	Metric	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for medium customers	Commercial Sector (C)	2026	-	TBD	TBD	TBD	Numerator: Number of participating medium customers (defined by unique combination of account and premise ID)	Participation is defined as the first instance of participation. Medium customers are defined as those who use between 40,000-500,000 kWh or 10,000-250,000 therms annually.	
169	SDREN	A05	C4	P1S	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of participation	Metric	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for small customers	Commercial Sector (C)	2026	-	TBD	TBD	TBD	Numerator: Number of participating small customers (defined by unique combination of account and premise ID). Denominator: Total number of small customers in the sector (defined by unique combination of account and premise ID)	Participation is defined as the first instance of participation. Small customers are defined as those who use less than 40,000 kWh or 10,000 therms annually.	
170	SDREN	A05	C4	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	Percent of square feet of eligible population	Percent of square feet of eligible population	Commercial Sector (C)	2026	-	TBD	TBD	TBD	Numerator: Square footage of participating commercial customers. Denominator: Square footage of the commercial sector. Baseline to be established in 2026.		
171	SDREN	A05	C4	P4	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	Percent of participation by customers defined as "hard-to-reach"	Percent of participation by customers defined as "hard-to-reach"	Commercial Sector (C)	2026	-	TBD	TBD	TBD	Numerator: Number of HTR participants (unique account and premise ID). Denominator: Total number of HTR commercial customers (unique account and premise ID)	HTR customers defined in accordance with D.18-05-041.	
172	SDREN	A05	C5	B2	Percent	Square Footage of Commercial Benchmarking Penetration	Metric	Percent of benchmarked square feet of eligible population	Percent of benchmarked square feet of eligible population	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A		This metric includes buildings benchmarked within the calendar year	
173	SDREN	A05	C5	BSL	Percent	Benchmarking Penetration for Commercial Sector	Metric	Percent of benchmarked customers relative to eligible population for large customers	Percent of benchmarked customers relative to eligible population for large customers	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A			
174	SDREN	A05	C5	BSM	Percent	Benchmarking Penetration for Commercial Sector	Metric	Percent of benchmarked customers relative to eligible population for medium customers	Percent of benchmarked customers relative to eligible population for medium customers	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A			
175	SDREN	A05	C5	BSS	Percent	Benchmarking Penetration for Commercial Sector	Metric	Percent of benchmarked customers relative to eligible population for small customers	Percent of benchmarked customers relative to eligible population for small customers	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A			
176	SDREN	A05	C5	B6	Percent	Benchmarking of HTR Properties	Metric	Percent of benchmarking by customers defined as "hard-to-reach"	Percent of benchmarking by customers defined as "hard-to-reach"	Commercial Sector (C)	2026	N/A	N/A	N/A	N/A		HTR customers defined based on D.18-05-041. This metric [illegible]	
177	SDREN	A05	C6	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Commercial Sector (C)	2026	-	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
178	SDREN	A05	C6	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Commercial Sector (C)	2026	-	0.16	0.16	0.16	PAC cost per kWh or per therm or per kW is (PAC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (PAC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
179	SDREN	A05	C6	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Commercial Sector (C)	2026	-	4.60	4.18	4.53	PAC cost per kWh or per therm or per kW is (PAC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (PAC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
180	SDREN	A05	C6	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Commercial Sector (C)	2026	-	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
181	SDREN	A05	C6	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Commercial Sector (C)	2026	-	0.21	0.18	0.18	TRC cost per kWh or per therm or per kW is (TRC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (TRC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
182	SDREN	A05	C6	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Commercial Sector (C)	2026	-	5.03	4.87	5.09	TRC cost per kWh or per therm or per kW is (TRC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (TRC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
183	SDREN	A06	CT	N1	Percent	NMEC	Indicator	Percent of total projects utilizing Normalized Metered Energy Consumption (NMEC) in applicable sectors	Percent of total projects utilizing Normalized Metered Energy Consumption (NMEC) in applicable sectors	Commercial Sector (C)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: "Fraction of total custom projects utilizing NMEC [illegible]"		
184	SDREN	A06	CT	N2	Percent	NMEC	Indicator	Fraction of total savings (gross kWh and therms) derived from NMEC analysis	Fraction of total savings (gross kWh and therms) derived from NMEC analysis	Commercial Sector (C)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: "Fraction of total custom savings derived from NMEC analysis" [illegible]		
185	SDREN	A06	CX	CS	Percent	Satisfaction	Indicator	Improvement in customer satisfaction	Percent improvement in customer satisfaction	Commercial Sector (C)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: SDREN will develop and field a consistent survey instrument annually.		
186	SDREN	A06	CX	TS	Percent	Satisfaction	Indicator	Improvement in trade ally satisfaction	Percent improvement in trade ally satisfaction	Commercial Sector (C)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: SDREN will develop and field a consistent survey instrument annually.	Numerator = Current Year Percentage - Baseline Year Percentage. Denominator = Baseline Year Percentage.	
187	SDREN	A06	CX	F1	Percent	Investment in EE	Indicator	Fraction of total investments made by ratepayers and private capital	Fraction of total investments made by ratepayers and private capital	Commercial Sector (C)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: [illegible] Numerator: Total incentive amounts		
188	SDREN	A06	P1	S1	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	First year annual kW gross	Public Sector (P)	2026	-	176	210	252	Projected savings from CET.	None	
189	SDREN	A06	P1	S1	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	First year annual kW net	Public Sector (P)	2026	-	88	103	124	Projected savings from CET.	None	
190	SDREN	A06	P1	S1	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	First year annual kWh gross	Public Sector (P)	2026	-	791,155	948,140	1,135,242	Projected savings from CET.	None	
191	SDREN	A06	P1	S1	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	First year annual kWh net	Public Sector (P)	2026	-	101,716	120,809	142,670	Projected savings from CET.	None	
192	SDREN	A06	P1	S1	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	First year annual Therm gross	Public Sector (P)	2026	-	199,021	238,961	287,019	Projected savings from CET.	None	
193	SDREN	A06	P1	S1	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	First year annual Therm net	Public Sector (P)	2026	-	125,319	150,518	180,889	Projected savings from CET.	None	
194	SDREN	A06	P1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	Lifecycle ex ante kW gross	Public Sector (P)	2026	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
195	SDREN	A06	P1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	Lifecycle ex ante kW net	Public Sector (P)	2026	N/A	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
196	SDREN	A06	P1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	Lifecycle ex ante kWh gross	Public Sector (P)	2026	-	1,188,017	1,425,177	1,687,546	Projected savings from CET.	None	
197	SDREN	A06	P1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	Lifecycle ex ante kWh net	Public Sector (P)	2026	-	(1,817,423)	(2,018,387)	(2,799,684)	Projected savings from CET.	None	
198	SDREN	A06	P1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	Lifecycle ex ante Therm gross	Public Sector (P)	2026	-	2,087,001	2,517,756	3,023,978	Projected savings from CET.	None	
199	SDREN	A06	P1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public	Lifecycle ex ante Therm net	Public Sector (P)	2026	-	1,287,850	1,558,772	1,875,210	Projected savings from CET.	None	
200	SDREN	A06	P2	G	MT CO2eq	GHG	Metric	Greenhouse gases (MT CO2eq) Net kWh savings and Therms savings, reported on an annual basis	CO2 equivalent of net annual kWh savings	Public Sector (P)	2026		28	38	44	Projected savings from CET.	Includes CO2 but not N2O and PM10 as these are not GHGs. For details regarding electric CO2 emissions reduction values, refer to note in cell AA6.	
201	SDREN	A06	PX	D3b	Percent annual NET kW	D3: Depth of Interventions per building	Indicator	Average percent energy savings (kWh, kw, therms) per project (building or facility)	Percent annual net kW per project building or facility	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total savings claimed for retrofit projects. Denominator: Number of participating properties		
202	SDREN	A06	PX	D3b	Percent annual NET kWh	D3: Depth of Interventions per building	Indicator	Average percent energy savings (kWh, kw, therms) per project (building or facility)	Percent annual net kWh per project building or facility	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total savings claimed for retrofit projects. Denominator: Number of participating properties		
203	SDREN	A06	PX	D3b	Percent annual NET Therms	D3: Depth of Interventions per building	Indicator	Average percent energy savings (kWh, kw, therms) per project (building or facility)	Percent annual net Therms per project building or facility	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total savings claimed for retrofit projects. Denominator: Number of participating properties		
204	SDREN	A06	PX	D5	Annual NET kW	D5: Depth of Interventions: Per square foot	Indicator	Average annual energy savings (kWh, kw, therms) per project building floor plan area	Average annual net kW savings per project building floor plan area	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total downstream savings. Denominator: Total number of service accounts participating [illegible]		
205	SDREN	A06	PX	D5	Annual NET kWh	D5: Depth of Interventions: Per square foot	Indicator	Average annual energy savings (kWh, kw, therms) per project building floor plan area	Average annual net kWh savings per project building floor plan area	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total downstream savings. Denominator: Total number of service accounts participating [illegible]		
206	SDREN	A06	PX	D5	Annual NET Therms	D5: Depth of Interventions: Per square foot	Indicator	Average annual energy savings (kWh, kw, therms) per project building floor plan area	Average annual net Therm savings per project building floor plan area	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total downstream savings. Denominator: Total number of service accounts participating [illegible]		
207	SDREN	A06	PX	W1	Annual NET kW	Water	Indicator	Average annual energy savings (kWh, kw, therms) per annual flow through project water/wastewater facilities	Average annual net kW savings per annual flow through project water/wastewater facilities	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers. Denominator: baseline energy usage as reported on project applications		
208	SDREN	A06	PX	W1	Annual NET kWh	Water	Indicator	Average annual energy savings (kWh, kw, therms) per annual flow through project water/wastewater facilities	Average annual net kWh savings per annual flow through project water/wastewater facilities	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers. Denominator: baseline energy usage as reported on project applications		
209	SDREN	A06	PX	W1	Annual NET Therms	Water	Indicator	Average annual energy savings (kWh, kw, therms) per annual flow through project water/wastewater facilities	Average annual net Therm savings per annual flow through project water/wastewater facilities	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers. Denominator: baseline energy usage as reported on project applications		
210	SDREN	A07	P4	P1	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of Public Sector accounts participating in programs	Percent of Public Sector accounts participating in programs	Public Sector (P)	2026	-	TBD	TBD	TBD	Numerator: Number of public sector unique account and premise IDs participating in an EE program. Denominator: total number of unique account and premise IDs in the public sector	Participation is defined as the first instance of participation. Public sector customers are defined by NAICS codes.	
211	SDREN	A07	P4	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Indicator	Percent of estimated floor plan area (i.e., sq) of all Public Sector buildings participating in building projects	Percent of estimated floor plan area (i.e., sq) of all Public Sector buildings participating in building projects	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Square footage of participating unique account and premise IDs. Denominator: Square footage of all unique public sector premise and account IDs		
212	SDREN	A07	P4	W2	Percent	Water	Indicator	Percent of Public Sector water/wastewater flow (i.e., annual average Million Gallons per Day) enrolled in [illegible]	Percent of Public Sector water/wastewater flow enrolled in non-building water/wastewater programs	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	As reported by water/wastewater treatment facilities/ pumping stations that respond to survey		
213	SDREN	A07	P5	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Public Sector (P)	2026	N/A	N/A	N/A	N/A	PAC cost per kWh or per therm or per kW is (PAC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (PAC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
214	SDREN	A07	P5	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Public Sector (P)	2026	-	(1)	(0)	(0)	PAC cost per kWh or per therm or per kW is (PAC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (PAC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
215	SDREN	A07	P5	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Public Sector (P)	2026	-	-	34	3	PAC cost per kWh or per therm or per kW is (PAC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (PAC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
216	SDREN	A07	P5	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Public Sector (P)	2026	N/A	N/A	N/A	N/A	TRC cost per kWh or per therm or per kW is (TRC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (TRC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
217	SDREN	A07	P5	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Public Sector (P)	2026	-	(1)	(0)	(0)	TRC cost per kWh or per therm or per kW is (TRC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (TRC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
218	SDREN	A07	P5	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Public Sector (P)	2026	-	4	4	3	TRC cost per kWh or per therm or per kW is (TRC Cost - Electric Benefits)/Total benefitted Lifecycle Net kWh or (TRC Cost - Gas Benefits)/Total benefitted Lifecycle Net	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
219	SDREN	A07	PW	F2	$	Investment in EE	Indicator	Total program-backed financing distributed to Public Sector customers requiring repayment (i.e., loans, OBF)	Total program-backed financing distributed to Public Sector customers requiring repayment	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Total amount loaned through FA programs	"Total program backed financing, requiring repayment" = total loan amount	

220	SDREN	A07	P7	B3	Percent	Public Sector Benchmarking Penetration Calendar Year	Metric	Percent of Public Sector buildings with current benchmark	Percent of Public Sector buildings with current benchmark	Public Sector (P)	2025	TBD	TBD	TBD	TBD	Numerator: Number of public sector buildings benchmarked on Portfolio Manager. Denominator: total number of public sector unique account and premise IDs.	This metric includes buildings benchmarked within the calendar year	
221	SDREN	A07	P7	B4	Btu	Energy Intensity per public sector building	Metric	Average energy use intensity of all Public Sector buildings	Average energy use intensity of all Public Sector buildings	Public Sector (P)	2025	N/A	N/A	N/A	N/A	Numerator: Total sector level energy use. Denominator: Number of unique public sector account and premise IDs.		
222	SDREN	A07	P7I	B4	Percent	Public Sector Square Foot Benchmarking Penetration in Calendar Year	Indicator	Percent of floorspace area of all Public Sector buildings with current benchmark	Percent of floorspace area of all Public Sector buildings with current benchmark	Public Sector (P)	2025	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total square footage of public buildings benchmarked in the calendar year, in Portfolio Manager	This metric includes buildings benchmarked within the calendar year	
223	SDREN	A08	In1	S1	kW	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	First year annual kW gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
224	SDREN	A08	In1	S1	kW	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	First year annual kW net	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
225	SDREN	A08	In1	S1	kWh	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	First year annual kWh gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
226	SDREN	A08	In1	S1	kWh	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	First year annual kWh net	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
227	SDREN	A08	In1	S1	Therm	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	First year annual Therm gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
228	SDREN	A08	In1	S1	Therm	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	First year annual Therm net	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
229	SDREN	A08	In1	S1	kW	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	Lifecycle ex-ante kW gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
230	SDREN	A08	In1	S1	kW	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	Lifecycle ex-ante kW net	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
231	SDREN	A08	In1	S1	kWh	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	Lifecycle ex-ante kWh gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
232	SDREN	A08	In1	S1	kWh	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	Lifecycle ex-ante kWh net	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
233	SDREN	A08	In1	S1	Therm	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	Lifecycle ex-ante Therm gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
234	SDREN	A08	In1	S1	Therm	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in Industrial	Lifecycle ex-ante Therm net	Industrial (I)	2025	N/A	N/A	N/A	N/A		None	
235	SDREN	A08	In2	G	MT CO2eq	GHG	Metric	Greenhouse gases (MT CO2eq) Net kWh savings, reported on an annual basis	CO2 equivalent of net annual kWh savings	Industrial (I)	2025	N/A	N/A	N/A	N/A		Includes CO2 but not NOX and PM10 as these are not GHG equivalents. For details regarding electric CO2 emissions reduction values, refer to note in cell [illegible]	
236	SDREN	A08	In3	P1L	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric	Percent of participation relative to eligible population for small, medium and large customers.	Percent of participation relative to eligible population for large customers	Industrial (I)	2025	N/A	N/A	N/A	N/A		Participation is defined as the first instance of participation. Large customers are defined as those using greater than or equal to 500,000 kWh or 150,000 therms annually.	
237	SDREN	A08	In3	P1M	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric	Percent of participation relative to eligible population for small, medium and large customers.	Percent of participation relative to eligible population for medium customers	Industrial (I)	2025	N/A	N/A	N/A	N/A		Participation is defined as the first instance of participation. Medium customers are defined as those who use between 40,000-500,000kWh or 10,000-150,000 therms annually.	
238	SDREN	A08	In3	P1S	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric	Percent of participation relative to eligible population for small, medium and large customers.	Percent of participation relative to eligible population for small customers	Industrial (I)	2025	N/A	N/A	N/A	N/A		Participation is defined as the first instance of participation. Small customers are defined as those who use less than 40,000 kWh or 10,000 therms annually.	
239	SDREN	A08	In4	P5L	Percent	New participation	Indicator	Percent of customers participating that have not received an incentive for the past three years, annually, by small,	Percent of large customers participating in reporting year that have not received an incentive for the past three years	Industrial (I)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator		Large customers are defined as those using greater than or equal to 500,000 kWh or 150,000 therms annually.	
240	SDREN	A08	In4	P5M	Percent	New participation	Indicator	Percent of customers participating that have not received an incentive for the past three years, annually, by small,	Percent of medium customers participating in reporting year that have not received an incentive for the past three years	Industrial (I)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator		Medium customers are defined as those who use between 40,000-500,000kWh or 10,000-150,000 therms annually.	
241	SDREN	A08	In4	P5S	Percent	New participation	Indicator	Percent of customers participating that have not received an incentive for the past three years, annually, by small,	Percent of small customers participating in reporting year that have not received an incentive for the past three years	Industrial (I)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator		Small customers are defined as those who use less than 40,000 kWh or 10,000 therms annually.	
242	SDREN	A08	In5	LC	$/kW	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	PAC Levelized Cost ($/kW)	Industrial (I)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
243	SDREN	A08	In5	LC	$/kWh	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	PAC Levelized Cost ($/kWh)	Industrial (I)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
244	SDREN	A08	In5	LC	$/therm	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	PAC Levelized Cost ($/therm)	Industrial (I)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
245	SDREN	A08	In5	LC	$/kW	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	TRC Levelized Cost ($/kW)	Industrial (I)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
246	SDREN	A08	In5	LC	$/kWh	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	TRC Levelized Cost ($/kWh)	Industrial (I)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
247	SDREN	A08	In5	LC	$/therm	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	TRC Levelized Cost ($/therm)	Industrial (I)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
248	SDREN	A08	In6	S2	Percent first year annual kW gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kW gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
249	SDREN	A08	In6	S2	Percent first year annual kW net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kW net	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
250	SDREN	A08	In6	S2	Percent first year annual kWh gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kWh gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
251	SDREN	A08	In6	S2	Percent first year annual kWh net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kWh net	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
252	SDREN	A08	In6	S2	Percent first year annual Therm gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual Therm gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
253	SDREN	A08	In6	S2	Percent first year annual Therm net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual Therm net	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
254	SDREN	A08	In6	S2	Percent lifecycle ex-ante kW gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kW gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
255	SDREN	A08	In6	S2	Percent lifecycle ex-ante kW net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kW net	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
256	SDREN	A08	In6	S2	Percent lifecycle ex-ante kWh gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kWh gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
257	SDREN	A08	In6	S2	Percent lifecycle ex-ante kWh net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kWh net	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
258	SDREN	A08	In6	S2	Percent lifecycle ex-ante Therm gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante Therm gross	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
259	SDREN	A08	In6	S2	Percent lifecycle ex-ante Therm net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante Therm net	Industrial (I)	2025	N/A	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
260	SDREN	A09	A1	S1	kW	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	First year annual kW gross	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
261	SDREN	A09	A1	S1	kW	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	First year annual kW net	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
262	SDREN	A09	A1	S1	kWh	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	First year annual kWh gross	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
263	SDREN	A09	A1	S1	kWh	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	First year annual kWh net	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
264	SDREN	A09	A1	S1	Therm	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	First year annual Therm gross	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
265	SDREN	A09	A1	S1	Therm	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	First year annual Therm net	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
266	SDREN	A09	A1	S1	kW	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	Lifecycle ex-ante kW gross	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
267	SDREN	A09	A1	S1	kW	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	Lifecycle ex-ante kW net	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
268	SDREN	A09	A1	S1	kWh	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	Lifecycle ex-ante kWh gross	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
269	SDREN	A09	A1	S1	kWh	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	Lifecycle ex-ante kWh net	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
270	SDREN	A09	A1	S1	Therm	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	Lifecycle ex-ante Therm gross	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
271	SDREN	A09	A1	S1	Therm	S1: Energy Savings	Metric	First year and lifecycle ex-ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross	Lifecycle ex-ante Therm net	Agricultural (A)	2025	N/A	N/A	N/A	N/A		None	
272	SDREN	A09	A2	G	MT CO2eq	GHG	Metric	Greenhouse gases (MT CO2eq) Net kWh savings, reported on an annual basis	CO2 equivalent of net annual kWh savings	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Includes CO2 but not NOX and PM10 as these are not GHG equivalents. For details regarding electric CO2 emissions reduction values, refer to note in cell [illegible]	
273	SDREN	A09	A3	P1: Participants	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric	Percent of participation relative to eligible population for small, medium and large customers.	Percent of participation relative to eligible population for large customers	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Participation is defined as the first instance of participation. Large customers are defined as those using greater than or equal to 500,000 kWh or 150,000 therms annually.	
274	SDREN	A09	A3	P1: Participants	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric	Percent of participation relative to eligible population for small, medium and large customers.	Percent of participation relative to eligible population for medium customers	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Participation is defined as the first instance of participation. Medium customers are defined as those who use between 40,000-500,000kWh or 10,000-150,000 therms annually.	
275	SDREN	A09	A3	P1: Participants	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric	Percent of participation relative to eligible population for small, medium and large customers.	Percent of participation relative to eligible population for small customers	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Participation is defined as the first instance of participation. Small customers are defined as those who use less than 40,000 kWh or 10,000 therms annually.	
276	SDREN	A09	A4	LC	$/kW	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	PAC Levelized Cost ($/kW)	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
277	SDREN	A09	A4	LC	$/kWh	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	PAC Levelized Cost ($/kWh)	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
278	SDREN	A09	A4	LC	$/therm	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	PAC Levelized Cost ($/therm)	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
279	SDREN	A09	A4	LC	$/kW	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	TRC Levelized Cost ($/kW)	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
280	SDREN	A09	A4	LC	$/kWh	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	TRC Levelized Cost ($/kWh)	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
281	SDREN	A09	A4	LC	$/therm	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	TRC Levelized Cost ($/therm)	Agricultural (A)	2025	N/A	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
282	SDREN	A10	CS1	S1	Net GWh	S1: Energy Savings	Metric	Net Energy Savings: GWH	Net GWh savings	Codes & Standards (CS)	2025	-	-	-	-	EM&V study	2018-2025 consistent with adopted goals from D.17-09-025, Tables 1, 2, and 3, p. 37-38; 2018 from CEDARS [illegible]	
283	SDREN	A10	CS1	S1	Net MMTherms	S1: Energy Savings	Metric	Net Energy Savings: MM Therms	Net MMTherms savings	Codes & Standards (CS)	2025	-	-	-	-	EM&V study	2018-2025 consistent with adopted goals from D.17-09-025, Tables 1, 2, and 3, p. 37-38; 2018 from CEDARS [illegible]	
284	SDREN	A10	CS1	S1	Net MW	S1: Energy Savings	Metric	Net Energy Savings: MW	Net MW savings	Codes & Standards (CS)	2025	-	-	-	-	EM&V study	2018-2025 consistent with adopted goals from D.17-09-025, Tables 1, 2, and 3, p. 37-38; 2018 from CEDARS [illegible]	
285	SDREN	A10	CS2	1	Count	Advocacy-Building	Metric	Number of measures supported by CASE studies in rulemaking cycle (current work)	Number of measures supported by CASE studies in rulemaking cycle (current work)	Codes & Standards (CS)	2025					Measures supported by CASE	Baseline and targets for measures supported are for 3 year cycle rather than annual.	
286	SDREN	A10	CS2	2	Count	Advocacy-Building	Metric	Number of measures adopted by CEC in rulemaking cycle (indicator of past work)	Number of measures adopted by CEC in rulemaking cycle (indicator of past work)	Codes & Standards (CS)	2025					Measures adopted by CEC	Baseline and targets for measures supported are for 3 year cycle rather than annual.	
287	SDREN	A10	CS3	1	Count	Advocacy-Appliance	Metric	Number of T-20 measures supported by CASE studies in rulemaking cycle (current work)	Number of T-20 measures supported by CASE studies in rulemaking cycle (current work)	Codes & Standards (CS)	2025					T-20 measures supported by CASE	Baseline is annual. Targets for measures supported are for 3-year cycle rather than annual. 2017 shown as baseline since 2018 was zero.	
288	SDREN	A10	CS3	2	Count	Advocacy-Appliance	Metric	Number of measures adopted by CEC in current year	Number of measures adopted by CEC in current year	Codes & Standards (CS)	2025					Measures adopted by CEC	Baseline is annual. Targets for measures adopted are for 3-year cycle rather than annual.	
289	SDREN	A10	CS4	1	Count	Advocacy-Federal	Metric	Number of federal standards adopted for which a utility advocated (IOUs to list advocated activities)	Number of federal standards adopted for which a utility advocated (IOUs to list advocated activities)	Codes & Standards (CS)	2025					Standards adopted	Baselines and targets are annual. Any federal standards based upon Title 20 that were adopted will still be included in the federal count.	
290	SDREN	A10	CS4	2	Count	Advocacy-Federal	Metric	Percent of federal standards adopted for which a utility advocated (#IOU supported / # DOE adopted)	Percent of federal standards adopted for which a utility advocated (#IOU supported / # DOE adopted)	Codes & Standards (CS)	2025					# IOUs supported ÷ # DOE adopted	Baselines and targets are annual.	
291	SDREN	A10	CS5	1	Count	Reach Codes	Metric	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)	Codes & Standards (CS)	2025	TBD	TBD	TBD	TBD	Reach Code ordinances implemented	Targets are total for a three-year Title 24 code cycle. Jurisdictions having multiple reach codes will be counted by reach code rather than by jurisdiction. Accomplishments will be reported from the CEC Reach Codes website (https://www.energy.ca.gov/title24/2019standards/ordinances/).	
292	SDREN	A11	CS6	1	Count	Compliance Improvement	Metric	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of training activities	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of training activities	Codes & Standards (CS)	2025	TBD	TBD	TBD	TBD	Number of training activities	118 live training sessions and 20 webinars in 2017; short, mid, and long-term targets are annual	
293	SDREN	A11	CS6	2	Count	Compliance Improvement	Metric	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of participants	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of participants	Codes & Standards (CS)	2025	TBD	TBD	TBD	TBD	Number of participants	3000 attendees for live training and 800 attendees for webinars in 2017; short, mid, and long-term targets are annual. Attendees will be shown by major segment (i.e., building officials, builders, architects, HERS raters) and target size of each segment will be provided during first metrics reporting.	
294	SDREN	A11	CS6	3	Score	Compliance Improvement	Metric	Increase in code compliance knowledge pre/post training	Increase in code compliance knowledge pre/post training	Codes & Standards (CS)	2025	TBD	TBD	TBD	TBD	Knowledge score	Code compliance knowledge increase will be tested via pre and post training questionnaires. Surveys will be conducted for training that lasts longer than three hours (in order to preserve time for instruction in shorter training sessions). Questionnaires will be made available during the first metrics reporting.	
295	SDREN	A11	CS6R	1	Percent	Compliance Improvement	Metric	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions	Codes & Standards (CS)	2025	TBD	TBD	TBD	TBD			
296	SDREN	A11	CS8RI	1	Count	Compliance Improvement	Indicator	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator			
297	SDREN	A11	CS8RI	1	Percent	Compliance Improvement	Indicator	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator			
298	SDREN	A11	CS8RI	2	Count	Compliance Improvement	Indicator	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator			
299	SDREN	A11	CS8RI	2	Percent	Compliance Improvement	Indicator	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator			
300	SDREN	A11	CS8RI	3	Count	Compliance Improvement	Indicator	Buildings receiving enhanced code compliance support and delivering compliance data to program evaluators	Buildings receiving enhanced code compliance support and delivering compliance data to program evaluators	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator			
301	SDREN	A12	WET-1	1	Count	Collaborations	Metric	Number of collaborations by Business Plan sector to jointly develop or share training materials or resources.	Number of collaborations by Business Plan sector to jointly develop or share training materials or resources.	Workforce Education and Training (WET)	N/A							
302	SDREN	A12	WET-2	1	Count	Penetration	Metric	Number of participants by sector	Number of participants by sector	Workforce Education and Training (WET)	2025	TBD	TBD	TBD	TBD	Report from class registration database. Baseline to be established in 2025.		
303	SDREN	A12	WET-2	1	Percentage	Penetration	Metric	Percent of participation relative to eligible target population for curriculum	Percent of participation relative to eligible target population for curriculum	Workforce Education and Training (WET)	2025	TBD	TBD	TBD	TBD	Numerator: from class registration database. Denominator: Energy efficiency labor workforce within SDREN territory. Baseline to be established in 2025.	"Participation" means unique participants, meaning that one person attending two classes throughout the year would be counted as one participant. "Curriculum" refers to the portfolio of training programs and training materials offered by WE&T. "Eligible target population" refers to the energy efficiency labor workforce within each PA's service territory based on the proportion of the IOU's territory population compared to that of California's population. Justification for targets is consistent with justification provided for metric above.	
304	SDREN	A12	WET-3	1	Percentage	Diversity	Metric	Percent of total WE&T training program participants that meet the definition of disadvantaged worker.	Percent of total WE&T training program participants that meet the definition of disadvantaged worker.	Workforce Education and Training (WET)	N/A	TBD	TBD	TBD	TBD	Numerator: Participants from disadvantaged communities. Denominator: Total participants. Baseline to be established in 2025.	Calculation based on students with valid CA zip codes. Numerator includes students with any CA zip code.	
305	SDREN	A12	WET-4	1	Percentage	Diversity	Metric	Percent of incentive dollars spent on contracts* with a demonstrated commitment to provide career pathways to disadvantaged workers	Percent of incentive dollars spent on contracts* with a demonstrated commitment to provide career pathways to disadvantaged workers	Workforce Education and Training (WET)	N/A						*Applies only to programs that install, modify, repair, or maintain EE equipment where the incentive is paid to an entity other than a manufacturer, distributor, or retailer of equipment. This applicability standard is adapted from the larger the July 8th ruling on workforce standards. It excludes contracts such as those for upstream incentives, Codes and Standards, and mid-stream distributor programs. "Demonstrated commitment" means that the vendor submits a plan describing how the program will provide disadvantaged workers with improved access to career opportunities in the energy efficiency industry, that they regularly report the percentage of their workforce qualifying as "disadvantaged", and that they have long-term targets for the percentage of their workforce qualifying as "disadvantaged". See "Disadvantaged worker" above. Data to support this metric will be required by new third-party program implementers as part of the upcoming solicitations.	
306	SDREN	A12	WET-I1	1	Count	Diversity	Indicator	Number Career & Workforce Readiness (CWR) participants who have been employed for 12 months after receiving the training	Number Career & Workforce Readiness (CWR) participants who have been employed for 12 months after receiving the training	Workforce Education and Training (WET)	N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator			
307	SDREN	A13	ETP-M1	1	Count	Research Prioritization	Metric	Number of TPMs initiated (gas and electric combined), including one technology-focused pilot (TFP) TPM *This number will be updated once all third party contracts have been awarded.	Number of TPMs initiated (gas and electric combined), including one technology-focused pilot (TFP) TPM	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		1) Technology priority maps (TPMs) are defined in the Business Plan 2) Technology focused pilot: See ETP-M7	

X08	SDREN	A13	ETP-M2	1	Count of TPMs	Research Prioritization	Metric	Number of TPMs updated *This number will be updated once all third party contracts have been awarded.	Number of TPMs updated	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		1) Technology priority maps (TPMs) are defined in the Business Plan	
X09	SDREN	A13	ETP-M3	1	Count of Projects	Projects	Metric	Number of projects initiated *This number will be updated once all third party contracts have been awarded.	Number of projects initiated	Emerging Technologies (ET)	2025	N/A	N/A	N/A	N/A		1) Technology priority maps (TPMs) are defined in the Business Plan 2) Projects are considered "initiated" when project budget has been approved and funding allocated.	
X10	SDREN	A13	ETP-M4	1	Count of Events	Outreach	Metric	Number of outreach events with technology developers with products <1 year from commercialization, including new technology vendors, manufacturers, and entrepreneurs. *This number will be updated once all third party contracts have been awarded.	Number of outreach events with technology developers with products <1 year from commercialization, including new technology vendors, manufacturers, and entrepreneurs	Emerging Technologies (ET)	2025	N/A	N/A	N/A	N/A		1) "Technology developers" – Any organization or company that develops energy efficiency and demand response technology suitable for inclusion in PA incentive programs 2) "Events" – ET Summit, webinars, and in-person meetings, as proposed by ETP implementers.	
X11	SDREN	A13	ETP-M5	1	Count of Events	Outreach	Metric	Number of outreach events with technology developers with products <3 years from commercialization, including new technology vendors, manufacturers, and entrepreneurs. *This number will be updated once all third party contracts have been awarded.	Number of outreach events with technology developers with products <3 years from commercialization, including new technology vendors, manufacturers, and entrepreneurs	Emerging Technologies (ET)	2025	N/A	N/A	N/A	N/A		1) "Technology developers" – Any organization or company that develops energy efficiency and demand response technology suitable for inclusion in PA incentive programs. 2) "Events" – ET Summit, webinars, and in-person meetings, as proposed by ETP implementers.	
X12	SDREN	A14	ETP-M6	1	Count of TFPs	Pilots	Metric	Number of projects initiated with cooperation from other internal IOU programs associated with each Technology Focused Pilot. *This number will be updated once all third party contracts have been awarded.	Number of projects initiated with cooperation from other internal IOU programs associated with each Technology Focused Pilot	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		1) "Cooperation" is defined as a process by which all parties work towards a mutual objective.	
X13	SDREN	A14	ETP-M7	1	Count of TFPs	Pilots	Metric	Number of Technology Focused Pilot (TFP) initiated as part of the TFP TPM. *This number will be updated once all third party contracts have been awarded.	Number of Technology Focused Pilot (TFP) initiated as part of the TFP TPM	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		1) A technology focused pilot (TFP) will identify market barriers for a diverse range of high impact technologies through studies, and subsequently breaking down identified barriers in collaboration with other relevant programs. 2) "Technology Focused Pilot": Pilots that have been proposed by IPs in response to PA needs and that have been approved through the existing ED ideation Process. These includes TFPs conducted in cooperation with other programs.	
X14	SDREN	A15	ETP-T1	1	Percent of New Measures	Measure Tracking	Metric	Prior year % of new measures added to the portfolio that were previously ETP technologies *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new measures.	Prior year % of new measures added to the portfolio that were previously ETP technologies	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets.	
X15	SDREN	A15	ETP-T2	1	Count of New Measures	Measure Tracking	Metric	Prior Year # of new measures added to the portfolio that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new measures.	Prior Year # of new measures added to the portfolio that were previously ETP technologies	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets.	
X16	SDREN	A15	ETP-T3	1	Percent	Measure Tracking	Metric	Prior year % of new codes or standards that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new codes or standards.	Prior year % of new codes or standards that were previously ETP technologies	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets.	
X17	SDREN	A15	ETP-T4	1	Count	Measure Tracking	Metric	Prior Year # of new codes and standards that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new codes or standards.	Prior Year # of new codes and standards that were previously ETP technologies	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets.	
X18	SDREN	A15	ETP-T5a	1	Lifecycle net kW	Savings Tracking	Metric	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. ETP is a non resource program and does not make savings claims.	
X19	SDREN	A15	ETP-T5b	1	Lifecycle net kWh	Savings Tracking	Metric	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. ETP is a non resource program and does not make savings claims.	
X20	SDREN	A15	ETP-T5c	1	Lifecycle net Therms	Savings Tracking	Metric	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. ETP is a non resource program and does not make savings claims.	
X21	SDREN	A15	ETP-T6a	1	Count of project ideas by PA	Project Idea Tracking	Metric	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process by PA	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
X22	SDREN	A15	ETP-T6b	1	Count of project ideas by national labs	Project Idea Tracking	Metric	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process by National Lab	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
X23	SDREN	A15	ETP-T6c	1	Count of project ideas by manufacturers	Project Idea Tracking	Metric	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process by Manufacturer	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
X24	SDREN	A15	ETP-T6d	1	Count of project ideas by entrepreneurs	Project Idea Tracking	Metric	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process by Entrepreneur	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing. "Submitted" refers to an idea submitted through a formal submission process.	
X25	SDREN	A15	ETP-T7a	1	Count of project ideas by PA	Project Idea Tracking	Metric	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	ETP-T7a Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by PA	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
X26	SDREN	A15	ETP-T7b	1	Count of project ideas by national labs	Project Idea Tracking	Metric	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by National Lab	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
X27	SDREN	A15	ETP-T7c	1	Count of project ideas by manufacturers	Project Idea Tracking	Metric	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by Manufacturer	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
X28	SDREN	A15	ETP-T7d	1	Count of project ideas by entrepreneurs	Project Idea Tracking	Metric	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by Entrepreneur	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 16, 2017 metrics filing, however the commission ruled that those tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
X29	SDREN	A16	ETP-T8	1	Number of Ids	Statewide Goal Alignment	Metric	List of ETP projects aligned with statewide goals that were initiated in the reporting year with specificity as to what	List of ETP projects aligned with statewide goals that were initiated in the reporting year with specificity as to what	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had	
	SDREN	Statewide Goal Alignment	Metric	aligned with statewide goals that	with statewide goals that were initiated in	Emerging Technologies (ET)				Emerging Technologies (ET)	2025	N/A	N/A	N/A	N/A			

Pa Name: SDREN
Budget Year: 2024-2027
Adopted Market Support & Equity Indicators (does not include AKAB indicators)

SDREN WILL FOLLOW GUIDANCE ON ADOPTED METHODOLOGIES AND CLARIFICATIONS ON THE BELOW ADOPTED INDICATORS ANTICIPATED THROUGH A JOINT TIER 2 ADVICE LETTER IN MAY 2024

Metric/Indicator	Equity/Market Support	Description	Reported quarterly (Q) or annually (A)	Reported by segment (S) or portfolio (P)
Indicator	Equity	Count of equity target participants in equity segment, by sector	Q	S
Indicator	Equity	Sum of equity target participants' expected first-year bill savings in equity segment, by sector	Q	S
Indicator	Equity	Count of equity target participants in market support segment, by sector	Q	S
Indicator	Equity	Count of equity target participants in resource acquisition segment, by sector	Q	S
Indicator	Equity	Sum of all equity segment participants' greenhouse gas reductions (in tons of carbon dioxide equivalent) in equity segment	Q	S
Indicator	Equity	Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment	Q	S
Indicator	Equity	Sum of all equity segment participants' kW savings in equity segment	Q	S
Indicator	Equity	Sum of all equity segment participants' therm savings in equity segment	Q	S
Indicator	Equity	Sum of all equity segment participants' TSB in equity segment	Q	S
Indicator	Equity	Median of equity target participants' expected first-year bill savings in equity segment, by sector	Q	S
Indicator	Equity	Percent of hard-to-reach customer participants in portfolio, by residential single family / multi-family and commercial sector	A	P
Indicator	Equity	Percent of disadvantaged community customer participants in portfolio, by residential single-family / multifamily and commercial sector	A	P
Indicator	Equity	Percent of equity target participants in equity segment, by sector	Q	S
Indicator	Market Support	Number of partners by type and purposes	Q	P
Indicator	Market Support	Dollar value of non-ratepayer in-kind funds/contributions utilized via partnerships	A	P
Indicator	Market Support	Percent of participation relative to eligible target population for curriculum	Q	S
Indicator	Market Support	Percent of total WE&T program participants that meet the definition of disadvantaged worker	Q	S
Indicator	Market Support	Number of career and workforce readiness participants who have been employed for 12 months after receiving the training	A	S
Indicator	Market Support	Prior year percentage of new measures added to the portfolio that were previously emerging technology program (ETP) technologies	A	P
Indicator	Market Support	Prior year number of new measures added to the portfolio that were previously ETP technologies	A	P
Indicator	Market Support	Prior year percentage of new codes or standards that were previously ETP technologies	A	P
Indicator	Market Support	Prior year number of new codes and standards that were previously ETP technologies	A	P

Indicator	Market Support	Savings (lifecycle net kWh, kWh, and therms) of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available	A	P
Indicator	Market Support	Number of new, validated technologies recommended to the California Technical Forum	A	P
Indicator	Market Support	Cost-effectiveness of a technology prior to market support program relative to cost-effectiveness of a technology after intervention by the market support programs (percentage change in cost-effectiveness)	A	S
Indicator	Market Support	Number of collaborations, with a contextual descriptions, by business plan sector to jointly develop or share training materials or resources	A	P
Indicator	Market Support	Number of unique participants by sector that complete training	Q	S
Indicator	Market Support	Number of projects (outside of ETP) that validate the technical performance, market and market barrier knowledge, and/or effective program interventions of an emerging/under-utilized or existing energy efficient technology	A	P
Indicator	Market Support	Total projects completed/measures installed and dollar value of consolidated programs by sector	Q	P
Indicator	Market Support	Ratio of ratepayer funds expended to private capital leveraged by sector	Q	P
Indicator	Market Support	Percentage of partners that have taken action supporting energy efficiency by type	Q	P
Indicator	Market Support	Number of contractors (that serve in the portfolio administrator service areas) with knowledge and trained by relevant market support programs to provide quality installations that optimize energy efficiency	Q	S
Indicator	Market Support	Assessed value of the partnership by partners	A	P
Indicator	Market Support	Percent of market penetration of emerging/under-utilized or existing energy efficiency products or services	A	P
Indicator	Market Support	Percent of market participant awareness of emerging/under-utilized or existing energy efficiency products or services	A	P
Indicator	Market Support	Aggregated confidence level in performance verification by production, project, and service (for relevant programs)	A	P
Indicator	Market Support	Differential of cost defrayed from customers (e.g., difference between comparable market rate products and program products)	A	P
Indicator	Market Support	Comparisons between market-rate capital vs. capital accessed via energy efficiency programs (e.g., interest rate, monthly payment)	A	P

Pa Name: SDREN
Budget Year: 2024-2027

SDREN Unique Value Metrics

Metric/Indicator	Measurement	Description	Segment	Sector	(Y/N)	Numerator	Denominator	Methodology	Target 2024	Target 2025	Target 2026	Target 2027	4-Year Target
Metric	Percent	energy costs as a result of program participation	Equity	Public,	N	SDREN commercial, public, or residential	participate in SDREN commercial, public,	intervention	100%	100%	100%	100%	100%
Indicator	kbtu	EE savings channeled to non SDREN programs		Public,	Y	n/a	n/a	request to PA. Methodology may	n/a	n/a	n/a	n/a	n/a
Metric	Percent	% of customers channeled to non SDREN programs			Y	SDREN programs introduced to a non-SDREN	with SDREN programs	is introduced to SDG&E, or other	50%	50%	50%	50%	50%
Metric	Percent	programs/ communities (% of total budget spend)			Y	time period	Total SDREN spend	the sum of the following: funding	50%	50%	50%	50%	50%
Indicator	Count	Count of newly educated or credentialed individuals	Market Support	WE&T	N	N/A	N/A	training through an SDREN program	n/a	n/a	n/a	n/a	n/a
Metric	Percent	customers served	Equity	Public,	Y	program classified as underserved or HTR	SDREN programs	program classified as underserved	75%	75%	75%	75%	75%

Pa Name: SDREN
Budget Year 2024-2027
Program Segmentation Justification (Attachment A from D. 23.06.055)

PA	Program Name	Program ID	Market Sector	Program Segment	Brief description of rationale for program segmentation	Metric/Indicator Identification
SDREN	SMB Energy Coach	SDREN-01-COM-SMB	Commercial	Equity	This program provides energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment
SDREN	SMB Energy Coach	SDREN-01-COM-SMB	Commercial	Equity	This program provides energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' kW savings in equity segment
SDREN	SMB Energy Coach	SDREN-01-COM-SMB	Commercial	Equity	This program provides energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' therm savings in equity segment
SDREN	SMB Energy Coach	SDREN-01-COM-SMB	Commercial	Equity	This program provides energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' TSB in equity segment
SDREN	SMB Energy Coach	SDREN-01-COM-SMB	Commercial	Equity	This program provides energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' greenhouse gas reductions (in tons of carbon dioxide equivalent) in equity segment
SDREN	SMB Energy Coach	SDREN-01-COM-SMB	Commercial	Equity	This program provides energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Count of equity target participants in equity segment, by sector
SDREN	SMB Energy Coach	SDREN-01-COM-SMB	Commercial	Equity	This program provides energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Percent of equity target participants in equity segment, by sector
SDREN	SMB Energy Coach	SDREN-01-COM-SMB	Commercial	Equity	This program provides energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	Efficient Refrigeration	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment
SDREN	Efficient Refrigeration	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' therm savings in equity segment
SDREN	Efficient Refrigeration	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' TSB in equity segment
SDREN	Efficient Refrigeration	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Count of equity target participants in equity segment, by sector
SDREN	Efficient Refrigeration	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	Efficient Refrigeration	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Median of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	Market Access Program	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Count of equity target participants in resource acquisition segment, by sector
SDREN	Market Access Program	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Total System Benefit (TSB) Achieved
SDREN	Market Access Program	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Net GHG reduction
SDREN	Market Access Program	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Net kWh savings
SDREN	Market Access Program	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Net kW savings
SDREN	Market Access Program	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Net therms savings

SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)
SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of training activities
SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of participants
SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Increase in code compliance knowledge pre/post training
SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions
SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Number and percent of jurisdictions with staff participating in an Energy Policy Forum
SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Number and percent of jurisdictions with staff participating in an Energy Policy Forum
SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Number and percent of jurisdictions receiving Energy Policy technical assistance.
SDREN	Codes & Standards	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Buildings receiving enhanced code compliance support and delivering compliance data to program evaluators
SDREN	Energy Pathways Program	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Percent of total WE&T program participants that meet the definition of disadvantaged worker
SDREN	Energy Pathways Program	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Count of equity target participants in market support segment, by sector
SDREN	Energy Pathways Program	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Percent of participation relative to eligible target population for curriculum
SDREN	Energy Pathways Program	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Number of unique participants by sector that complete training
SDREN	Energy Pathways Program	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Ratio of ratepayer funds expended to private capital leveraged by sector
SDREN	Energy Pathways Program	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Dollar value of non-ratepayer in-kind funds/contributions utilized via partnerships
SDREN	Workforce Training & Capacity Building	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Percent of total WE&T program participants that meet the definition of disadvantaged worker
SDREN	Workforce Training & Capacity Building	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Count of equity target participants in market support segment, by sector
SDREN	Workforce Training & Capacity Building	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Percent of participation relative to eligible target population for curriculum
SDREN	Workforce Training & Capacity Building	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Number of unique participants by sector that complete training
SDREN	Workforce Training & Capacity Building	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Number of career and workforce readiness participants who have been employed for 12 months after receiving the training
SDREN	Workforce Training & Capacity Building	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Number of partners by type and purposes
SDREN	Climate Resilience Leadership	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Savings (lifecycle net kWh, kWh, and therms) of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available

SDREN	Climate Resilience Leadership	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Count of equity target participants in market support segment, by sector
SDREN	Climate Resilience Leadership	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Percent of participation relative to eligible target population for curriculum
SDREN	Climate Resilience Leadership	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Total projects completed/measures installed and dollar value of consolidated programs by sector
SDREN	Climate Resilience Leadership	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Ratio of ratepayer funds expended to private capital leveraged by sector
SDREN	Climate Resilience Leadership	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Dollar value of non-ratepayer in-kind funds/contributions utilized via partnerships
SDREN	Tribal Engagement	SDREN-02-PUB-TRE	Public	Equity	Provide energy efficiency services to Tribes, a hard-to-reach community that has been historically underserved. This goal is in alignment with the primary purpose of Equity segment programs, i.e. to provide EE services to HTR customers in DACs in advancement of the Commission's Environmental and Social Justice Action Plan.	Percent of equity target participants in equity segment, by sector
SDREN	Tribal Engagement	SDREN-02-PUB-TRE	Public	Equity	Provide energy efficiency services to Tribes, a hard-to-reach community that has been historically underserved. This goal is in alignment with the primary purpose of Equity segment programs, i.e. to provide EE services to HTR customers in DACs in advancement of the Commission's Environmental and Social Justice Action Plan.	Count of equity target participants in equity segment, by sector
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' TSB in equity segment
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' greenhouse gas reductions (in tons of carbon dioxide equivalent) in equity segment
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of equity target participants in equity segment, by sector
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Count of equity target participants in equity segment, by sector
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of disadvantaged community customer participants in portfolio, by residential single-family / multifamily and commercial sector
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of hard-to-reach customer participants in portfolio, by residential single family / multi-family and commercial sector
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Median of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment
SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' kW savings in equity segment

SDREN	Multifamily	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' therm savings in equity segment
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' therm savings in equity segment
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' TSB in equity segment
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' greenhouse gas reductions (in tons of carbon dioxide equivalent) in equity segment
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of equity target participants in equity segment, by sector
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Count of equity target participants in equity segment, by sector
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of hard-to-reach customer participants in portfolio, by residential single family / multi-family and commercial sector
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of disadvantaged community customer participants in portfolio, by residential single-family / multifamily and commercial sector
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	Single Family	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Median of equity target participants' expected first-year bill savings in equity segment, by sector

ATTACHMENT B

(Modified to Incorporate Dates Relevant to D.21-05-031)

Approved Meet & Confer Document by Program Administrators, Office of Ratepayers and The Utility Reform Network in A.17-01-003 et. al.

Required by D.18-05-041 Ordering Paragraph 44

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Attachment B

Approved Meet & Confer Document by Program Administrators, Office of Ratepayers and The Utility Reform Network

BACKGROUND:

Decision (D.) 18-05-041 Ordering Paragraph 44 states:

> Beginning with the annual budget advice letters due on September 3, 2019, the program administrators must include updated budget estimates in the same format as the supplemental budget information filed in this proceeding on June 12, 2017.

Therefore, consistent with this Commission direction, this narrative and the accompanying *SDREN's Energy Efficiency 2024-2031 Application Tables, Pursuant To Energy Division Template, Tables 9 through 16*, SDREN provides the following information in Attachment B.

I. DESCRIPTION OF IN-HOUSE EE ORGANIZATIONAL STRUCTURE & ASSOCIATED COSTS

A. Narrative description of in-house departments/organizations supporting the PA's EE portfolio

San Diego Community Power (SDCP) is the lead agency in the administration of San Diego Regional Energy Network (SDREN). SDCP is a Community Choice Aggregator (CCA) formed via a Joint Powers Authority by San Diego, Encinitas, La Mesa, Chula Vista, Imperial Beach, National City, and the County of San Diego. As a not-for-profit public entity, SDCP is focused on bringing cleaner power at competitive rates to its customers and investing excess revenue in the communities it serves. Within SDCP, the following four departments will support the administration and management of SDREN:

- Customer Programs
- Regulatory and Legislative Affairs
- Finance
- Public Affairs

The County of San Diego, Office of Sustainability and Environmental Justice (OSEJ) is the second public agency in SDREN's governance and will co-lead the administration of SDREN. OSEJ is organized within the Land Use and Environment Group and is the central point to steward collaborative sustainability solutions, reduce disparities, and expand opportunities in traditionally underserved communities while working to achieve zero carbon emissions and safeguard the health of the San Diego region's people and natural resources. OSEJ program management staff along with the Tribal Community Liaison and the Sustainability and Environmental Justice Liaison, whose roles are described below, will support SDREN.

- OSEJ Tribal Community Liaison – provide a mindful approach to fostering cross-governmental partnerships. This position serves as the main point of contact for all County matters with the region's Tribal Governments to partner on areas related to health and well-being, emergency preparedness, quality of life, and sustainability.
- OSEJ Sustainability and Environmental Justice Liaison – use a lens of environmental justice and advance internal sustainability programs throughout the County enterprise and identify, co-develop, and implement external initiatives related to the County's Regional Decarbonization Framework. Engage with communities disproportionately exposed to environmental burdens to address climate-related issues and provide user-friendly resources to move our region to zero carbon emissions.

1. Functions conducted by each department/organization

The SDREN's management and administration by functional group and by department and function are as follows:

Policy, Strategy, and Regulatory Reporting Compliance	
SDCP Customer Programs Department	Serve on Oversight and Administration team to provide portfolio-level vision and strategy, enact program changes during the portfolio cycle, and oversee future Business Plan development. This team provides overall portfolio management and alignment with regional planning and goals.
SDCP Regulatory & Legislative Affairs Department	Lead all regulatory and legislative matters.
County of San Diego OSEJ	Serve on Oversight and Administration team to provide portfolio-level vision and strategy, enact program changes during the portfolio cycle, and oversee future Business Plan development. This team provides overall portfolio management and alignment with regional planning and goals.
Program Management	
SDCP Customer Programs Department	Manage day-to-day program operations and implementation activities, IT management and reporting, stakeholder coordination, EM&V activities and studies.
SDCP Finance Department	Provide contract management, procurement, invoice processing, monthly reconciliation, and overall fiscal management.
ME&O (Local)	
SDCP Public Affairs Department	Provide website management, coordination with CBO stakeholders, and manage overall SDREN-wide marketing and outreach.

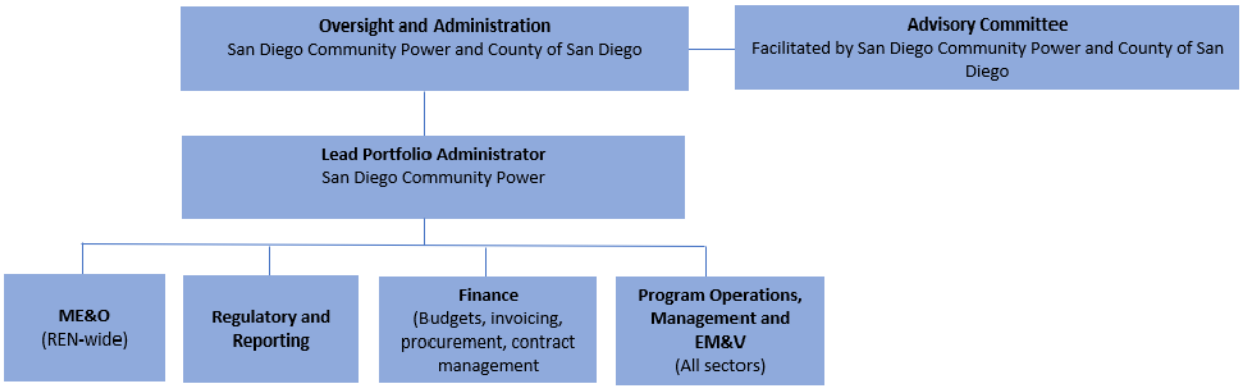
2. Energy Efficiency Management Structure and Org Chart

The **Oversight and Administration** team of SDCP and the County of San Diego will provide portfolio-level vision and strategy, enact program changes during the portfolio cycle, and oversee future Business Plan development.

The **Advisory Committee** will be facilitated by SDCP and the County of San Diego and will include local and regional governments and community-based organizations to advise on outreach and enrollment, provide feedback on program evaluation reports, and recommend program improvements.

SDCP will be the **Lead Portfolio Administrator** responsible for all fiscal, regulatory, procurement, and program management activities including reporting, marketing, education, and outreach (ME&O) and evaluation, measurement, and verification (EM&V).

The management structure and organizational chart of SDREN is provided below.



3. Staffing needs by department/organization, including current and forecast for 2022-2023, as well as a description of what changes are expected between 2024-2027 or why it's impossible to predict beyond 2024, if that's the PA's position.

As SDREN is not yet an approved PA, there are no current staffing needs. Forecasted staffing needs of Full Time Equivalent (FTE) are provided in the "Portfolio FTE" tab of *SDREN's Energy Efficiency 2024-2031 Application Tables*.

4. Non-program functions currently performed by contractors (e.g. advisory consultants), as well as a description of what changes are expected between 2024-2027 or why it's impossible to predict beyond 2024, if that's the PA's position.

Currently, there are no contractors performing non-program functions as SDREN is not yet an approved PA.

5. Anticipated drivers of in-house cost changes by department/organization

Currently, there are no costs as SDREN is not yet an approved PA. Estimated costs are based on the submitted business plan scope of programs and are subject to change based on the final approved scope of programs and scale and any unforeseen labor or material costs.

6. Explanation of method for forecasting costs

The program-level budgets were developed using a zero-based budget approach and followed guidance from the CPUC and EE Policy Manual. The budget forecast includes 10% administrative costs allocated within each program to be apportioned at the portfolio level for all activities that are not associated with program implementation. As a new REN, SDCP is allocating the full 10% cap, but anticipates developing administrative efficiencies to reduce administrative costs during operation. 6% ME&O has been allocated within each program to be apportioned for activities both at the program level and the portfolio level. Direct Implementation for incentives has been allocated at the program level for any program that offers incentives for measures that deliver TSB. The allocation by program has been determined based on the estimated incentive value disbursed through the program and energy savings targets achieved for measures installed or delivered. Direct Implementation for non-incentives has been allocated at the program level and is based on the services and resources the programs will deliver. It has been developed to align with the incentive program forecast when applicable. 4% has been allocated to EM&V at the portfolio level in accordance with D.21-05-031 and in alignment with the 2024-2031 EE Application Attachment Tables. Costs were estimated based on the best available information and from program staff experience. Fully loaded rates were used to calculate FTE forecasts.

B. Table showing PA EE "Full Time Equivalent" headcount by department/organization

7. For forecast years, 2024-2027.

SDREN's response is provided in SDREN's Energy Efficiency 2024-2031 Application Tables – Table 10 Portfolio FTE. Note, if the PAs' FTE needs change, these changes can be made without reporting or seeking CPUC approval.

C. Table showing costs by functional area of management structure

8. Expenses broken out into labor, non-labor O&M (with contract labor identified)

SDREN's forecasted costs are provided in *SDREN's Energy Efficiency 2024-2031 Application Tables*, Tables 11 through 16 Sector Budget details.

9. Identify any capital costs

SDREN will have no capital costs.

D. Table showing cost drivers across the EE organization

10. Narrative of cost drivers in place of a table

SDREN anticipates the ability to identify actual cost drivers upon approval and administration of its portfolio. As SDREN is not yet an approved PA, SDREN uses the best available information to provide forecasted program budgets in Tables 4.1 and 4.2 of *SDREN's Energy Efficiency 2024-2031 Application Tables*. Upon approval, SDREN expects cost drivers for administration and implementation of programs to include labor costs, procurement and contracting, program ramp-up, number of programs, number of participants in a program, marketing, education and outreach activities, and project management activities.

E. Explanation of allocation of labor and O&M costs between EE-functions and GRC-functions or other non-EE functions

11. When an employee spends less than 100% of her/his time on EE, how are costs tracked and recovered (e.g., on a pro rata basis between EE rates and GRC rates; when time exceeds a certain threshold, all to EE; etc.).

San Diego Community Power and the County of San Diego have established procedures and software to track costs and are prepared to track/report employee costs for SDREN activities once approved as a PA. Both SDCP and the County have experience implementing grant-funded projects that require tracking and reporting of staff time by funding source and cost category. For example, SDCP is currently a program administrator of the CPUC disadvantaged communities green tariff (DAC-GT) and community solar green tariff (CSGT) programs which necessitates tracking and reporting costs.

12. Describe the method used to determine the proportion charged to EE balancing accounts for all employees who also do non-EE work.

Overhead costs, including the cost of non-EE staff time performing general functions that are considered overhead, are included in the fully loaded rates used in the budget forecast found in *SDREN's Energy Efficiency 2024-2031 Application Tables*. No overhead costs will be incurred for SDREN when there is no direct staff time charged to SDREN activities.

13. Identify the EE functions that are most likely to be performed by employees who also do non-EE work (e.g. Customer Account Representatives?)

EE functions that are most likely to be performed by employees who also do non-EE work include information technology, fiscal management, marketing, and customer account representatives.

15. How are burden benefit-related administrative and general (A&G) expenses for employees who work on EE programs recovered (EE rates or GRC rates)? **PG&E allocates these costs to EE pursuant to a settlement agreement with MCE and TURN, which was adopted in D.14-08-032.

This is not applicable to SDREN.

16. When EE and non-EE activities are supported by the same non-labor resources, how are the costs of those resources or systems allocated to EE and non-EE activities?

General administrative costs are factored into the fully loaded rates for employees and will be recovered proportionally to the amount of time charged to individual programs.

17. Identify the EE O&M costs that are most likely to be spread to non-EE functions as well as EE, if any

The O&M costs that will support both SDREN EE activities and non-SDREN EE activities will be included in the fully loaded rates and will be allocated proportionally to the individual programs charging labor.

II. BUDGET TABLES INCLUDING INFORMATION IDENTIFIED IN THE SCOPING MEMO

This section refers to the April 14, 2017 Scoping Memo and Ruling of Assigned Commissioner and Administrative Law Judges in A.17-01-003 et. al.

A. Attachment-A, Question C.8

"Present a single table summarizing energy savings targets, and expenditures by sector (for the six specified sectors). This table should enable / facilitate assessment of relative contributions of the sectors to savings targets, and relative cost-effectiveness."

18. TURN and CAL PA invite the PAs to propose a common table format for this information. We don't have anything specific in mind. Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.8 Table.

SDREN's response is provided in *SDREN's Energy Efficiency 2024-2031 Application Tables – Table 7*.

B. Attachment-A, Question C.9

"Using a common budget template developed in consultation with interested stakeholders (hopefully agreed upon at a "meet and confer" session), display how much of each year's budget each PA anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, marketing), by sector and by cross-cutting program."

19. TURN and CAL PA invite the PAs to propose a common table format for this information. We don't have anything specific in mind.

SDREN's response is provided in *SDREN's Energy Efficiency 2024-2031 Application Tables* – Tables 11 through 16.

20. Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.9 Table.

SDREN estimated costs using a zero-based budget approach and followed guidance from the CPUC and EE Policy Manual. The proposed budgets are calibrated to allow a sufficient scale for program delivery to the targeted customer segments in the SDREN service territory and to confidently expect significant positive customer impacts.

C. Attachment-A, Question C.10

"Present a table akin to PG&E's Figure 1.9 (Portfolio Overview, p 37) or SDG&E's Figure 1.10 (p. 23) that not only shows anticipated solicitation schedule of "statewide programs" by calendar year and quarter, but also expected solicitation schedule of local third-party solicitations, by sector, and program area (latter to extent known, and/or by intervention strategy if that is more applicable). For both tables, and for each program entry on the calendar, give an approximate size of budget likely to be available for each solicitation (can be a range)."

21. TURN and CAL PA invite the PAs to propose a common table format for this information. We don't have anything specific in mind. Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.10 Table.

SDREN does not currently administer any statewide programs, as indicated in *SDREN's Energy Efficiency 2024-2031 Application Tables* – Table 6 Statewide Programs.

SDREN-2024-2031-EE-Application-Excel-Sheets-1.xlsx

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 1 -Bill Payer Impacts (based on program savings forecasted for the year)				
	Electric Average Rate	Gas Average Rate	Total Average	Total Average
Present Rates - System Average *				
2021				
2022				
2023				
2024				
2025				
2026				
2027				
2028				
2029				
2030				
2031				

* = Based on [relevant date] current effective rates
Total Average Annual Bill Savings by Year ($) Electric Average Rate (Res and Non-Res) $/kwh * Total First Year Electric Net Savings KWH + Gas Average Rate(Res and Non-Res) $/therm * Total First Year Gas Net Savings Therm
Total Average Lifecycle Bill Savings ($) Electric Average Rate (Res and Non-Res) $/kwh * Total Lifecycle Electric Net Savings KWH + Gas Average Rate(Res and Non-Res) $/therm * Total Lifecycle Gas Net Savings Therm

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 2a - Electric Bill Payer Impacts - Current and Proposed Revenues and Rates, Total and Energy Efficiency, by Customer Class

Customer Classes	2022 Proposed Energy	2022 Proposed Percentage	2022 Electric	2022 Energy Efficiency	2023 Proposed Energy	2023 Proposed Percentage	2023 Electric

* = Based on [relevant date] current effective rates

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenues and Rates, Total and Energy Efficiency, by Customer Class

Customer Classes	2022 Proposed Energy	2022 Proposed Percentage	2022 Gas	2022 Energy Efficiency	2023 Proposed Energy	2023 Proposed Percentage	2023 Gas

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 2a - Electric Bill Payer Impacts - Current and Proposed Rever

Customer Classes	2023 Energy Efficiency	2024 Proposed Energy	2024 Proposed Percentage	2024 Electric	2024 Energy Efficiency	2025 Proposed Energy	2025 Proposed Percentage

* = Based on [relevant date] current effective rates

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenue

Customer Classes	2023 Energy Efficiency	2024 Proposed Energy	2024 Proposed Percentage	2024 Gas	2024 Energy Efficiency	2025 Proposed Energy	2025 Proposed Percentage

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 2a - Electric Bill Payer Impacts - Current and Proposed Rever

Customer Classes	2025 Electric	2025 Energy Efficiency	2026 Proposed Energy	2026 Proposed Percentage	2026 Electric	2026 Energy Efficiency	2027 Proposed Energy

* = Based on [relevant date] current effective rates

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenue

Customer Classes	2025 Gas	2025 Energy Efficiency	2026 Proposed Energy	2026 Proposed Percentage	2026 Gas	2026 Energy Efficiency	2027 Proposed Energy

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 2a - Electric Bill Payer Impacts - Current and Proposed Rever

Customer Classes	2027 Proposed Percentage	2027 Electric	2027 Energy Efficiency	2028 Proposed Energy	2028 Proposed Percentage	2028 Electric	2028 Energy Efficiency

* = Based on [relevant date] current effective rates

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenue

Customer Classes	2027 Proposed Percentage	2027 Gas	2027 Energy Efficiency	2028 Proposed Energy	2028 Proposed Percentage	2028 Gas	2028 Energy Efficiency

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 2a - Electric Bill Payer Impacts - Current and Proposed Rever

Customer Classes	2029 Proposed Energy	2029 Proposed Percentage	2029 Electric	2029 Energy Efficiency	2030 Proposed Energy	2030 Proposed Percentage	2030 Electric

* = Based on [relevant date] current effective rates

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenue

Customer Classes	2029 Proposed Energy	2029 Proposed Percentage	2029 Gas	2029 Energy Efficiency	2030 Proposed Energy	2030 Proposed Percentage	2030 Gas

Pa Name: SDREN
Budget Year: 2024-2031
(This Table applies only to the IOU PAs)

Table 2a - Electric Bill Payer Impacts - Current and Proposed Rever

Customer Classes	2030 Energy Efficiency	2031 Proposed Energy	2031 Proposed Percentage	2031 Electric	2031 Energy Efficiency

* = Based on [relevant date] current effective rates

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenue

Customer Classes	2030 Energy Efficiency	2031 Proposed Energy	2031 Proposed Percentage	2031 Gas	2031 Energy Efficiency

Pa Name: SDREN
Budget Year: 2024-2031
Table 3.1 - PA 2024-2031 Funding Source Summary

	Spending Budget Request	Electric Procurement	% Electric	Gas	% Gas
2024	15,852,720	9,511,632	60.0%	6,341,088	40.0%
2025	32,755,736	19,653,441	60.0%	13,102,294	40.0%
2026	36,031,310	21,618,786	60.0%	14,412,524	40.0%
2027	39,634,441	23,780,665	60.0%	15,853,777	40.0%
2028	41,219,821	24,731,893	60.0%	16,487,928	40.0%
2029	42,868,616	25,721,170	60.0%	17,147,446	40.0%
2030	44,583,355	26,750,013	60.0%	17,833,342	40.0%
2031	46,366,693	27,820,016	60.0%	18,546,677	40.0%
Total	**299,312,692**	**179,587,615**		**119,725,077**	

	Revenue Requirement Request	Electric Procurement	% Electric	Gas	% Gas
2024	15,852,720	9,511,632	60.0%	6,341,088	40.0%
2025	32,755,736	19,653,441	60.0%	13,102,294	40.0%
2026	36,031,310	21,618,786	60.0%	14,412,524	40.0%
2027	39,634,441	23,780,665	60.0%	15,853,777	40.0%
2028	41,219,821	24,731,893	60.0%	16,487,928	40.0%
2029	42,868,616	25,721,170	60.0%	17,147,446	40.0%
2030	44,583,355	26,750,013	60.0%	17,833,342	40.0%
2031	46,366,693	27,820,016	60.0%	18,546,677	40.0%
Total	**299,312,692**	**179,587,615**		**119,725,077**	

	PA (IOU+CCAs+RENs) Recovery Budget	Electric Procurement	% Electric	Gas	% Gas
2024	15,852,720	9,511,632	60.0%	6,341,088	40.0%
2025	32,755,736	19,653,441	60.0%	13,102,294	40.0%
2026	36,031,310	21,618,786	60.0%	14,412,524	40.0%
2027	39,634,441	23,780,665	60.0%	15,853,777	40.0%
2028	41,219,821	24,731,893	60.0%	16,487,928	40.0%
2029	42,868,616	25,721,170	60.0%	17,147,446	40.0%
2030	44,583,355	26,750,013	60.0%	17,833,342	40.0%
2031	46,366,693	27,820,016	60.0%	18,546,677	40.0%
Total	**299,312,692**	**179,587,615**		**119,725,077**	

8 Year Funding Sources - RENs/CCAs

	PG&E		SDG&E		SCE	SCG
Year	Electric $	Gas $	Electric $	Gas $	Electric $	Gas $
2024						
2025						
2026						
2027						
2028						
2029						
2030						
2031						
Total	-		-			-

Pa Name: SDREN
Budget Year: 2024-2031

Table 3 - Budget and Cost Recovery by Funding Source

Table 3a - PA Spending Budget Request by Funding Source	Source is Table 4				Source is Table 7			
PA EE Programs and EM&V	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Annual PA Spending Budget Request (Program and EM&V total)	$ 15,852,720	$ 32,755,736	$ 36,031,310	$ 39,634,441	$ 41,219,821	$ 42,868,616	$ 44,583,355	$ 46,366,693
CEC AB 841 Program Budget Request								
Applicable percentage of difference between funding limitation and 2020 budget (70% for								
Plus 2020 and Beyond Uncommitted and Unspent Carryover Balance								
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	**$ 15,852,720**	**$ 32,755,736**	**$ 36,031,310**	**$ 39,634,441**	**$ 41,219,821**	**$ 42,868,616**	**$ 44,583,355**	**$ 46,366,693**

1 Applicable percentage is 70% for 2022 and 60% for 2023.

Table 3b - Budget by Funding Source

Portfolio Budget (Before Carryover)	2024 Budget	2024 %Allocation	2025 Budget	2025 %Allocation	2026 Budget	2026 %Allocation	2027 Budget	2027 %Allocation	2028 Budget	2028 %Allocation	2029 Budget	2029 %Allocation	2030 Budget	2030 %Allocation	2031 Budget
Electric Procurement EE Funds	$ 9,511,632	60%	$ 19,653,441	60%	$ 21,618,786	60%	$ 23,780,664	60%	$ 24,731,893	60%	$ 25,721,170	60%	$ 26,750,013	60%	$ 27,820,016
Gas PPP Surcharge Funds	$ 6,341,088	40%	$ 13,102,294	40%	$ 14,412,524	40%	$ 15,853,776	40%	$ 16,487,928	40%	$ 17,147,446	40%	$ 17,833,342	40%	$ 18,546,677
Total Funds	**$ 15,852,720**		**$ 32,755,736**		**$ 36,031,310**		**$ 39,634,441**		**$ 41,219,821**		**$ 42,868,616**		**$ 44,583,355**		**$ 46,366,693**

Table 3c - Revenue Requirement for Cost Recovery by Funding Source

Authorized Funding in Rates (including Unspent/Uncommitted Funds)	2024 Revenue	2024 %Allocation after	2025 Revenue	2025 %Allocation after	2026 Revenue	2026 %Allocation after	2027 Revenue	2027 %Allocation after	2028 Revenue	2028 %Allocation after	2029 Revenue	2029 %Allocation after	2030 Revenue	2030 %Allocation after	2031 Revenue
Electric Procurement EE Funds	$ 9,511,632	60%	$ 19,653,441	60%	$ 21,618,786	60%	$ 23,780,664	60%	$ 24,731,893	60%	$ 25,721,170	60%	$ 26,750,013	60%	$ 27,820,016
Gas PPP Surcharge Funds	$ 6,341,088	40%	$ 13,102,294	40%	$ 14,412,524	40%	$ 15,853,776	40%	$ 16,487,928	40%	$ 17,147,446	40%	$ 17,833,342	40%	$ 18,546,677
Total Funds	**$ 15,852,720**		**$ 32,755,736**		**$ 36,031,310**		**$ 39,634,441**		**$ 41,219,821**		**$ 42,868,616**		**$ 44,583,355**		**$ 46,366,693**

Table 3d - Unspent/Uncommitted Carryover Funds (in positive $ amounts)

	2024			2025			2026			2027			2028		
Program Unspent/Uncommitted Funds	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**
Pre-2020	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

	2024			2025			2026			2027			2028		
EM&V Unspent/Uncommitted Funds	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**
Pre-2020	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

	2024			2025			2026			2027			2028		
Total Unspent/Uncommitted Funds	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**
Pre-2020	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Notes on Table 3d
Any actual uncommitted/unspent funds for 2023 will be trued-up in the IOU's respective electric and gas PPP annual rates advice letter for 2023.
2 These funds are assigned to CEC AB 841

Table 3e - Total Requested 2022-2023 Portfolio Budgets - Demand Response &

	2024				2025				2026				2027		
	Demand Response	**Energy Efficiency**			**Demand Response**	**Energy Efficiency**			**Demand Response**	**Energy Efficiency**			**Demand Response**	**Energy Efficiency**	
	Electric Demand	**Electric Energy**	**Natural Gas Public**	**Total Energy Efficiency**	**Electric Demand**	**Electric Energy**	**Natural Gas Public**	**Total Energy**	**Electric Demand**	**Electric Energy**	**Natural Gas Public**	**Total Energy**	**Electric Demand**	**Electric Energy**	**Natural Gas Public**
Program Funds - PA [4]	$ -	$ 9,145,800	$ 6,097,200	$ 15,243,000	$ -	$ 18,897,540	$ 12,598,360	$ 31,495,900	$ -	$ 20,787,294	$ 13,858,196	$ 34,645,490	$ -	$ 22,866,024	$ 15,244,016
Program Funds - CEC [5]															
Program Funds - REN [5]		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -
Program Funds - CCA [5]		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -
EM&V [3]		$ 365,832	$ 243,888	$ 609,720		$ 755,902	$ 503,934	$ 1,259,836		$ 831,492	$ 554,328	$ 1,385,820		$ 914,641	$ 609,761
Budget Total	**$ -**	**$ 9,511,632**	**$ 6,341,088**	**$ 15,852,720**	**$ -**	**$ 19,653,441**	**$ 13,102,294**	**$ 32,755,736**	**$ -**	**$ 21,618,786**	**$ 14,412,524**	**$ 36,031,310**	**$ -**	**$ 23,780,665**	**$ 15,853,777**

Notes:
1 Authorized budget excludes reductions from past unspent funds, carryover and is consistent with funding approved in D. 09-09-047, D. 12-11-015, D.14-10-046 and D.15-10-028, D.18-05-041 and D.21-01-004. CEC AB 841 program ends in 2023.
2 REN and CCA information provided by all RENS and CCAs and is consistent with their respective ABALs.
3 This represent total IOU+CCA+REN EM&V
4 Program Funds represents the total program budget, excluding EM&V.
5 only the IOU completes this line and should be consistent table 7.

ing Source

Table 3a - PA Spending Budget Request by Funding Source

PA EE Programs and EM&V
Annual PA Spending Budget Request (Program and EM&V total)
CEC AB 841 Program Budget Request
Applicable percentage of difference between funding limitation and 2020 budget (70% for
Plus 2020 and Beyond Uncommitted and Unspent Carryover Balance
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)

1 Applicable percentage is 70% for 2022 and 60% for 2023.

Table 3b - Budget by Funding Source

Portfolio Budget (Before Carryover)	2031 %Allocation
Electric Procurement EE Funds	60%
Gas PPP Surcharge Funds	40%
Total Funds	

Table 3c - Revenue Requirement for Cost Recovery by Funding Source

Authorized Funding in Rates (including Unspent/Uncommitted Funds)	2031 %Allocation after
Electric Procurement EE Funds	60%
Gas PPP Surcharge Funds	40%
Total Funds	

Table 3d - Unspent/Uncommitted Carryover Funds (in positive $ amounts)

	2029			2030			2031		
Program Unspent/Uncommitted Funds	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**
Pre-2020	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

	2029			2030			2031		
EM&V Unspent/Uncommitted Funds	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**
Pre-2020	$ -	$ -		$ -	$ -		$ -	$ -	
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

	2029			2030			2031		
Total Unspent/Uncommitted Funds	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**
Pre-2020	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2020 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2021 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2022 [2]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Notes on Table 3d

Any actual uncommitted/unspent funds for 2023 will be trued-up in the IOU's respectiv

2 These funds are assigned to CEC AB 841

Table 3e - Total Requested 2022-2023 Portfolio Budgets - Demand Response &

		2028				2029				2030				2031			
		Demand	Energy Efficiency			Demand	Energy Efficiency			Demand	Energy Efficiency			Demand	Energy Efficiency		
	Total Energy	Electric	Electric Energy	Natural Gas	Total Energy	Electric	Electric Energy	Natural Gas	Total Energy	Electric	Electric Energy	Natural Gas	Total Energy	Electric	Electric Energy	Natural Gas	Total Energy
Program Funds - PA [4]	$ 38,110,039	$ -	$ 23,780,666	$ 15,853,777	$ 39,634,443	$ -	$ 24,731,894	$ 16,487,929	$ 41,219,823	$ -	$ 25,721,166	$ 17,147,444	$ 42,868,610	$ -	$ 26,750,015	$ 17,833,343	$ 44,583,358
Program Funds - CEC [5]																	
Program Funds - REN [5]	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -
Program Funds - CCA [5]	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -		$ -	$ -	$ -
EM&V [3]	$ 1,524,402		$ 951,227	$ 634,151	$ 1,585,378		$ 989,276	$ 659,517	$ 1,648,793		$ 1,028,847	$ 685,898	$ 1,714,745		$ 1,070,001	$ 713,334	$ 1,783,335
Budget Total	**$ 39,634,441**	**$ -**	**$ 24,731,893**	**$ 16,487,928**	**$ 41,219,821**	**$ -**	**$ 25,721,170**	**$ 17,147,446**	**$ 42,868,616**	**$ -**	**$ 26,750,013**	**$ 17,833,342**	**$ 44,583,355**	**$ -**	**$ 27,820,016**	**$ 18,546,677**	**$ 46,366,693**

Notes:

1 Authorized budget excludes reductions from past unspent funds, carryover and is consistent w
10-028, D.18-05-041 and D.21-01-004. CEC AB 841 program ends in 2023.

2 REN and CCA information provided by all RENS and CCAs and is consistent with their respectiv

3 This represent total IOU+CCA+REN EM&V

4 Program Funds represents the total program budget, excluding EM&V.

5 only the IOU completes this line and should be consistent table 7.

Pa Name: SDREN
Budget Year: 2024-2027
(report budgets to the $–do not round)

Table 4 – Budget, Spent, Unspent, Carryover Details

Sort by Segment

New/Existing Program #	Discontinued Program #	Program Name	Target Exempt	Program Type	Business Sector	Portfolio Segment	2024 Administrative	2024 Marketing/ Outreach	2024 Direct Implementation Non-Incentive	2024 Incentive/ Rebate	2024 PA Spending Budget Request	2024 PA Pre-2020 Uncommitted and Unspent Carryover Balance	2024 PA Revenue Requirement Request	2024 First Year Net KWH	2024 First Year Net KW	2024 First Year Net Therms (MM)	2024 First Year Net Electric CO2e	2024 First Year Net Gas CO2e
SDREN-01-WET-EPP		Energy Pathways Program	Yes	Local Third Party	WE&T	Market Support	$ -	$ 56,040	$ 784,560	$ -	$ 840,600	$ -	$ 840,600	0.00	0.00	0.00	0.00	0.00
SDREN-02-WET-BRC		Workforce Training & Capacity Building	Yes	Local Third Party	WE&T	Market Support	$ -	$ 91,080	$ 1,275,120	$ -	$ 1,366,200	$ -	$ 1,366,200	0.00	0.00	0.00	0.00	0.00
SDREN-01-RES-MFM		Multifamily	No	Local Third Party	Residential	Equity	$ -	$ 92,940	$ 1,301,160	$ -	$ 1,394,100	$ -	$ 1,394,100	0.00	0.00	0.00	0.00	0.00
SDREN-02-RES-SFM		Single-Family	No	Local Third Party	Residential	Equity	$ -	$ 174,240	$ 2,439,360	$ -	$ 2,613,600	$ -	$ 2,613,600	0.00	0.00	0.00	0.00	0.00
SDREN-01-PUB-CRL		Climate Resilience Leadership	No	Local Third Party	Public	Market Support	$ -	$ 163,920	$ 2,294,880	$ -	$ 2,458,800	$ -	$ 2,458,800	0.00	0.00	0.00	0.00	0.00
SDREN-02-PUB-TRE		Tribal Engagement	Yes	Local Third Party	Public	Equity	$ -	$ 14,040	$ 196,560	$ -	$ 210,600	$ -	$ 210,600	0.00	0.00	0.00	0.00	0.00
SDREN-01-COM-SMB		SMB Energy Coach	No	Local Third Party	Commercial	Equity	$ -	$ 84,120	$ 1,177,680	$ -	$ 1,261,800	$ -	$ 1,261,800	0.00	0.00	0.00	0.00	0.00
SDREN-02-COM-ERF		Efficient Refrigeration	No	Local Third Party	Commercial	Equity	$ -	$ 56,040	$ 784,560	$ -	$ 840,600	$ -	$ 840,600	0.00	0.00	0.00	0.00	0.00
SDREN-03-COM-MAP		Market Access Program	No	Local Third Party	Commercial	Resource Acquisition	$ -	$ 126,120	$ 1,765,680	$ -	$ 1,891,800	$ -	$ 1,891,800	0.00	0.00	0.00	0.00	0.00
SDREN-01-CS-CSS		Codes & Standards	Yes	Local Third Party	Codes & Standards	Codes & Standards	$ -	$ 56,040	$ 784,560	$ -	$ 840,600	$ -	$ 840,600	0.00	0.00	0.00	0.00	0.00
SDREN_CS_PortfolioSupport		Codes & Standards Portfolio Support	Yes	Core PA	Portfolio Support	Codes & Standards	$ 93,400	$ -	$ -	$ -	$ 93,400	$ -	$ 93,400	0.00	0.00	0.00	0.00	0.00
SDREN_RA_PortfolioSupport		Resource Acquisition Portfolio Support	Yes	Core PA	Portfolio Support	Resource Acquisition	$ 210,200	$ -	$ -	$ -	$ 210,200	$ -	$ 210,200	0.00	0.00	0.00	0.00	0.00
SDREN_MS_PortfolioSupport		Market Support Portfolio Support	Yes	Core PA	Portfolio Support	Market Support	$ 518,400	$ -	$ -	$ -	$ 518,400	$ -	$ 518,400	0.00	0.00	0.00	0.00	0.00
SDREN_EQ_PortfolioSupport		Equity Portfolio Support	Yes	Core PA	Portfolio Support	Equity	$ 702,300	$ -	$ -	$ -	$ 702,300	$ -	$ 702,300	0.00	0.00	0.00	0.00	0.00
											$ -		$ -					
		PA PROGRAM TOTAL					**$ 1,524,300**	**$ 914,580**	**$ 12,804,120**	**$ -**	**$ 15,243,000**	**$ -**	**$ 15,243,000**	**-**	**-**	**-**	**-**	**-**
		EM&V (PA & ED Portions) Total [5]																
		EM&V - PA									$ 167,673		$ 167,673					
		EM&V - ED									$ 442,047		$ 442,047					
		EM&V TOTAL									**$ 609,720**	**$ -**	**$ 609,720**					
		PA Program and EM&V Total					**$ 1,524,300**	**$ 914,580**	**$ 12,804,120**	**$ -**	**$ 15,852,720**	**$ -**	**$ 15,852,720**	**-**	**-**	**-**	**-**	**-**
		CEC AB 841 Program Budget–IOU PA only																
		Applicable Annual % of difference between funding limitation & 2020 EE																
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance																
		CEC AB 841 Total																
		PA Spending Budget Request (PA Program and EM&V + CEC AB 841)					**$ 1,524,300**	**$ 914,580**	**$ 12,804,120**	**$ -**	**$ 15,852,720**	**$ -**	**$ 15,852,720**	**-**	**-**	**-**	**-**	**-**
		Financing Pilot Programs																
											$ -		$ -					
											$ -		$ -					
											$ -		$ -					
											$ -		$ -					
											$ -		$ -					
											$ -		$ -					
		Financing Pilot Programs Total					**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**-**	**-**	**-**	**-**	**-**
		ME&O & ESA																
		ME&O[1]									$ -		$ -					
		ESA[2]									$ -		$ -					
											$ -		$ -					

Notes: (PA to add as needed, e.g., relevant advice letter references, decision references and any other needed explanations.)
1. ME&O requested budget for 2021 per AL 3498-E/3835-G.
2. SDG&E Financing Administrative cost is per AL 3451-E-A/2818-G.
3. Per D.21-01-xxx, percentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calculation is $116-80.
4 Add footnote on Non-EE budgeted overheads.
[5] For all PAs, EM&V costs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
ˇ PAs have the option of inputting by program or by total

SDREN
2024-2027
$–do not round)

Spent, Unspent, Carryover Details

New/Existing Program #	Discontinued Program #	Program Name	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
SDREN-01-WET-EPP		Energy Pathways Program	0.00	0.00	0.00	0.00	0.00
SDREN-02-WET-BRC		Workforce Training & Capacity Building	0.00	0.00	0.00	0.00	0.00
SDREN-01-RES-MFM		Multifamily	0.00	0.00	0.00	0.00	0.00
SDREN-02-RES-SFM		Single-Family	0.00	0.00	0.00	0.00	0.00
SDREN-01-PUB-CRL		Climate Resilience Leadership	0.00	0.00	0.00	0.00	0.00
SDREN-02-PUB-TRE		Tribal Engagement	0.00	0.00	0.00	0.00	0.00
SDREN-01-COM-SMB		SMB Energy Coach	0.00	0.00	0.00	0.00	0.00
SDREN-02-COM-ERF		Efficient Refrigeration	0.00	0.00	0.00	0.00	0.00
SDREN-03-COM-MAP		Market Access Program	0.00	0.00	0.00	0.00	0.00
SDREN-01-CS-CSS		Codes & Standards	0.00	0.00	0.00	0.00	0.00
SDREN_CS_PortfolioSupport		Codes & Standards Portfolio Support	0.00	0.00	0.00	0.00	0.00
SDREN_RA_PortfolioSupport		Resource Acquisition Portfolio Support	0.00	0.00	0.00	0.00	0.00
SDREN_MS_PortfolioSupport		Market Support Portfolio Support	0.00	0.00	0.00	0.00	0.00
SDREN_EQ_PortfolioSupport		Equity Portfolio Support	0.00	0.00	0.00	0.00	0.00
		PA PROGRAM TOTAL	-	-	-	-	-
		EM&V (PA & ED Portions) Total [5]					
		EM&V - PA					
		EM&V - ED					
		EM&V TOTAL					
		PA Program and EM&V Total	-	-	-	-	-
		CEC AB 841 Program Budget–IOU PA only					
		Applicable Annual % of difference between funding limitation & 2020 EE					
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance					
		CEC AB 841 Total					
		PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	-	-	-	-	-

		Financing Pilot Programs					
		Financing Pilot Programs Total	-	-	-	-	-

		ME&O & ESA					
		ME&O[7]					
		ESA2					

ıeeded, e.g., relevant advice letter references, decision references and any other needed explanations.)
ıdget for 2021 per AL 3498-E/3835-G.
ıdministrative cost is per AL 3451-E-A/2818-G.
rcentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calculation is $116-80.
ı-EE budgeted overheads.
ıs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
of inputting by program or by total

SDREN
2024-2027
$–do not round)

Spent, Unspent, Carryover Details

New/Existing Program #	Discontinued Program #	Program Name	2025 Administrative	2025 Marketing/ Outreach	2025 Direct Implementation Non-Incentive	2025 Incentive/Rebate	2025 PA Spending Budget Request	2025 PA Pre-2020 Uncommitted and Unspent Carryover Balance	2025 PA Revenue Requirement Request	2025 First Year Net KWH	2025 First Year Net KW	2025 First Year Net Therms (MM)	2025 First Year Net Electric CO2e	2025 First Year Net Gas CO2e	2025 Lifecycle Net KWH	2025 Lifecycle Net Therms (MM)	2025 Lifecycle Net Electric CO2e	2025 Lifecycle Net Gas CO2e	2025 Lifecycle Net CO2e from low-GWP Measures	Administrative
SDREN-01-WET-EPP		Energy Pathways Program	$ -	$ 115,830	$ 1,621,620	$ -	$ 1,737,450	$ -	$ 1,737,450	-	-	-	-	-	-	-	-	-	-	
SDREN-02-WET-BRC		Workforce Training & Capacity Building	$ -	$ 188,220	$ 2,635,080	$ -	$ 2,823,300	$ -	$ 2,823,300	-	-	-	-	-	-	-	-	-	-	
SDREN-01-RES-MFM		Multifamily	$ -	$ 134,170	$ 852,375	$ 1,893,455	$ 2,880,000	$ -	$ 2,880,000	(118,771.54)	-	23,356.00	(38.31)	124.02	(1,188,895.64)	242,113.91	(360.40)	1,285.62	-	
SDREN-02-RES-SFM		Single-Family	$ -	$ 273,481	$ 1,679,957	$ 3,446,562	$ 5,400,000	$ -	$ 5,400,000	(358,243.53)	-	52,250.00	(116.13)	277.45	(3,734,895.63)	543,883.71	(1,142.07)	2,888.02	-	
SDREN-01-PUB-CRL		Climate Resilience Leadership	$ -	$ 211,017	$ 2,938,498	$ 1,931,435	$ 5,080,950	$ -	$ 5,080,950	101,715.83	86.00	125,319.00	28.10	665.44	(1,917,423.07)	1,297,849.54	(603.37)	6,891.58	-	
SDREN-02-PUB-TRE		Tribal Engagement	$ -	$ 28,956	$ 405,384	$ -	$ 434,340	$ -	$ 434,340	-	-	-	-	-	-	-	-	-	-	
SDREN-01-COM-SMB		SMB Energy Coach	$ -	$ 134,128	$ 1,867,775	$ 604,227	$ 2,606,130	$ -	$ 2,606,130	852,452.10	110.00	18.00	267.40	0.09	3,880,434.60	36.53	1,231.30	0.19	-	
SDREN-02-COM-ERF		Efficient Refrigeration	$ -	$ 77,825	$ 462,625	$ 1,197,000	$ 1,737,450	$ -	$ 1,737,450	54,036.00	7.00	(155.00)	17.38	(0.82)	648,432.00	(1,860.48)	191.24	(9.88)	-	
SDREN-03-COM-MAP		Market Access Program	$ -	$ 232,075	$ 1,425,608	$ 2,251,557	$ 3,909,240	$ -	$ 3,909,240	3,333,474.17	-	-	1,143.28	-	37,668,258.08	-	11,724.35	-	-	
SDREN-01-CS-CSS		Codes & Standards	$ -	$ 115,830	$ 1,621,620	$ -	$ 1,737,450	$ -	$ 1,737,450	-	-	-	-	-	-	-	-	-	-	
SDREN_CS_PortfolioSupport		Codes & Standards Portfolio Support	$ 193,050	$ -	$ -	$ -	$ 193,050	$ -	$ 193,050	-	-	-	-	-	-	-	-	-	-	$ 212,355
SDREN_RA_PortfolioSupport		Resource Acquisition Portfolio Support	$ 434,360	$ -	$ -	$ -	$ 434,360	$ -	$ 434,360	-	-	-	-	-	-	-	-	-	-	$ 477,796
SDREN_MS_PortfolioSupport		Market Support Portfolio Support	$ 1,071,300	$ -	$ -	$ -	$ 1,071,300	$ -	$ 1,071,300	-	-	-	-	-	-	-	-	-	-	$ 1,178,430
SDREN_EQ_PortfolioSupport		Equity Portfolio Support	$ 1,450,880	$ -	$ -	$ -	$ 1,450,880	$ -	$ 1,450,880	-	-	-	-	-	-	-	-	-	-	$ 1,595,968
							$ -		$ -											
		PA PROGRAM TOTAL	**$ 3,149,590**	**$ 1,511,532**	**$ 15,510,542**	**$ 11,324,236**	**$ 31,495,900**	**$ -**	**$ 31,495,900**	**3,864,663.03**	**203.00**	**200,788.00**	**1,301.74**	**1,066.18**	**35,355,910.33**	**2,082,023.22**	**11,041.06**	**11,055.54**	**-**	**$ 3,464,549**
		EM&V (PA & ED Portions) Total [5]																		
		EM&V - PA					$ 346,455		$ 346,455											
		EM&V - ED					$ 913,381		$ 913,381											
		EM&V TOTAL					**$ 1,259,836**	**$ -**	**$ 1,259,836**											
		PA Program and EM&V Total	**$ 3,149,590**	**$ 1,511,532**	**$ 15,510,542**	**$ 11,324,236**	**$ 32,755,736**	**$ -**	**$ 32,755,736**	**3,864,663.03**	**203.00**	**200,788.00**	**1,301.74**	**1,066.18**	**35,355,910.33**	**2,082,023.22**	**11,041.06**	**11,055.54**	**-**	**$ 3,464,549**
		CEC AB 841 Program Budget–IOU PA only																		
		Applicable Annual % of difference between funding limitation & 2020 EE																		
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance																		
		CEC AB 841 Total																		
		PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	**$ 3,149,590**	**$ 1,511,532**	**$ 15,510,542**	**$ 11,324,236**	**$ 32,755,736**	**$ -**	**$ 32,755,736**	**3,864,663.03**	**203.00**	**200,788.00**	**1,301.74**	**1,066.18**	**35,355,910.33**	**2,082,023.22**	**11,041.06**	**11,055.54**	**-**	**$ 3,464,549**
		Financing Pilot Programs																		
							$ -		$ -											
							$ -		$ -											
							$ -		$ -											
							$ -		$ -											
							$ -		$ -											
							$ -		$ -											
		Financing Pilot Programs Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**$ -**
		ME&O & ESA																		
		ME&O					$ -		$ -											
		ESA2					$ -		$ -											
							$ -		$ -											

ıeeded, e.g., relevant advice letter references, decision references and any other needed explanations.)
ıdget for 2021 per AL 3498-E/3835-G.
ıdministrative cost is per AL 3451-E-A/2818-G.
rcentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calculation is $116-80.
ı-EE budgeted overheads.
ıs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
of inputting by program or by total

SDREN
2024-2027
$–do not round)

Spent, Unspent, Carryover Details

			2026															
New/Existing Program #	Discontinued Program #	Program Name	Marketing/ Outreach	Direct Implementation Non-Incentive	Incentive/Rebate	2026 PA Spending Budget Request	2026 PA Pre-2020 Uncommitted and Unspent Carryover Balance	2026 PA Revenue Requirement Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
SDREN-01-WET-EPP		Energy Pathways Program	$ 110,849	$ 1,800,346	$ -	$ 1,911,195	$ -	$ 1,911,195	-	-	-	-	-	-	-	-	-	-
SDREN-02-WET-BRC		Workforce Training & Capacity Building	$ 180,126	$ 2,925,504	$ -	$ 3,105,630	$ -	$ 3,105,630	-	-	-	-	-	-	-	-	-	-
SDREN-01-RES-MFM		Multifamily	$ 123,115	$ 902,845	$ 2,142,040	$ 3,168,000	$ -	$ 3,168,000	(128,562.83)	-	25,319.00	(43.38)	134.44	(1,287,143.16)	262,213.05	(382.63)	1,392.35	-
SDREN-02-RES-SFM		Single-Family	$ 268,760	$ 1,522,976	$ 4,148,264	$ 5,940,000	$ -	$ 5,940,000	(411,791.52)	-	60,060.00	(139.59)	318.92	(4,293,164.37)	625,179.98	(1,289.78)	3,319.71	-
SDREN-01-PUB-CRL		Climate Resilience Leadership	$ 359,414	$ 2,793,342	$ 2,436,289	$ 5,589,045	$ -	$ 5,589,045	120,809.38	103.00	150,518.00	35.79	799.25	(2,313,397.46)	1,558,772.33	(712.16)	8,277.08	-
SDREN-02-PUB-TRE		Tribal Engagement	$ 27,711	$ 450,063	$ -	$ 477,774	$ -	$ 477,774	-	-	-	-	-	-	-	-	-	-
SDREN-01-COM-SMB		SMB Energy Coach	$ 162,283	$ 2,030,741	$ 673,719	$ 2,866,743	$ -	$ 2,866,743	907,288.20	117.00	19.00	298.87	0.10	4,130,053.20	38.88	1,280.85	0.21	-
SDREN-02-COM-ERF		Efficient Refrigeration	$ 32,471	$ 527,374	$ 1,351,350	$ 1,911,195	$ -	$ 1,911,195	58,230.90	7.00	(167.00)	19.60	(0.89)	698,770.80	(2,004.91)	201.96	(10.65)	-
SDREN-03-COM-MAP		Market Access Program	$ 172,198	$ 975,788	$ 3,152,178	$ 4,300,164	$ -	$ 4,300,164	4,444,629.66	-	-	1,553.47	-	50,224,315.11	-	15,383.44	-	-
SDREN-01-CS-CSS		Codes & Standards	$ 110,849	$ 1,800,346	$ -	$ 1,911,195	$ -	$ 1,911,195	-	-	-	-	-	-	-	-	-	-
SDREN_CS_PortfolioSupport		Codes & Standards Portfolio Support	$ -	$ -	$ -	$ 212,355	$ -	$ 212,355	-	-	-	-	-	-	-	-	-	-
SDREN_RA_PortfolioSupport		Resource Acquisition Portfolio Support	$ -	$ -	$ -	$ 477,796	$ -	$ 477,796	-	-	-	-	-	-	-	-	-	-
SDREN_MS_PortfolioSupport		Market Support Portfolio Support	$ -	$ -	$ -	$ 1,178,430	$ -	$ 1,178,430	-	-	-	-	-	-	-	-	-	-
SDREN_EQ_PortfolioSupport		Equity Portfolio Support	$ -	$ -	$ -	$ 1,595,968	$ -	$ 1,595,968	-	-	-		-	-	-	-	-	-
						$ -		$ -										
		PA PROGRAM TOTAL	**$ 1,547,776**	**$ 15,729,325**	**$ 13,903,840**	**$ 34,645,490**	**$ -**	**$ 34,645,490**	**4,990,603.79**	**227.00**	**235,749.00**	**1,724.76**	**1,251.83**	**47,159,434.13**	**2,444,199.32**	**14,481.68**	**12,978.70**	**-**
		EM&V (PA & ED Portions) Total [5]																
		EM&V - PA				$ 381,101		$ 381,101										
		EM&V - ED				$ 1,004,720		$ 1,004,720										
		EM&V TOTAL				**$ 1,385,820**	**$ -**	**$ 1,385,820**										
		PA Program and EM&V Total	**$ 1,547,776**	**$ 15,729,325**	**$ 13,903,840**	**$ 36,031,310**	**$ -**	**$ 36,031,310**	**4,990,603.79**	**227.00**	**235,749.00**	**1,724.76**	**1,251.83**	**47,159,434.13**	**2,444,199.32**	**14,481.68**	**12,978.70**	**-**
		CEC AB 841 Program Budget–IOU PA only																
		Applicable Annual % of difference between funding limitation & 2020 EE																
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance																
		CEC AB 841 Total																
		PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	**$ 1,547,776**	**$ 15,729,325**	**$ 13,903,840**	**$ 36,031,310**	**$ -**	**$ 36,031,310**	**4,990,603.79**	**227.00**	**235,749.00**	**1,724.76**	**1,251.83**	**47,159,434.13**	**2,444,199.32**	**14,481.68**	**12,978.70**	**-**

		Financing Pilot Programs																
						$ -		$ -										
						$ -		$ -										
						$ -		$ -										
						$ -		$ -										
						$ -		$ -										
						$ -		$ -										
		Financing Pilot Programs Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		ME&O & ESA																
		ME&O				$ -		$ -										
		ESA2				$ -		$ -										
						$ -		$ -										

ıeeded, e.g., relevant advice letter references, decision references and any other needed explanations.)
ıdget for 2021 per AL 3498-E/3835-G.
ıdministrative cost is per AL 3451-E-A/2818-G.
rcentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calculation is $116-80.
ı-EE budgeted overheads.
ıs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
of inputting by program or by total

SDREN
2024-2027
$–do not round)

Spent, Unspent, Carryover Details

New/Existing Program #	Discontinued Program #	Program Name	2027 Administrative	2027 Marketing/ Outreach	2027 Direct Implementation Non-Incentive	2027 Incentive/Rebate	2027 PA Spending Budget Request	2027 PA Pre-2020 Uncommitted and Unspent Carryover Balance	2027 PA Revenue Requirement Request	2027 First Year Net KWH	2027 First Year Net KW	2027 First Year Net Therms (MM)	2027 First Year Net Electric CO2e	2027 First Year Net Gas CO2e	2027 Lifecycle Net KWH	2027 Lifecycle Net Therms (MM)	2027 Lifecycle Net Electric CO2e	2027 Lifecycle Net Gas CO2e	2027 Lifecycle Net CO2e from low-GWP Measures
SDREN-01-WET-EPP		Energy Pathways Program	$ -	$ 134,490	$ 1,967,825	$ -	$ 2,102,315	$ -	$ 2,102,315	-	-	-	-	-	-	-	-	-	-
SDREN-02-WET-BRC		Workforce Training & Capacity Building	$ -	$ 218,537	$ 3,197,656	$ -	$ 3,416,193	$ -	$ 3,416,193	-	-	-	-	-	-	-	-	-	-
SDREN-01-RES-MFM		Multifamily	$ -	$ 157,295	$ 823,928	$ 2,503,577	$ 3,484,800	$ -	$ 3,484,800	(140,177.33)	-	27,681.00	(47.85)	146.98	(1,403,197.90)	287,133.07	(406.16)	1,524.68	-
SDREN-02-RES-SFM		Single-Family	$ -	$ 279,880	$ 1,432,680	$ 4,821,441	$ 6,534,000	$ -	$ 6,534,000	(454,026.55)	-	66,221.00	(155.62)	351.63	(4,733,489.01)	689,300.97	(1,387.79)	3,660.19	-
SDREN-01-PUB-CRL		Climate Resilience Leadership	$ -	$ 276,613	$ 2,796,215	$ 3,075,121	$ 6,147,950	$ -	$ 6,147,950	142,470.40	124.00	180,889.00	43.72	960.52	(2,799,664.50)	1,873,209.77	(834.91)	9,946.74	-
SDREN-02-PUB-TRE		Tribal Engagement	$ -	$ 33,612	$ 491,939	$ -	$ 525,551	$ -	$ 525,551	-	-	-	-	-	-	-	-	-	-
SDREN-01-COM-SMB		SMB Energy Coach	$ -	$ 194,250	$ 2,220,594	$ 738,573	$ 3,153,417	$ -	$ 3,153,417	943,180.92	122.00	20.00	315.34	0.10	4,293,439.92	40.42	1,293.14	0.21	-
SDREN-02-COM-ERF		Efficient Refrigeration	$ -	$ 97,161	$ 478,826	$ 1,526,328	$ 2,102,315	$ -	$ 2,102,315	62,368.92	8.00	(179.00)	21.22	(0.95)	748,427.04	(2,147.39)	210.64	(11.40)	-
SDREN-03-COM-MAP		Market Access Program	$ -	$ 186,618	$ 941,069	$ 3,602,493	$ 4,730,180	$ -	$ 4,730,180	4,837,696.94	-	-	1,581.26	-	54,665,975.45	-	16,428.65	-	-
SDREN-01-CS-CSS		Codes & Standards	$ -	$ 134,490	$ 1,967,825	$ -	$ 2,102,315	$ -	$ 2,102,315	-	-	-	-	-	-	-	-	-	-
SDREN_CS_PortfolioSupport		Codes & Standards Portfolio Support	$ 233,591	$ -	$ -	$ -	$ 233,591	$ -	$ 233,591	-	-	-	-	-	-	-	-	-	-
SDREN_RA_PortfolioSupport		Resource Acquisition Portfolio Support	$ 525,575	$ -	$ -	$ -	$ 525,575	$ -	$ 525,575	-	-	-	-	-	-	-	-	-	-
SDREN_MS_PortfolioSupport		Market Support Portfolio Support	$ 1,296,273	$ -	$ -	$ -	$ 1,296,273	$ -	$ 1,296,273	-	-	-	-	-	-	-	-	-	-
SDREN_EQ_PortfolioSupport		Equity Portfolio Support	$ 1,755,565	$ -	$ -	$ -	$ 1,755,565	$ -	$ 1,755,565	-	-	-	-	-	-	-	-	-	-
							$ -		$ -										
		PA PROGRAM TOTAL	**$ 3,811,004**	**$ 1,712,945**	**$ 16,318,557**	**$ 16,267,533**	**$ 38,110,039**	**$ -**	**$ 38,110,039**	**5,391,513.30**	**254.00**	**274,632.00**	**1,758.07**	**1,458.29**	**50,771,491.01**	**2,847,536.85**	**15,303.57**	**15,120.42**	**-**
		EM&V (PA & ED Portions) Total [5]																	
		EM&V - PA					$ 419,211		$ 419,211										
		EM&V - ED					$ 1,105,191		$ 1,105,191										
		EM&V TOTAL					**$ 1,524,402**	**$ -**	**$ 1,524,402**										
		PA Program and EM&V Total	**$ 3,811,004**	**$ 1,712,945**	**$ 16,318,557**	**$ 16,267,533**	**$ 39,634,441**	**$ -**	**$ 39,634,441**	**5,391,513.30**	**254.00**	**274,632.00**	**1,758.07**	**1,458.29**	**50,771,491.01**	**2,847,536.85**	**15,303.57**	**15,120.42**	**-**
		CEC AB 841 Program Budget–IOU PA only																	
		Applicable Annual % of difference between funding limitation & 2020 EE																	
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance																	
		CEC AB 841 Total																	
		PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	**$ 3,811,004**	**$ 1,712,945**	**$ 16,318,557**	**$ 16,267,533**	**$ 39,634,441**	**$ -**	**$ 39,634,441**	**5,391,513.30**	**254.00**	**274,632.00**	**1,758.07**	**1,458.29**	**50,771,491.01**	**2,847,536.85**	**15,303.57**	**15,120.42**	**-**
		Financing Pilot Programs																	
							$ -		$ -										
							$ -		$ -										
							$ -		$ -										
							$ -		$ -										
							$ -		$ -										
							$ -		$ -										
		Financing Pilot Programs Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		ME&O & ESA																	
		ME&O					$ -		$ -										
		ESA2					$ -		$ -										
							$ -		$ -										

ıeeded, e.g., relevant advice letter references, decision references and any other needed explanations.)
ıdget for 2021 per AL 3498-E/3835-G.
ıdministrative cost is per AL 3451-E-A/2818-G.
rcentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calculation is $116-80.
ı-EE budgeted overheads.
ıs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
of inputting by program or by total

Pa Name: SDREN
Budget Year: 2028-2031
(report budgets to the $--do not round)
Table 4 – Budget, Spent, Unspent, Carryover Details

							2028										
New/Existing Program #	Discontinued Program #	Sector Name	Business Sector	Portfolio Segment	2027 PA Spending Budget Request	Baseline Percentage increase	2028 PA Spending Budget Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
		Residential	Residential	Resource Acquisition	$ -	#DIV/0!											
		Commercial	Commercial	Resource Acquisition	$ 5,255,756	4.0%	$ 5,465,985	4,755,927.00	-	-	1,532.00	-	53,741,973.00	-	16,088.00	-	-
		Industrial	Industrial	Resource Acquisition	$ -	#DIV/0!											
		Agricultural	Agricultural	Resource Acquisition	$ -	#DIV/0!											
		Emerging Tech	Emerging Tech	Resource Acquisition	$ -	#DIV/0!											
		Public	Public	Resource Acquisition	$ -	#DIV/0!											
		WE&T	WE&T	Resource Acquisition	$ -	#DIV/0!											
		Finance	Finance	Resource Acquisition	$ -	#DIV/0!											
		OBF Loan Pool	OBF Loan Pool	Resource Acquisition	$ -	#DIV/0!											
		Residential	Residential	Market Support	$ -	#DIV/0!											
		Commercial	Commercial	Market Support	$ -	#DIV/0!											
		Industrial	Industrial	Market Support	$ -	#DIV/0!											
		Agricultural	Agricultural	Market Support	$ -	#DIV/0!											
		Emerging Tech	Emerging Tech	Market Support	$ -	#DIV/0!											
		Public	Public	Market Support	$ 6,831,056	4.0%	$ 7,104,298	140,062.00	122.00	177,832.00	45.00	944.00	(2,752,342.00)	1,841,547.00	(839.00)	9,779.00	-
		WE&T	WE&T	Market Support	$ 6,131,675	4.0%	$ 6,376,944										
		Finance	Finance	Market Support	$ -	#DIV/0!											
		OBF Loan Pool	OBF Loan Pool	Market Support	$ -	#DIV/0!											
		Residential	Residential	Equity	$ 10,018,800	15.6%	$ 11,577,280	(584,161.00)		92,314.00	(185.00)	490.00	(6,032,961.00)	959,930.00	(1,697.00)	5,097.00	-
		Commercial	Commercial	Equity	$ 5,255,732	15.6%	$ 6,073,291	988,553.00	128.00	(157.00)	313.00	(1.00)	4,956,646.00	(2,071.00)	1,378.00	(11.00)	-
		Industrial	Industrial	Equity	$ -	#DIV/0!											
		Agricultural	Agricultural	Equity	$ -	#DIV/0!											
		Emerging Tech	Emerging Tech	Equity	$ -	#DIV/0!											
		Public	Public	Equity	$ 525,551	15.6%	$ 607,303										
		WE&T	WE&T	Equity	$ -	#DIV/0!											
		Finance	Finance	Equity	$ -	#DIV/0!											
		OBF Loan Pool	OBF Loan Pool	Equity	$ -	#DIV/0!											
		Codes & Standards	C&S	Codes & Standards	$ 2,102,315	15.6%	$ 2,429,342										
		PA PROGRAM TOTAL					**$ 39,634,443**	**5,300,381.00**	**250.00**	**269,989.00**	**1,705.00**	**1,433.00**	**49,913,316.00**	**2,799,406.00**	**14,930.00**	**14,865.00**	**-**
		EM&V (PA & ED Portions) Total [5]															
		EM&V - PA			$ 419,211		$ 435,979										
		EM&V - ED			$ 1,105,191		$ 1,149,399										
		EM&V TOTAL	**EM&V**		**$ 1,524,402**		**$ 1,585,378**										
		PA Spending Budget Request (PA Program and EM&V Total)					**$ 41,219,821**	**5,300,381.00**	**250.00**	**269,989.00**	**1,705.00**	**1,433.00**	**49,913,316.00**	**2,799,406.00**	**14,930.00**	**14,865.00**	**-**
		CEC AB 841 Program Budget--IOU PA only															
		Applicable Annual % of difference between funding limitation & 2020 EE ABAL budget 3															
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance															
		CEC AB 841 Total															
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)							**$ 41,219,821**	**5,300,381.00**	**250.00**	**269,989.00**	**1,705.00**	**1,433.00**	**49,913,316.00**	**2,799,406.00**	**14,930.00**	**14,865.00**	**-**
		Financing Pilot Programs															
		Financing Pilot Programs Total					**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		ME&O & ESA															
		ME&O[1]															
		ESA2															

Notes: (PA to add as needed, e.g., relevant advice letter references, decision references and any other needed explanations.)
1. ME&O requested budget for 2021 per AL 3498-E/3835-G.

4 Portfolio Support allocated into sectors/segments to capture total budget request.
[5] For all PAs, EM&V costs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
~ PAs have the option of inputting by program or by total

over Details

			2029											2030							
Sector Name	Business Sector	Portfolio Segment	2029 PA Spending Budget Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures	2030 PA Spending Budget Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)
Residential	Residential	Resource Acquisition																			
Commercial	Commercial	Resource Acquisition	$ 5,684,626	4,677,446.00	-	-	1,462.00	-	52,855,137.00	-	15,626.00	-	-	$ 5,912,010	4,602,020.00	-	-	1,391.00	-	52,002,829.00	-
Industrial	Industrial	Resource Acquisition																			
Agricultural	Agricultural	Resource Acquisition																			
Emerging Tech	Emerging Tech	Resource Acquisition																			
Public	Public	Resource Acquisition																			
WE&T	WE&T	Resource Acquisition																			
Finance	Finance	Resource Acquisition																			
OBF Loan Pool	OBF Loan Pool	Resource Acquisition																			
Residential	Residential	Market Support																			
Commercial	Commercial	Market Support																			
Industrial	Industrial	Market Support																			
Agricultural	Agricultural	Market Support																			
Emerging Tech	Emerging Tech	Market Support																			
Public	Public	Market Support	$ 7,388,470	137,751.00	120.00	174,897.00	36.00	929.00	(2,706,924.00)	1,811,159.00	(834.00)	9,617.00	-	$ 7,684,008	135,530.00	118.00	172,077.00	22.00	914.00	(2,663,274.00)	1,781,953.00
WE&T	WE&T	Market Support	$ 6,632,022											$ 6,897,301							
Finance	Finance	Market Support																			
OBF Loan Pool	OBF Loan Pool	Market Support																			
Residential	Residential	Equity	$ 12,040,371	(574,521.00)	-	90,791.00	(170.00)	482.00	(5,933,406.00)	944,089.00	(1,631.00)	5,013.00	-	$ 12,521,986	(565,256.00)	-	89,327.00	(161.00)	474.00	(5,837,729.00)	928,865.00
Commercial	Commercial	Equity	$ 6,316,222	972,241.00	126.00	(154.00)	279.00	(1.00)	4,874,853.00	(2,037.00)	1,289.00	(11.00)	-	$ 6,568,870	956,563.00	124.00	(152.00)	252.00	(1.00)	4,796,244.00	(2,004.00)
Industrial	Industrial	Equity																			
Agricultural	Agricultural	Equity																			
Emerging Tech	Emerging Tech	Equity																			
Public	Public	Equity	$ 631,596											$ 656,859							
WE&T	WE&T	Equity																			
Finance	Finance	Equity																			
OBF Loan Pool	OBF Loan Pool	Equity																			
Codes & Standards	C&S	Codes & Standards	$ 2,526,516											$ 2,627,576							
PA PROGRAM TOTAL			**$ 41,219,823**	**5,212,917.00**	**246.00**	**265,534.00**	**1,607.00**	**1,410.00**	**49,089,660.00**	**2,753,211.00**	**14,450.00**	**14,619.00**	**-**	**$ 42,868,610**	**5,128,857.00**	**242.00**	**261,252.00**	**1,504.00**	**1,387.00**	**48,298,070.00**	**2,708,814.00**
EM&V (PA & ED Portions) Total [5]																					
EM&V - PA			$ 453,418											$ 471,555							
EM&V - ED			$ 1,195,375											$ 1,243,190							
EM&V TOTAL	**EM&V**		**$ 1,648,793**											**$ 1,714,745**							
PA Spending Budget Request (PA Program and EM&V Total)			**$ 42,868,616**	**5,212,917.00**	**246.00**	**265,534.00**	**1,607.00**	**1,410.00**	**49,089,660.00**	**2,753,211.00**	**14,450.00**	**14,619.00**	**-**	**$ 44,583,355**	**5,128,857.00**	**242.00**	**261,252.00**	**1,504.00**	**1,387.00**	**48,298,070.00**	**2,708,814.00**
CEC AB 841 Program Budget–IOU PA only																					
Applicable Annual % of difference between funding limitation & 2020 EE ABAL budget 3																					
IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance																					
CEC AB 841 Total																					
uest (PA Program and EM&V + CEC AB 841)			**42,868,616**	**5,212,917.00**	**246.00**	**265,534.00**	**1,607.00**	**1,410.00**	**49,089,660.00**	**2,753,211.00**	**14,450.00**	**14,619.00**	**-**	**$ 44,583,355**	**5,128,857.00**	**242.00**	**261,252.00**	**1,504.00**	**1,387.00**	**48,298,070.00**	**2,708,814.00**
Financing Pilot Programs																					
Financing Pilot Programs Total			**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
ME&O & ESA																					
ME&O[1]																					
ESA2																					

e letter references, decision references and any other needed explanations.)
i-E/3835-G.

ts to capture total budget request.
M&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
by total

over Details

Sector Name	Business Sector	Portfolio Segment	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
Residential	Residential	Resource Acquisition			
Commercial	Commercial	Resource Acquisition	15,194.00	-	-
Industrial	Industrial	Resource Acquisition			
Agricultural	Agricultural	Resource Acquisition			
Emerging Tech	Emerging Tech	Resource Acquisition			
Public	Public	Resource Acquisition			
WE&T	WE&T	Resource Acquisition			
Finance	Finance	Resource Acquisition			
OBF Loan Pool	OBF Loan Pool	Resource Acquisition			
Residential	Residential	Market Support			
Commercial	Commercial	Market Support			
Industrial	Industrial	Market Support			
Agricultural	Agricultural	Market Support			
Emerging Tech	Emerging Tech	Market Support			
Public	Public	Market Support	(826.00)	9,462.00	-
WE&T	WE&T	Market Support			
Finance	Finance	Market Support			
OBF Loan Pool	OBF Loan Pool	Market Support			
Residential	Residential	Equity	(1,577.00)	4,932.00	-
Commercial	Commercial	Equity	1,222.00	(11.00)	-
Industrial	Industrial	Equity			
Agricultural	Agricultural	Equity			
Emerging Tech	Emerging Tech	Equity			
Public	Public	Equity			
WE&T	WE&T	Equity			
Finance	Finance	Equity			
OBF Loan Pool	OBF Loan Pool	Equity			
Codes & Standards	C&S	Codes & Standards			
PA PROGRAM TOTAL			**14,013.00**	**14,383.00**	**-**
EM&V (PA & ED Portions) Total [5]					
EM&V - PA					
EM&V - ED					
EM&V TOTAL	**EM&V**				
PA Spending Budget Request (PA Program and EM&V Total)			**14,013.00**	**14,383.00**	**-**
CEC AB 841 Program Budget–IOU PA only					
Applicable Annual % of difference between funding limitation & 2020 EE ABAL budget 3					
IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance					
CEC AB 841 Total					
uest (PA Program and EM&V + CEC AB 841)			**14,013.00**	**14,383.00**	**-**

Financing Pilot Programs					
Financing Pilot Programs Total			**-**	**-**	**-**

ME&O & ESA					
ME&O[1]					
ESA2					

e letter references, decision references and any other needed explanations.)
i-E/3835-G.

ls to capture total budget request.
M&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
by total

over Details

			2031										
Sector Name	Business Sector	Portfolio Segment	2031 PA Spending Budget Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Electric CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
Residential	Residential	Resource Acquisition											
Commercial	Commercial	Resource Acquisition	$ 6,148,490	4,529,439.00	-	-	1,386.00	-	51,182,662.00	-	14,788.00	-	-
Industrial	Industrial	Resource Acquisition											
Agricultural	Agricultural	Resource Acquisition											
Emerging Tech	Emerging Tech	Resource Acquisition											
Public	Public	Resource Acquisition											
WE&T	WE&T	Resource Acquisition											
Finance	Finance	Resource Acquisition											
OBF Loan Pool	OBF Loan Pool	Resource Acquisition											
Residential	Residential	Market Support											
Commercial	Commercial	Market Support											
Industrial	Industrial	Market Support											
Agricultural	Agricultural	Market Support											
Emerging Tech	Emerging Tech	Market Support											
Public	Public	Market Support	$ 7,991,369	133,392.00	116.00	169,363.00	23.00	899.00	(2,621,270.00)	1,753,849.00	(809.00)	9,313.00	-
WE&T	WE&T	Market Support	$ 7,173,194										
Finance	Finance	Market Support											
OBF Loan Pool	OBF Loan Pool	Market Support											
Residential	Residential	Equity	$ 13,022,866	(556,341.00)	-	87,918.00	(160.00)	467.00	(5,745,657.00)	914,216.00	(1,527.00)	4,854.00	-
Commercial	Commercial	Equity	$ 6,831,626	941,476.00	122.00	(149.00)	252.00	(1.00)	4,720,600.00	(1,973.00)	1,169.00	(10.00)	-
Industrial	Industrial	Equity											
Agricultural	Agricultural	Equity											
Emerging Tech	Emerging Tech	Equity											
Public	Public	Equity	$ 683,134										
WE&T	WE&T	Equity											
Finance	Finance	Equity											
OBF Loan Pool	OBF Loan Pool	Equity											
Codes & Standards	C&S	Codes & Standards	$ 2,732,679										
PA PROGRAM TOTAL			**$ 44,583,358**	**5,047,966.00**	**238.00**	**257,132.00**	**1,501.00**	**1,365.00**	**47,536,335.00**	**2,666,092.00**	**13,621.00**	**14,157.00**	**-**
EM&V (PA & ED Portions) Total [5]													
EM&V - PA			$ 490,417										
EM&V - ED			$ 1,292,918										
EM&V TOTAL	**EM&V**		**$ 1,783,335**										
PA Spending Budget Request (PA Program and EM&V Total)			**$ 46,366,693**	**5,047,966.00**	**238.00**	**257,132.00**	**1,501.00**	**1,365.00**	**47,536,335.00**	**2,666,092.00**	**13,621.00**	**14,157.00**	**-**
CEC AB 841 Program Budget–IOU PA only													
Applicable Annual % of difference between funding limitation & 2020 EE ABAL budget 3													
IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance													
CEC AB 841 Total													
uest (PA Program and EM&V + CEC AB 841)			**$ 46,366,693**	**5,047,966.00**	**238.00**	**257,132.00**	**1,501.00**	**1,365.00**	**47,536,335.00**	**2,666,092.00**	**13,621.00**	**14,157.00**	**-**
Financing Pilot Programs													
Financing Pilot Programs Total			**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
ME&O & ESA													
ME&O[1]													
ESA2													

e letter references, decision references and any other needed explanations.)
i-E/3835-G.

ls to capture total budget request.
M&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.
by total

Pa Name: SDREN
Budget Year: 2024-2031

Table 5 - Committed Energy Efficiency Program Funding - Funds Not Yet Spent as of 7/31/2021

Committed funds but not yet spent Category **	Electric Procurement Funds	Natural Gas Public Purpose Funds	Total
2017 to date EM&V Funds	$0	$0	$0
2017 to date Program Funds - Utility	$0	$0	$0
2017 to date Program Funds - REN	$0	$0	$0
2017 to date Program Funds - CCA	$0	$0	$0
2018 to date EM&V Funds	$0	$0	$0
2018 to date Program Funds - Utility	$0	$0	$0
2018 to date Program Funds - REN	$0	$0	$0
2018 to date Program Funds - CCA	$0	$0	$0
2019 to date EM&V Funds	$0	$0	$0
2019 to date Program Funds - Utility	$0	$0	$0
2019 to date Program Funds - REN	$0	$0	$0
2019 to date Program Funds - CCA	$0	$0	$0
2020 to date EM&V Funds	$0	$0	$0
2020 to date Program Funds - Utility	$0	$0	$0
2020 to date Program Funds - REN	$0	$0	$0
2020 to date Program Funds - CCA	$0	$0	$0
2021 to date EM&V Funds	$0	$0	$0
2021 to date Program Funds - Utility	$0	$0	$0
2021 to date Program Funds - REN	$0	$0	$0
2021 to date Program Funds - CCA	$0	$0	$0

** For Non-IOU PAs: complete on the EM&V and REN/CCA; provide information to your IOU partner for the IOUs share of the commitment.
For IOU PA: Input IOU EM&V and IOU commitments. Incorporate REN/CCA information into the table. IOU Tab 5 will provide full picture of all committed funds for the IOU/CCA/REN combined portfolios.

Pa Name: SDREN
Budget Year: 2024-2027
Table 6 - Statewide Programs (Identifcal For All IOUs)

Insert Program Segment

(Col D)*(IOU 'Electric Proportional Share' from INPUT TABLE) + [(1-Col D)*(IOU 'Gas Proportional Share' from INPUT TABLE)]

	Statewide Program*	Program Segement	Lead IOU	2021 Program Contract Budget (Total for all IOUs)**	2022 Program Contract Budget (Total for all IOUs)**	2023 Program Contract Budget (Total for all IOUs)**	2024 Program Contract Budget (Total for all IOUs)**	2025 Program Contract Budget (Total for all IOUs)**	2026 Program Contract Budget (Total for all IOUs)**	2027 Program Contract Budget (Total for all IOUs)**	Initial (Expected or Actual) Contract Execution Date (MM/YYYY)***	Expected Contract End Date (MM/YYYY)	Expect to Extend/Renew, or Rebid contract?	Percent Electric	Combined (Electric & Gas) Proportional Contribution to Contract Cost per Load-Share (Either as reflected in co-funding agreement, or expected in co-funding agreement. Funding share may be within +/-20% of Target per formula in row 1 above)				Total Contract Expenditures 2018-2021 **			
															Col D	Col E	Col F	Col G				
															PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG
	Workforce education, and training: Career and workforce readiness		PG&E																			
	Res New Construction																					
	NonRes New Construction																					
	Codes and Standards Advocacy																					
	Institutional Partnerships, DGS & Dept of Corrections																					
	WE&T K-12 Connections																					
	Water/wastewater pumping		SCE																			
	Lighting (Upstream)																					
	ETP, electric																					
	Institutional Partnerships, UC/CSU/CCC																					
	ETP, gas		SCG																			
	Food Service POS																					
	Midstream Comm Water Heating																					
	Res HVAC QI/QM		SDG&E																			
	Plug Load and Appliance																					
	Upstream HVAC (Comm + Res)																					
	Total			$ -	$ -	$ -	$ -	$ -	$ -	$ -									$ -	$ -	$ -	$ -

*Modify rows as needed to reflect consolidation or division of a program category per solicitation approach or contracts. Ultimately there should be one line per executed 3P contract.
The contract budget or signed contract amount **for a given year accounts for the anticipated launch date of the program. **Program contract budgets reflect third party implementation contract values and expenditures.** Estimated values for year end 2021.
^ Administrative budgets for statewide programs are IOU specific and are filed under separate program IDs. They include all non-contract program expenditures which cover coordination, support and management. Estimate for year end 2021. This does not include any contract implementation cost.
***Launch date assumes that the signed contracts filed via AL are approved by ED in 90-days, where applicable.
BP Decision (D.18-05-041): OP 23. The 25 percent requirement for statewide funding articulated in D.16-08-019 shall be calculated as a proportion of the utility program administrator's total portfolio budget, including evaluation, measurement, and verification funding, but excluding funding allocated to other program administrators for other (non-statewide) programs. The percentage requirement for statewide program fur

INPUT TABLE: DO NOT MODIFY				
IOU	Percent PPP	Percent PPP Gas	Electric	Gas
PG&E	80%	20%	44.4%	50.4%
SDG&E	90%	10%	15.5%	7.8%
SCE	100%	0%	40.1%	0.0%
SoCalGas	0%	100%	0.0%	41.8%

ADVICE LETTER 3268-E-A/2701-G-A
(San Diego Gas & Electric Company - U902 M)
ADVICE LETTER 5346-G-A
(Southern California Gas Company - U904 G)
ADVICE LETTER 3861-E-A
(Southern California Edison Company - U338 E)
ADVICE LETTER 5373-E-A/4009-G-A
(Pacific Gas & Electric Company – U39 M)

SDREN
2024-2027

rograms (Identifcal For All IOUs)

Statewide Program*	Total IOU Administrative Expenditures 2018-2021[A]				2022 IOU Administrative Budget[A]				2023 IOU Administrative Budget[A]				2024 IOU Administrative Budget[A]				2025 IOU Administrative Budget[A]				2026 IOU Administrative Budget[A]				2027 IOU Administrative Budget[A]			
	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG
Workforce education, and training: Career and workforce readiness																												
Res New Construction																												
NonRes New Construction																												
Codes and Standards Advocacy																												
Institutional Partnerships, DGS & Dept of Corrections																												
WE&T K-12 Connections																												
Water/wastewater pumping																												
Lighting (Upstream)																												
ETP, electric																												
Institutional Partnerships, UC/CSU/CCC																												
ETP, gas																												
Food Service POS																												
Midstream Comm Water Heating																												
Res HVAC QI/QM																												
Plug Load and Appliance																												
Upstream HVAC (Comm + Res)																												
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

*Modify rows as needed to reflect consolidation or d
The contract budget or signed contract amount **fo
^ Administrative budgets for statewide programs are
***Launch date assumes that the signed contracts fi
BP Decision (D.18-05-041): OP 23. The 25 percent rending for the Southern California Gas Company shall be reduced to 15 percent, but remain 25 percent for the other utility program administrators consistent with

Pa Name: SDREN
Budget Y 2024-2031
Table 7.1 - PA 2024-2031 Budget Savings By Segment

	Segment	Requested Budget*	TSB	TRC	PAC	kWh	kW	Therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Electric CO2e	Lifecycle Net Gas CO2e	Lifecycle Net CO2e from low-GWP Measures
2024	Resource Acquisition	1,891,800	-	-	-	-	-	-	-	-	-	-	-	-	-
	Market Support	4,665,600	-	-	-	-	-	-	-	-	-	-	-	-	-
	Equity	6,320,700	-	-	-	-	-	-	-	-	-	-	-	-	-
	Codes & Standards	840,600													
	EM&V	609,720													
	TOTAL Portfolio	**15,852,720**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
2025	Resource Acquisition	3,909,240	1,979,434	0	0	3,333,474	-	-	1,143	-	37,668,258	-	11,724	-	-
	Market Support	9,641,700	1,753,895	0	0	101,716	86	125,319	28	665	(1,917,423)	1,297,850	(603)	6,892	-
	Equity	13,057,919	1,132,454	0	0	429,473	117	75,469	130	401	(394,925)	784,174	(80)	4,164	-
	Codes & Standards	1,737,450													
	EM&V	1,259,836													
	TOTAL Portfolio	**32,755,736**	**4,865,783**	**1**	**1**	**3,864,663**	**203**	**200,788**	**1,302**	**1,066**	**35,355,910**	**2,082,023**	**11,041**	**11,056**	**-**
2026	Resource Acquisition	4,300,164	2,624,811	0	1	4,444,630	-	-	1,553	-	50,224,315	-	15,383	-	-
	Market Support	10,605,870	2,230,875	0	0	120,809	103	150,518	36	799	(2,313,397)	1,558,772	(712)	8,277	-
	Equity	14,363,712	1,312,645	0	0	425,165	124	85,231	135	453	(751,484)	885,427	(190)	4,702	-
	Codes & Standards	1,911,195													
	EM&V	1,385,820													
	TOTAL Portfolio	**36,031,310**	**6,168,331**	**1**	**1**	**4,990,604**	**227**	**235,749**	**1,725**	**1,252**	**47,159,434**	**2,444,199**	**14,482**	**12,979**	**-**
2027	Resource Acquisition	4,730,180	2,824,697	0	1	4,837,697	-	-	1,581	-	54,665,975	-	16,429	-	-
	Market Support	11,666,457	2,841,538	0	0	142,470	124	180,889	44	961	(2,799,664)	1,873,210	(835)	9,947	-
	Equity	15,800,083	1,494,065	0	0	411,346	130	93,743	133	498	(1,094,820)	974,327	(290)	5,174	-
	Codes & Standards	2,102,315													
	EM&V	1,524,402													
	TOTAL Portfolio	**39,634,441**	**7,160,300**	**1**	**1**	**5,391,513**	**254**	**274,632**	**1,758**	**1,458**	**50,771,491**	**2,847,537**	**15,304**	**15,120**	
2028	Resource Acquisition	5,465,985	2,919,598	0	1	4,755,927	-	-	1,532	-	53,741,973	-	16,088	-	-
	Market Support	13,481,242	2,919,602	0	0	140,062	122	177,832	45	944	(2,752,342)	1,841,547	(839)	9,779	-
	Equity	18,257,874	1,531,603	0	0	404,392	128	92,157	128	489	(1,076,315)	957,859	(319)	5,086	-
	Codes & Standards	2,429,342													
	EM&V	1,585,378													
	TOTAL Portfolio	**41,219,821**	**7,370,803**	**1**	**1**	**5,300,381**	**250**	**269,989**	**1,705**	**1,433**	**49,913,316**	**2,799,406**	**14,930**	**14,865**	**-**
2029	Resource Acquisition	5,684,626	2,856,028	0	1	4,677,446	-	-	1,462	-	52,855,137	-	15,626	-	-
	Market Support	14,020,492	3,034,481	0	0	137,751	120	174,897	36	929	(2,706,924)	1,811,159	(834)	9,617	-
	Equity	18,988,189	1,589,395	0	0	397,720	126	90,637	109	481	(1,058,553)	942,052	(342)	5,002	-
	Codes & Standards	2,526,516													
	EM&V	1,648,793													
	TOTAL Portfolio	**42,868,616**	**7,479,904**	**1**	**1**	**5,212,917**	**246**	**265,534**	**1,607**	**1,410**	**49,089,660**	**2,753,211**	**14,450**	**14,619**	**-**
2030	Resource Acquisition	5,912,010	2,810,399	0	0	4,602,020	-	-	1,391	-	52,002,829	-	15,194	-	-
	Market Support	14,581,309	3,156,950	0	0	135,530	118	172,077	22	914	(2,663,274)	1,781,953	(826)	9,462	-
	Equity	19,747,715	1,653,217	0	0	391,307	124	89,175	91	473	(1,041,485)	926,861	(355)	4,921	-
	Codes & Standards	2,627,576													
	EM&V	1,714,745													
	TOTAL Portfolio	**44,583,355**	**7,620,566**	**1**	**1**	**5,128,857**	**242**	**261,252**	**1,504**	**1,387**					
2031	Resource Acquisition	6,148,490	2,837,637	0	0	4,529,439	-	-	1,386	-	51,182,662	-	14,788	-	-
	Market Support	15,164,563	3,292,333	0	0	133,392	116	169,363	23	899	(2,621,270)	1,753,849	(809)	9,313	-
	Equity	20,537,626	1,722,899	0	0	385,135	122	87,769	92	466	(1,025,057)	912,243	(358)	4,844	-
	Codes & Standards	2,732,679													
	EM&V	1,783,335													
	TOTAL Portfolio	**46,366,693**	**7,852,869**	**1**	**1**	**5,047,966**	**238**	**257,132**	**1,501**	**1,365**	**47,536,335**	**2,666,092**	**13,621**	**14,157**	**-**
8-Yr Total		**299,312,691**	**48,518,556**	**6**	**6**	**34,936,901**	**1,660**	**1,765,076**	**11,102**	**9,371**	**328,124,216**	**18,301,282**	**97,840**	**97,179**	**-**

***Requested budget shown in this table does not include Portfolio Support by segment due to template design. Total Portfolio requested budget includes Portfolio Support.**

2030	Commercial	12,480,880	3,318,994	0.29	0.3	5,558,583	124	(152)	1,643	(1)	56,799,073	(2,004)	16,416	(11)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	8,340,867	3,156,950	0.47	0.47	135,530	118	172,077	22	914	(2,663,274)	1,781,953	(826)	9,462	-
	WE&T	6,897,301	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool					-	-	-	-	-	-	-	-	-	-
	Codes & Stds	2,627,576	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,714,745	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**44,583,355**	**7,620,565**	**1**	**1**	**5,128,857**	**242**	**261,252**	**1,504**	**1,387**	**48,298,070**	**2,708,814**	**14,013**	**14,383**	**-**
2031	Residential	13,022,866	1,213,178	0.19	0.15	(556,341)	-	87,918	(160)	467	(5,745,657)	914,216	(1,527)	4,854	-
	Commercial	12,980,116	3,347,357	0.28	0.29	5,470,915	122	(149)	1,638	(1)	55,903,262	(1,973)	15,957	(10)	-
	Industrial	-				-	-	-	-	-	-	-	-	-	-
	Agricultural	-				-	-	-	-	-	-	-	-	-	-
	Emerging Tech	-				-	-	-	-	-	-	-	-	-	-
	Public	8,674,503	3,292,333	0.47	0.47	133,392	116	169,363	23	899	(2,621,270)	1,753,849	(809)	9,313	-
	WE&T	7,173,194	0	0	0	-	-	-	-	-	-	-	-	-	-
	Finance	-				-	-	-	-	-	-	-	-	-	-
	OBF Loan Pool					-	-	-	-	-	-	-	-	-	-
	Codes & Stds	2,732,679	0	0	0	-	-	-	-	-	-	-	-	-	-
	EM&V	1,783,335	0	0	0	-	-	-	-	-	-	-	-	-	-
	TOTAL Portfolio	**46,366,693**	**7,852,868**	**1**	**1**	**5,047,966**	**238**	**257,132**	**1,501**	**1,365**	**47,536,335**	**2,666,092**	**13,621**	**14,157**	**-**
8-Yr Total		**299,317,691**	**48,518,556**	**7**	**6**	**34,936,901**	**1,660**	**1,765,076**	**11,102**	**9,371**	**328,124,216**	**18,301,282**	**97,840**	**97,179**	**-**

***Requested budget shown in this table does not include Portfolio Support by segment due to template design. Total Portfolio requested budget includes Portfolio Support.**

Pa Name: SDREN
Budget Year: 2024-2031

Table 7.3 - PA 2024-2031 Budget Savings By Sector and Segment

Calculate TSB for all sectors, include GHG

Line	Sector	Program Year (PY) 2024 Budget*	PY2024 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Program Year (PY) 2025 Budget*	PY2025 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Program Year (PY) 2026 Budget*	PY2026 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e
	Resource Acquisition																		
	Residential	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Commercial	$1,891,800	-	-	-	-	-	$3,909,240	3,333,474.17	-	-	1,143	-	$4,300,164	4,444,629.66	-	-	1,553	-
	Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Public	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
1	WE&T	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
2	Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
3	OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
4	**PA Subtotal (does not include ESA budget and savings)**	**$1,891,800**	**-**	**-**	**-**	**-**	**-**	**$3,909,240**	**3,333,474**	**-**	**-**	**1,143**	**-**	**$4,300,164**	**4,444,630**	**-**	**-**	**1,553**	**-**
	Forecasted Total System Benefit (TSB)	$0						$1,979,434						$2,624,811					
	Forecasted Total Resource Cost (TRC)	0.00						0.40						0.46					
	Forecasted Administrator Cost (AC)	0.00						0.47						0.57					
	Market Support																		
	Residential	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Commercial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Public	$2,458,800	-	-	-	-	-	$5,080,950	101,715.83	86.00	125,319.00	28	665	$5,589,045	120,809.38	103.00	150,518.00	36	799
1	WE&T	$2,206,800	-	-	-	-	-	$4,560,750	-	-	-	-	-	$5,016,825	-	-	-	-	-
2	Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
3	OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
4	**PA Subtotal (does not include ESA budget and savings)**	**$4,665,600**	**-**	**-**	**-**	**$0**	**$0**	**$9,641,700**	**101,716**	**86**	**125,319**	**$28**	**$665**	**$10,605,870**	**120,809**	**103**	**150,518**	**$36**	**$799**
	Forecasted Total System Benefit (TSB)	$0						$1,753,895						$2,230,875					
	Forecasted Total Resource Cost (TRC)	0.00						0.20						0.23					
	Forecasted Administrator Cost (AC)	0.00						0.20						0.23					
	Equity																		
	Residential	$4,007,700	-	-	-	-	-	$8,280,000	(477,015.07)	-	75,606.00	(154)	401	$9,108,000	(540,354.34)	-	85,379.00	(183)	453
	Commercial	$2,102,400	-	-	-	-	-	$4,343,580	906,488.10	117.00	(137.00)	285	(1)	$4,777,938	965,519.10	124.00	(148.00)	318	(1)
	Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Public	$210,600	-	-	-	-	-	$434,340	-	-	-	-	-	$477,774	-	-	-	-	-
1	WE&T	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
2	Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
3	OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
4	**PA Subtotal (does not include ESA budget and savings)**	**$6,320,700**	**-**	**-**	**-**	**-**	**-**	**$13,057,919**	**429,473**	**117**	**75,469**	**130**	**401**	**$14,363,712**	**425,165**	**124**	**85,231**	**135**	**453**
	Forecasted Total System Benefit (TSB)	$0						$1,132,454						$1,312,645					
	Forecasted Total Resource Cost (TRC)	0.00						0.12						0.12					
	Forecasted Administrator Cost (AC)	0.00						0.11						0.11					
	Portfolio																		
	Residential	$4,007,700	-	-	-	-	-	$8,280,000	(477,015.07)	-	75,606.00	(154)	401	$9,108,000	(540,354.34)	-	85,379.00	(183)	453
	Commercial	$3,994,200	-	-	-	-	-	$8,252,820	4,239,962.27	117.00	(137.00)	1,428	(1)	$9,078,102	5,410,148.76	124.00	(148.00)	1,872	(1)
	Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
	Public	$2,669,400	-	-	-	-	-	$5,515,290	101,715.83	86.00	125,319.00	28	665	$6,066,819	120,809.38	103.00	150,518.00	36	799
1	WE&T	$2,206,800	-	-	-	-	-	$4,560,750	-	-	-	-	-	$5,016,825	-	-	-	-	-
2	Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
3	OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-
4	**PA Subtotal (does not include ESA budget and savings)**	**$12,878,100**	**-**	**-**	**-**	**-**	**-**	**$26,608,860**	**3,864,663**	**203**	**200,788**	**1,302**	**1,066**	**$29,269,746**	**4,990,604**	**227**	**235,749**	**1,725**	**1,252**
5	**CPUC Savings Goal (w/o C&S)**																		
6	**Forecast savings as % of CPUC Savings Goal (w/o C&S)**	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	**Total EM&V [7]**	$609,720						$1,259,836						$1,385,820					
8a	PA EM&V	$167,673						$346,455						$381,101					
8b	ED EM&V	$442,047						$913,381						$1,004,720					
	Forecasted Total System Benefit (TSB)	$0						$4,865,784						$6,168,332					
	Forecasted Total Resource Cost (TRC)	0.00						0.18						0.21					
	Forecasted Portfolio Administrator Cost (PAC)	0.00						0.18						0.20					
	Forecasted Ratepayer Impact Measure (RIM)																		
7	**Codes and Standards**	$840,600						$1,737,450						$1,911,195					
9	**PA Spending Budget Request[1]**	$15,852,720						$32,755,736						$36,031,310					
10	**(LESS) PA Pre-2020 Uncommitted and Unspent Carryover Balance[2]**	$0						$0						$0					
11	**PA Revenue Requirement Request (Cost Recovery) [5]**	$15,852,720						$32,755,736						$36,031,310					
	% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to Exceed 3	69%						69%						69%					
12	**PA Authorized Budget Cap (D.18-05-041)**																		
	ONLY IOU COMPLETES THIS SECTION - For CCA & RENS in IOU Service Territory Only																		
13	**REN Budget Recovery Request**	$0						$0						$0					
13a	BayREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
13b	SoCal REN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
13c	3CREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
13d	RCEA PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
14	**CCA Budget Recovery Request**	$0						$0						$0					
14a	MCE PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
14b	Lancaster PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
14c	Redwood Coast Energy Authority (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
14d	San Jose Clean Energy (excl. REN Uncommitted/Unspent Carryover)	-						-						-					
15	**Total PA (IOU+CCAs+RENs) Recovery Budget[6]**	$15,852,720						$32,755,736						$36,031,310					

***Requested budget shown in this table does not include Portfolio Support by Segment and Sector due to template design. The PA Spending Budget Requests do include Portfolio Support.**
[1] This is the PA's requested budget. It is the sum of the segment totals from above plus the portfolio support category.
[2] The balance of unspent uncommitted must reflect the total unspent uncommitted from pre-2020 EE authorized budgets Jan 1 2018 through Dec 31 of current year (PY-1). Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed.
[3] See D.21-01-004 Tables 2 (2022) and 3 (2022)
[4] Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed.
[5] The amount of funds to be collected (cost recovery) for the PA EE Program Year = Line 9 - Line 10 + Line 12
[6] Total amount to be requested in IOU's PPP advice letter for their programs, RENs and CCAs in their service territory, Line 15+ Line 21 + Line 22
[7] For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED = $0 .

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2024-2031 Budget Savings By Sector and Segment

Sector	Program Year (PY) 2027 Budget*	PY2027 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Program Year (PY) 2028 Budget	PY2028 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Program Year (PY) 2029 Budget	PY2029 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e	Program Year (PY) 2030 Budget	PY2030 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e
Resource Acquisition																							
Residential	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Commercial	$4,730,180	4,837,696.94	-	-	1,581	-	$5,465,985	4,755,927.00	-	-	1,532.00	-	$5,684,626	4,677,446.00	-	-	1,462.00	-	$5,912,010	4,602,020.00	-	-	1,391.00
Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Public	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
WE&T	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
PA Subtotal (does not include ESA budget and savings)	**$4,730,180**	**4,837,697**	**-**	**-**	**1,581**	**-**	**$5,465,985**	**4,755,927**	**-**	**-**	**1,532**	**-**	**$5,684,626**	**4,677,446**	**-**	**-**	**1,462**	**-**	**$5,912,010**	**4,602,020**	**-**	**-**	**1,391**
Forecasted Total System Benefit (TSB)	$2,824,697						$2,919,598						$2,856,028						$2,810,399				
Forecasted Total Resource Cost (TRC)	0.45						0.46						0.43						0.44				
Forecasted Administrator Cost (AC)	0.56						0.55						0.52						0.49				
Market Support																							
Residential	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Commercial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Public	$6,147,950	142,470.40	124.00	180,889.00	44	961	$7,104,298	140,062.00	122.00	177,832.00	45.00	944.00	$7,388,470	137,751.00	120.00	174,897.00	36.00	929.00	$7,684,008	135,530.00	118.00	172,077.00	22.00
WE&T	$5,518,508	-	-	-	-	-	$6,376,944	-	-	-	-	-	$6,632,022	-	-	-	-	-	$6,897,301	-	-	-	-
Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
PA Subtotal (does not include ESA budget and savings)	**$11,666,457**	**142,470**	**124**	**180,889**	**$44**	**$961**	**$13,481,242**	**140,062**	**122**	**177,832**	**$45**	**$944**	**$14,020,492**	**137,751**	**120**	**174,897**	**$36**	**$929**	**$14,581,309**	**135,530**	**118**	**172,077**	**$22**
Forecasted Total System Benefit (TSB)	$2,841,538						$2,919,602						$3,034,481						$3,156,950				
Forecasted Total Resource Cost (TRC)	0.26						0.26						0.25						0.25				
Forecasted Administrator Cost (AC)	0.26						0.26						0.25						0.25				
Equity																							
Residential	$10,018,800	(594,203.88)	-	93,902.00	(203)	499	$11,577,280	(584,161.00)	-	92,314.00	(185.00)	490.00	$12,040,371	(574,521.00)	-	90,791.00	(170.00)	482.00	$12,521,986	(565,256.00)	-	89,327.00	(161.00)
Commercial	$5,255,732	1,005,549.84	130.00	(159.00)	337	(1)	$6,073,291	988,553.00	128.00	(157.00)	313.00	(1.00)	$6,316,222	972,241.00	126.00	(154.00)	279.00	(1.00)	$6,568,870	956,563.00	124.00	(152.00)	252.00
Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Public	$525,551	-	-	-	-	-	$607,303	-	-	-	-	-	$631,596	-	-	-	-	-	$656,859	-	-	-	-
WE&T	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
PA Subtotal (does not include ESA budget and savings)	**$15,800,083**	**411,346**	**130**	**93,743**	**133**	**498**	**$18,257,874**	**404,392**	**128**	**92,157**	**128**	**489**	**$18,988,189**	**397,720**	**126**	**90,637**	**109**	**481**	**$19,747,715**	**391,307**	**124**	**89,175**	**91**
Forecasted Total System Benefit (TSB)	$1,494,065						$1,531,603						$1,589,395						$1,653,217				
Forecasted Total Resource Cost (TRC)	0.13						0.13						0.13						0.13				
Forecasted Administrator Cost (AC)	0.11						0.11						0.11						0.11				
Portfolio																							
Residential	$10,018,800	(594,203.88)	-	93,902.00	(203)	499	$11,577,280	(584,161.00)	-	92,314.00	(185.00)	490.00	$12,040,371	(574,521.00)	-	90,791.00	(170.00)	482.00	$12,521,986	(565,256.00)	-	89,327.00	(161.00)
Commercial	$9,985,912	5,843,246.78	130.00	(159.00)	1,918	(1)	$11,539,276	5,744,480.00	128.00	(157.00)	1,845.00	(1.00)	$12,000,848	5,649,687.00	126.00	(154.00)	1,741.00	(1.00)	$12,480,880	5,558,583.00	124.00	(152.00)	1,643.00
Industrial	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Agricultural	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Emerging Tech	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
Public	$6,673,501	142,470.40	124.00	180,889.00	44	961	$7,711,601	140,062.00	122.00	177,832.00	45.00	944.00	$8,020,066	137,751.00	120.00	174,897.00	36.00	929.00	$8,340,867	135,530.00	118.00	172,077.00	22.00
WE&T	$5,518,508	-	-	-	-	-	$6,376,944	-	-	-	-	-	$6,632,022	-	-	-	-	-	$6,897,301	-	-	-	-
Finance	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
OBF Loan Pool	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-	-	$0	-	-	-	-
PA Subtotal (does not include ESA budget and savings)	**$32,196,721**	**5,391,513**	**254**	**274,632**	**1,758**	**1,458**	**$37,205,101**	**5,300,381**	**250**	**269,989**	**1,705**	**1,433**	**$38,693,307**	**5,212,917**	**246**	**265,534**	**1,607**	**1,410**	**$40,241,034**	**5,128,857**	**242**	**261,252**	**1,504**
CPUC Savings Goal (w/o C&S)																							
Forecast savings as % of CPUC Savings Goal (w/o C&S)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total EM&V [7]	$1,524,402						$1,585,378						$1,648,793						$1,714,745				
PA EM&V	$419,211						$435,979						$453,418						$471,555				
ED EM&V	$1,105,191						$1,149,399						$1,195,375						$1,243,190				
Forecasted Total System Benefit (TSB)	$7,160,300						$7,370,803						$7,479,904						$7,620,566				
Forecasted Total Resource Cost (TRC)	0.22						0.22						0.22						0.21				
Forecasted Portfolio Administrator Cost (PAC)	0.21						0.21						0.21						0.20				
Forecasted Ratepayer Impact Measure (RIM)																							
Codes and Standards	$2,102,315						$2,429,342						$2,526,516						$2,627,576				
PA Spending Budget Request[1]	$39,634,441						$41,219,821						$42,868,616						$44,583,355				
(LESS) PA Pre-2020 Uncommitted and Unspent Carryover Balance[2]	$0						$0						$0						$0				
PA Revenue Requirement Request (Cost Recovery)[5]	$39,634,441						$41,219,821						$42,868,616						$44,583,355				
% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to Exceed 3	69%						77%						77%						77%				
PA Authorized Budget Cap (D.18-05-041)																							
ONLY IOU COMPLETES THIS SECTION - For CCA & RENS in IOU Service Territory Only																							
REN Budget Recovery Request	$0						$0						$0						$0				
BayREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-						-				
SoCal REN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-						-				
3CREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-						-				
RCEA PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-						-				
CCA Budget Recovery Request	$0						$0						$0						$0				
MCE PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-						-				
Lancaster PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	-						-						-						-				
Redwood Coast Energy Authority (excl. REN Uncommitted/Unspent Carryover)	-						-						-						-				
San Jose Clean Energy (excl. REN Uncommitted/Unspent Carryover)	-						-						-						-				
Total PA (IOU+CCAs+RENs) Recovery Budget[6]	$39,634,441						$41,219,821						$42,868,616						$44,583,355				

***Requested budget shown in this table does not include Portfolio Support by Segment and Sector c**
[1] This is the PA's requested budget. It is the sum of the segment totals from above plus the portfolic
[2] The balance of unspent uncommitted must reflect the total unspent uncommitted from pre-2020
[3] See D.21-01-004 Tables 2 (2022) and 3 (2022)
[4] Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the y
[5] The amount of funds to be collected (cost recovery) for the PA EE Program Year = Line 9 - Line 10 +
[6] Total amount to be requested in IOU's PPP advice letter for their programs, RENs and CCAs in thei
[7] For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN c

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2024-2031

2024-2031 Budget Savings By Sector and Segment

Sector	First Year Net Gas CO2e	Program Year (PY) 2031 Budget	PY2031 FORECAST ENERGY SAVINGS (Net) PA forecast kWh	PA forecast kW	PA forecast therms (MM)	First Year Net Elec CO2e	First Year Net Gas CO2e
Resource Acquisition							
Residential	-	$0	-	-	-	-	-
Commercial	-	$6,148,490	4,529,439.00	-	-	1,386.00	-
Industrial	-	$0	-	-	-	-	-
Agricultural	-	$0	-	-	-	-	-
Emerging Tech	-	$0	-	-	-	-	-
Public	-	$0	-	-	-	-	-
WE&T	-	$0	-	-	-	-	-
Finance	-	$0	-	-	-	-	-
OBF Loan Pool	-	$0	-	-	-	-	-
PA Subtotal (does not include ESA budget and savings)	**-**	**$6,148,490**	**4,529,439**	**-**	**-**	**1,386**	**-**
Forecasted Total System Benefit (TSB)		$2,837,637					
Forecasted Total Resource Cost (TRC)		0.44					
Forecasted Administrator Cost (AC)		0.47					
Market Support							
Residential	-	$0	-	-	-	-	-
Commercial	-	$0	-	-	-	-	-
Industrial	-	$0	-	-	-	-	-
Agricultural	-	$0	-	-	-	-	-
Emerging Tech	-	$0	-	-	-	-	-
Public	914.00	$7,991,369	133,392.00	116.00	169,363.00	23.00	899.00
WE&T	-	$7,173,194	-	-	-	-	-
Finance	-	$0	-	-	-	-	-
OBF Loan Pool	-	$0	-	-	-	-	-
PA Subtotal (does not include ESA budget and savings)	**$914**	**$15,164,563**	**133,392**	**116**	**169,363**	**$23**	**$899**
Forecasted Total System Benefit (TSB)		$3,292,333					
Forecasted Total Resource Cost (TRC)		0.25					
Forecasted Administrator Cost (AC)		0.25					
Equity							
Residential	474.00	$13,022,866	(556,341.00)	-	87,918.00	(160.00)	467.00
Commercial	(1.00)	$6,831,626	941,476.00	122.00	(149.00)	252.00	(1.00)
Industrial	-	$0	-	-	-	-	-
Agricultural	-	$0	-	-	-	-	-
Emerging Tech	-	$0	-	-	-	-	-
Public	-	$683,134	-	-	-	-	-
WE&T	-	$0	-	-	-	-	-
Finance	-	$0	-	-	-	-	-
OBF Loan Pool	-	$0	-	-	-	-	-
PA Subtotal (does not include ESA budget and savings)	**473**	**$20,537,626**	**385,135**	**122**	**87,769**	**92**	**466**
Forecasted Total System Benefit (TSB)		$1,722,899					
Forecasted Total Resource Cost (TRC)		0.13					
Forecasted Administrator Cost (AC)		0.11					
Portfolio							
Residential	474.00	$13,022,866	(556,341.00)	-	87,918.00	(160.00)	467.00
Commercial	(1.00)	$12,980,116	5,470,915.00	122.00	(149.00)	1,638.00	(1.00)
Industrial	-	$0	-	-	-	-	-
Agricultural	-	$0	-	-	-	-	-
Emerging Tech	-	$0	-	-	-	-	-
Public	914.00	$8,674,503	133,392.00	116.00	169,363.00	23.00	899.00
WE&T	-	$7,173,194	-	-	-	-	-
Finance	-	$0	-	-	-	-	-
OBF Loan Pool	-	$0	-	-	-	-	-
PA Subtotal (does not include ESA budget and savings)	**1,387**	**$41,850,679**	**5,047,966**	**238**	**257,132**	**1,501**	**1,365**
CPUC Savings Goal (w/o C&S)							
Forecast savings as % of CPUC Savings Goal (w/o C&S)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total EM&V [7]		$1,783,335					
PA EM&V		$490,417					
ED EM&V		$1,292,918					
Forecasted Total System Benefit (TSB)		$7,852,861					
Forecasted Total Resource Cost (TRC)		0.21					
Forecasted Portfolio Administrator Cost (PAC)		0.20					
Forecasted Ratepayer Impact Measure (RIM)							
Codes and Standards		$2,732,679					
PA Spending Budget Request[1]		$46,366,693					
(LESS) PA Pre-2020 Uncommitted and Unspent Carryover Balance[2]		$0					
PA Revenue Requirement Request (Cost Recovery) [5]		$46,366,693					
% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to Exceed 3		77%					
PA Authorized Budget Cap (D.18-05-041)							
ONLY IOU COMPLETES THIS SECTION - For CCA & RENS in IOU Service Territory Only							
REN Budget Recovery Request		$0					
BayREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)		-					
SoCal REN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)		-					
3CREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)		-					
RCEA PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)		-					
CCA Budget Recovery Request		$0					
MCE PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)		-					
Lancaster PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)		-					
Redwood Coast Energy Authority (excl. REN Uncommitted/Unspent Carryover)		-					
San Jose Clean Energy (excl. REN Uncommitted/Unspent Carryover)		-					
Total PA (IOU+CCAs+RENs) Recovery Budget[6]		$46,366,693					

***Requested budget shown in this table does not include Portfolio Support by Segment and Sector c**
[1] This is the PA's requested budget. It is the sum of the segment totals from above plus the portfolic
[2] The balance of unspent uncommitted must reflect the total unspent uncommitted from pre-2020
[3] See D.21-01-004 Tables 2 (2022) and 3 (2022)
[4] Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the y
[5] The amount of funds to be collected (cost recovery) for the PA EE Program Year = Line 9 - Line 10 +
[6] Total amount to be requested in IOU's PPP advice letter for their programs, RENs and CCAs in thei
[7] For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN c

Pa Name: SDREN
Budget Year: 2024-2027
Table 8 - Caps & Targets

		2024 Energy Efficiency Cap And Target Expenditure Projections						2025 Energy Efficiency Cap And Target Expenditure Projections					
		Expenditures			Cap & Target Performance			Expenditures			Cap & Target Performance		
Line	Budget Category	Non-Third Party Qualifying Costs (including PA costs and old-definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs [2] (Local SW, CEC & AB 841)	Total Portfolio	Percent of Budget [8]	Cap %	Target %	Non-Third Party Qualifying Costs (including PA costs and old-definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs [2] (including SW)	Total Portfolio	Percent of Budget [8]	Cap %	Target %
1	**Administrative Costs**												
2	PA [1]	$ -		$ -	0.0%	10.0%		$ -		$ -	0.0%	10.0%	
3	Non-PA Third Party & Partnership [2]		$ -	$ -	0.0%		10.0%		$ -	$ -	0.0%		10.0%
4	PA & Non-PA Target Exempt Programs [3]	$ 1,524,300	$ -	$ 1,524,300				$ 3,149,590	$ -	$ 3,149,590			
5	**Marketing and Outreach Costs [4]**												
6	Marketing & Outreach	$ -	$ 914,580	$ 914,580	5.8%		6.0%	$ -	$ 1,511,532	$ 1,511,532	9.5%		6.0%
7	Statewide Marketing & Outreach [5]	$ -		$ -				$ -		$ -			
8	**Direct Implementation Costs**												
9	Direct Implementation (Incentives and Rebates)	$ -	$ -	$ -				$ -	$ 11,324,236	$ 11,324,236			
10	Direct Implementation (Non Incentives and Non	$ -	$ 9,763,320	$ 9,763,320	61.6%		20.0%	$ -	$ 9,226,838	$ 9,226,838	58.2%		20.0%
11	Direct Implementation Target Exempt Programs (Non	$ -	$ 3,040,800	$ 3,040,800				$ -	$ 6,283,704	$ 6,283,704			
12	**EM&V Costs (PA and Energy Division) [6,7]**	$ 609,720		$ 609,720	3.8%	4.0%		$ 1,259,836		$ 1,259,836	3.8%	4.0%	
12a	EM&V - PA	$ 167,673		$ 167,673				$ 346,455		$ 346,455			
12b	EM&V - ED	$ 442,047		$ 442,047				$ 913,381		$ 913,381			
13	**Total Portfolio Budget (includes PA Program and EM&V Budget + SW ME&O) [8]**	**$ 2,134,020**	**$ 13,718,700**	**$ 15,852,720**				**$ 4,409,426**	**$ 28,346,310**	**$ 32,755,736**			
14	**CEC AB 841 (per CPUC Code Section 1613 counts as a Third Party Program as defined in D.18-08-019, OP 10)**		**$ -**	**$ -**					**$ -**	**$ -**			
15	**PA Spending Budget Request (PA Program and EM&V + CEC AB 841) [9]**			**$ 15,852,720**						**$ 32,755,736**			
16	**Total Third-Party Implementer Contracts + CEC AB 841 (as defined per D.16-08-019, OP 10 and D.21-01-xxx OP) [10, 11]**		**$ 13,718,700**		**86.5%**		**60.0%**		**$ 28,346,310**		**86.5%**		**60.0%**

Notes:
1. 10% cap requirement based on D. 09-09-047 is set for IOU only.
2. New Third party program definition per D.16-08-019, OP 10. For Row 3 of this table, the "Third Party & Partnership" administrative costs under the "Non-Third Party Qualifying Costs" column are costs for programs that met the old Third Party definition prior to the transition to the new third party definition.
3. Target Exempt Programs are Non-Resource Programs which include: Emerging Technologies, Workforce Education & Training, Strategic Energy Resources (SER) program, 3P Placeholder for Public LGPs, and Codes & Standards programs (excluding Building Codes Advocacy, Appliance Standards Advocacy and National Standards Advocacy).
4. Statewide Marketing & Outreach (SW ME&O) is excluded from the Marketing and Outreach cost target calculation per D.13-12-038, at p. 82.
5. Statewide ME&O budgets for October 2019 through 2021 were requested in Advice Letter 4098-G/5544-E and supplements, and are pending approval. The amount in Line 7 represents the portion allocated to EE.
6. For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED = $0 .
7. The EM&V percentage is based on PA's total portfolio budget of $X, which excludes SWME&O, RENs, CCAs and CEC AB 841. This is the Total in line 13, minus SWME&O in line 7.
8. As directed in the Energy Efficiency Policy Manual Version 5 July 2013, page 92, this total includes SW ME&O and excludes REN and CCA budgets and is the denominator used to calculate the IOU PA Admin, Marketing, and Direct Implementation Non-Incentives percentages.
9. IOU PA's 2021 Proposed Budget of $X excludes SWME&O budget of $Y and includes CEC AB 841 budgets of $Z.
10. IOU PA's percentage for Third-Party Implementer Contracts uses $X as its denominator, which is IOU PA Subtotal including EM&V, but excluding SWME&O, REN, and CCA. This is the Total in line 13 15, minus SWME&O in line 7.
11. IOU's Third-Party Implementer Contracts (as defined per D.16-08-019, OP 10) includes third-party contract and incentive budgets and statewide qualifying contract and incentive budgets.

SDREN
2024-2027

Targets

		2026 Energy Efficiency Cap And Target Expenditure Projections						2027 Energy Efficiency Cap And Target Expenditure Projections					
		Expenditures			Cap & Target Performance			Expenditures			Cap & Target Performance		
Line	Budget Category	Non-Third Party Qualifying Costs (including PA costs and old-definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs [2] (including SW)	Total Portfolio	Percent of Budget [8]	Cap %	Target %	Non-Third Party Qualifying Costs (including PA costs and old-definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs [2] (including SW)	Total Portfolio	Percent of Budget [8]	Cap %	Target %
1	**Administrative Costs**												
2	PA [1]	$ -		$ -	0.0%	10.0%		$ -		$ -	0.0%	10.0%	
3	Non-PA Third Party & Partnership [2]		$ -	$ -	0.0%		10.0%		$ -	$ -	0.0%		10.0%
4	PA & Non-PA Target Exempt Programs [3]	$ 3,464,549	$ -	$ 3,464,549				$ 3,811,004	$ -	$ 3,811,004			
5	**Marketing and Outreach Costs [4]**												
6	Marketing & Outreach	$ -	$ 1,547,776	$ 1,547,776	9.8%		6.0%	$ -	$ 1,712,945	$ 1,712,945	10.8%		6.0%
7	Statewide Marketing & Outreach [5]	$ -		$ -				$ -		$ -			
8	**Direct Implementation Costs**												
9	Direct Implementation (Incentives and Rebates)	$ -	$ 13,903,840	$ 13,903,840				$ -	$ 16,267,533	$ 16,267,533			
10	Direct Implementation (Non Incentives and Non	$ -	$ 8,753,066	$ 8,753,066	55.2%		20.0%	$ -	$ 8,693,312	$ 8,693,312	54.8%		20.0%
11	Direct Implementation Target Exempt Programs (Non	$ -	$ 6,976,259	$ 6,976,259				$ -	$ 7,625,245	$ 7,625,245			
12	**EM&V Costs (PA and Energy Division) [6,7]**	$ 1,385,820		$ 1,385,820	3.8%	4.0%		$ 1,524,402		$ 1,524,402	3.8%	4.0%	
12a	EM&V - PA	$ 381,101		$ 381,101				$ 419,211		$ 419,211			
12b	EM&V - ED	$ 1,004,720		$ 1,004,720				$ 1,105,191		$ 1,105,191			
13	**Total Portfolio Budget (includes PA Program and EM&V Budget + SW ME&O) [8]**	**$ 4,850,369**	**$ 31,180,941**	**$ 36,031,310**				**$ 5,335,406**	**$ 34,299,035**	**$ 39,634,441**			
14	**CEC AB 841 (per CPUC Code Section 1613 counts as a Third Party Program as defined in D.18-08-019, OP 10)**		**$ -**	**$ -**					**$ -**	**$ -**			
15	**PA Spending Budget Request (PA Program and EM&V + CEC AB 841) [9]**			**$ 36,031,310**						**$ 39,634,441**			
16	**Total Third-Party Implementer Contracts + CEC AB 841 (as defined per D.16-08-019, OP 10 and D.21-01-xxx OP) [10, 11]**		**$ 31,180,941**		**86.5%**		**60.0%**		**$ 34,299,035**		**86.5%**		**60.0%**

Notes:
1. 10% cap requirement based on D. 09-09-047 is set for IOU only.
2. New Third party program definition per D.16-08-019, OP 10. For Row 3 of this table, the ' column are costs for programs that met the old Third Party definition prior to the transition to
3. Target Exempt Programs are Non-Resource Programs which include: Emerging Techno Placeholder for Public LGPs, and Codes & Standards programs (excluding Building Codes
4. Statewide Marketing & Outreach (SW ME&O) is excluded from the Marketing and Outrea
5. Statewide ME&O budgets for October 2019 through 2021 were requested in Advice Lette represents the portion allocated to EE.
6. For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not in ED = $0 .
7. The EM&V percentage is based on PA's total portfolio budget of $X, which excludes SW
8. As directed in the Energy Efficiency Policy Manual Version 5 July 2013, page 92, this tota calculate the IOU PA Admin, Marketing, and Direct Implementation Non-Incentives percenta
9. IOU PA's 2021 Proposed Budget of $X excludes SWME&O budget of $Y and includes CE
10. IOU PA's percentage for Third-Party Implementer Contracts uses $X as its denominator, Total in line 13 15, minus SWME&O in line 7.
11. IOU's Third-Party Implementer Contracts (as defined per D.16-08-019, OP 10) includes budgets.

		Channel Management	
		Contract Management	Budget forecasting, spend tracking, invoice processing, and contract management with vendors and suppliers; Regulatory support for ME&O activities
Engineering Services	Includes engineering, project management, and contracts associated with workpaper development and pre/post sales project technical reviews and design assistance	Custom project support	Management of Emerging Products projects; Customized reviews; LCR/RFO support; Ex-ante review management; Technical policy support; Technical assessments; Workpapers; Tool development; End use subject matter expertise
		Deemed workpapers	
		Project management	
Customer Application/Rebate and Incentive Processing	Costs associated with application management and rebate and incentive processing (deemed and custom)	Rebate & Application Processing	
Inspections	Costs associated with project inspections	Inspections	
Portfolio Analytics	Includes analytics support, including internal performance reporting and external reporting	Data analytics	Data development for programs, products and services; Standard and ad hoc data extracts for internal and external clients ; Database management; CPUC, CAISO reporting; Data reconciliation; E3 support ; Compliance filing support; Funding Oversight; ESPI support; Program Results Data & Performance
EM&V	EM&V expenditures	EM&V Studies	Program and product review; manage evaluation studies
		EM&V Forecasting	EE lead for LTPP and IEPR; market potential study; integration w/ procurement planning; CPUC
ME&O	Costs associated with utility EE marketing; no statewide; focus on outsourced portion	Marketing	Customer Programs, Products, and Services Marketing; Digital Product Development; Digital
		Customer insights	Voice of the Customer; Customer satisfaction study measurement and analysis (JD Power, SDS); Customer testing/research
Account Management / Sales	Costs associated with account rep energy efficiency sales functions	Account Management	
IT	IT project specific costs and regular O&M	IT - project specific	Projects and minor enhancements. Includes project management/business integration ("PMO/BID"). Excluded: maintenance (which SCE defines as when something goes down, normal batch processing, verifying interfaces, etc.).
		IT - regular O&M	
Call Center	Costs associated with call center staff fielding EE program questions	Call Center	
Incentives	Costs of rebate and incentive payments to customers	Incentives	

Pa Name: SDREN
Budget Year: 2024-2031

PORTFOLIO SUMMARY

	2020 EE Portfolio Expenditures				2024 EE Portfolio Budget				2025 EE Portfolio Budget				
Sector	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor
Residential				$ -	$ 472,018	$ 3,980,982	$ -	$ 4,453,000	$ 960,765	$ 2,899,219	$ 5,340,017	$ 9,200,000	$ 1,051,187
Commercial				$ -	$ 470,428	$ 3,967,572	$ -	$ 4,438,000	$ 961,384	$ 4,155,632	$ 4,052,784	$ 9,169,800	$ 1,045,374
Industrial				$ -			$ -	$ -			$ -	$ -	
Agricultural				$ -			$ -	$ -			$ -	$ -	
Public				$ -	$ 314,396	$ 2,651,604	$ -	$ 2,966,000	$ 636,807	$ 3,559,858	$ 1,931,435	$ 6,128,100	$ 712,803
Cross Cutting*				$ -	$ 358,916	$ 3,027,084	$ -	$ 3,386,000	$ 741,788	$ 6,256,212	$ -	$ 6,998,000	$ 809,962
Total Sector Budget	$ -	$ -	$ -	$ -	$ 1,615,758	$ 13,627,242	$ -	$ 15,243,000	$ 3,300,744	$ 16,870,921	$ 11,324,236	$ 31,495,900	$ 3,619,327
EM&V-PA				$ -		$ 167,673	$ -	$ 167,673	$ -	$ 346,455	$ -	$ 346,455	$ -
EM&V-ED				$ -		$ 442,047	$ -	$ 442,047	$ -	$ 913,381	$ -	$ 913,381	$ -
OBF - Loan Pool**				$ -			$ -	$ -			$ -	$ -	
PA Spending Budget Request	$ -	$ -	$ -	$ -	$ 1,615,758	$ 14,236,962	$ -	$ 15,852,720	$ 3,300,744	$ 18,130,757	$ 11,324,236	$ 32,755,736	$ 3,619,327

* Cross Cutting Sector includes Codes & Standards, Emerging Technologies, Workforce Education & Training, Finance.

** For SDG&E and SCG the loan pool is not part of the authorized EE portfolio budget and is collected and tracked through a separate balancing account.

Pa Name:
Budget Year:
PORTFOLIO SUMMARY

	2026 EE Portfolio Budget			2027 EE Portfolio Budget				2020 EE Portfolio Savings			2024 EE Portfolio Forecasted Savings			2025 EE Portfolio Forecasted Savings		
Sector	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	KWH	KW	MTHERMS	KWH	KW	MTHERMS	KWH	KW	MTHERMS
Residential	$ 2,778,509	$ 6,290,304	**$ 10,120,000**	$ 1,156,917	$ 2,650,065	$ 7,325,018	**$ 11,132,000**				-	-	-	(477,015)	-	75,606
Commercial	$ 3,864,160	$ 5,177,247	**$ 10,086,780**	$ 1,157,349	$ 4,070,715	$ 5,867,394	**$ 11,095,458**				-	-	-	4,239,962	117	(137)
Industrial		$ -	**$ -**			$ -	**$ -**				-	-	-	-	-	-
Agricultural		$ -	**$ -**			$ -	**$ -**				-	-	-	-	-	-
Public	$ 3,591,818	$ 2,436,289	**$ 6,740,910**	$ 772,523	$ 3,567,357	$ 3,075,121	**$ 7,415,001**				-	-	-	101,716	86	125,319
Cross Cutting*	$ 6,887,838	$ -	**$ 7,697,800**	$ 895,508	$ 7,572,072	$ -	**$ 8,467,580**				-	-	-	-	-	-
Total Sector Budget	$ 17,122,323	$ 13,903,840	**$ 34,645,490**	$ 3,982,297	$ 17,860,209	$ 16,267,533	**$ 38,110,039**	-	-	-	-	-	-	3,864,663	203	200,788
EM&V-PA	$ 381,101	$ -	**$ 381,101**	$ -	$ 419,211	$ -	**$ 419,211**									
EM&V-ED	$ 1,004,720	$ -	**$ 1,004,720**	$ -	$ 1,105,191	$ -	**$ 1,105,191**									
OBF - Loan Pool**		$ -	**$ -**			$ -	**$ -**									
PA Spending Budget Request	**$ 18,508,143**	**$ 13,903,840**	**$ 36,031,310**	**$ 3,982,297**	**$ 19,384,611**	**$ 16,267,533**	**$ 39,634,441**	**-**	**-**	**-**	**-**	**-**	**-**	**3,864,663**	**203**	**200,788**

* Cross Cutting Sector include
** For SDG&E and SCG the loa

Pa Name:
Budget Year:
PORTFOLIO SUMMARY

	2026 EE Portfolio Forecasted Savings			2027 EE Portfolio Forecasted Savings		
Sector	KWH	KW	MTHERMS	KWH	KW	MTHERMS
Residential	(540,354)	-	85,379	(594,204)	-	93,902
Commercial	5,410,149	124	(148)	5,843,247	130	(159)
Industrial	-	-	-	-	-	-
Agricultural	-	-	-	-	-	-
Public	120,809	103	150,518	142,470	124	180,889
Cross Cutting*	-	-	-	-	-	-
Total Sector Budget	4,990,604	227	235,749	5,391,513	254	274,632
EM&V-PA						
EM&V-ED						
OBF - Loan Pool**						
PA Spending Budget Request	**4,990,604**	**227**	**235,749**	**5,391,513**	**254**	**274,632**

* Cross Cutting Sector include
** For SDG&E and SCG the loa

Pa Name: SDREN
Budget Year: 2024-2027
RESIDENTIAL BUDGET DETAIL

11 Residential

$ 445,300

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Residential	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	$ 111,325	$ 230,000	$ 253,000	$ 278,300
		Program Management	$ 333,975	$ 690,000	$ 759,000	$ 834,900
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 26,718	$ 40,765	$ 39,188	$ 43,717
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		**$ 472,018**	**$ 960,765**	**$ 1,051,187**	**$ 1,156,917**
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation	$ 3,740,520	$ 2,532,333	$ 2,425,821	$ 2,256,608
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 240,462	$ 366,886	$ 352,688	$ 393,457
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs		$ 5,340,017	$ 6,290,304	$ 7,325,018
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		**$ 3,980,982.000**	**$ 8,239,235.400**	**$ 9,068,812.520**	**$ 9,975,082.674**
Residential Total			**$ 4,453,000.000**	**$ 9,200,000.000**	**$ 10,120,000.000**	**$ 11,132,000.000**
	Other (collected through GRC) (2)	Labor Overheads				
			$ 4,453,000.00	$ 9,200,000.00	$ 10,120,000.00	$ 11,132,000.00

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE) $ 267,180
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

Pa Name: SDREN
Budget Year: 2024-2027

12 Commercial

COMMERCIAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Commercial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	$ 110,950	$ 229,245	$ 252,170	$ 277,386
		Program Management	$ 332,850	$ 687,736	$ 756,509	$ 832,159
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 26,628	$ 44,403	$ 36,695	$ 47,803
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		**$ 470,428**	**$ 961,384**	**$ 1,045,374**	**$ 1,157,349**
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation	$ 3,727,920	$ 3,756,007	$ 3,533,903	$ 3,640,489
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 239,652	$ 399,625	$ 330,257	$ 430,226
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs		$ 4,052,784	$ 5,177,247	$ 5,867,394
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		**$ 3,967,572**	**$ 8,208,416**	**$ 9,041,406**	**$ 9,938,109**
Commercial Total (5)			**$ 4,438,000**	**$ 9,169,800**	**$ 10,086,780**	**$ 11,095,458**
	Other (collected through GRC) (2)	Labor Overheads				
			$ 4,438,000.00	$ 9,169,800.00	$ 10,086,780.00	$ 11,095,458.00

Notes:

(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".
(5) Under the previous program categories the following programs were classified as Cross Cutting: 3P-IDEEA, Local-IDSM-ME&O-Local Marketing (EE), SW-IDSM-IDSM. These are included in Table 16 Cross Cutting. These three programs are now classified as Commercial with the elimination of Cross Cutting programs.

Pa Name: SDREN

Budget Year: 2024-2027

13 Industrial

INDUSTRIAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Industrial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)				
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		$ -	$ -	$ -	$ -
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation				
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)				
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs				
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		$ -	$ -	$ -	$ -
Industrial Total (5)			$ -	$ -	$ -	$ -
	Other (collected through GRC) (2)	Labor Overheads				
			$ -	$ -	$ -	$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

Pa Name: SDREN

Budget Year: 2024-2027

14 Agricultural

AGRICULTURAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Agricultural	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)				
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		$ -	$ -	$ -	$ -
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation				
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)				
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs				
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		$ -	$ -	$ -	$ -
Agricultural Total (5)			$ -	$ -	$ -	$ -
	Other (collected through GRC) (2)	Labor Overheads				
			$ -	$ -	$ -	$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

Pa Name: SDREN
Budget Year: 2024-2027

15 Public Sector

PUBLIC SECTOR BUDGET DETAIL

Sector	Cost Element	Functional Group	2020 EE Portfolio	2022 EE Portfolio Budget	2023 EE Portfolio Budget	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Public Sector	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance				$ 74,150.000	$ 153,202.417	$ 168,522.695	$ 185,375.117
		Program Management				$ 222,450.000	$ 459,607.252	$ 505,568.086	$ 556,125.351
		Engineering services							
		Customer Application/Rebate/Incentive Processing							
		Customer Project Inspections							
		Portfolio Analytics							
		ME&O (Local)				$ 17,796.000	$ 23,997.300	$ 38,712.500	$ 31,022.527
		Account Management / Sales							
		IT							
		Call Center							
	Labor Total		$ -	$ -	$ -	**$ 314,396.000**	**$ 636,806.969**	**$ 712,803.281**	**$ 772,522.995**
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)							
		Local/Government Partnerships Contracts (3)							
		Other Contracts							
		Program Implementation				$ 2,491,440.000	$ 3,343,882.000	$ 3,243,405.000	$ 3,288,154.100
		Policy, Strategy, and Regulatory Reporting Compliance							
		Program Management							
		Engineering services							
		Customer Application/Rebate/Incentive Processing							
		Customer Project Inspections							
		Portfolio Analytics							
		ME&O (Local)				$ 160,164.000	$ 215,975.700	$ 348,412.500	$ 279,202.743
		Account Management / Sales							
		IT (4)							
		Call Center							
		Facilities							
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs					$ 1,931,435.331	$ 2,436,289.219	$ 3,075,121.162
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)							
	Non-Labor Total		$ -	$ -	$ -	**$ 2,651,604.000**	**$ 5,491,293.031**	**$ 6,028,106.719**	**$ 6,642,478.005**
Public Sector Total (5)			$ -	$ -	$ -	**$ 2,966,000.000**	**$ 6,128,100.000**	**$ 6,740,910.000**	**$ 7,415,001.000**
	Other (collected through GRC) (2)	Labor Overheads							
			$ -			$ 2,966,000.00	$ 6,128,100.00	$ 6,740,910.00	$ 7,415,001.00

Notes: (1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

Pa Name: SDREN
Budget Year: 2024-2027

16 Cross Cutting

CROSS -CUTTING BUDGET DETAIL

Sector	Cost Element	Functional Group	2024 EE Portfolio Budget	2025 EE Portfolio Budget	2026 EE Portfolio Budget	2027 EE Portfolio Budget
Cross-Cutting	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	$ 84,650.000	$ 174,950.000	$ 192,445.000	$ 211,689.100
		Program Management	$ 253,950.000	$ 524,850.000	$ 577,335.000	$ 635,067.300
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 20,316.000	$ 41,988.000	$ 40,182.400	$ 48,751.660
		Account Management / Sales				
		IT				
		Call Center				
	Labor Total		**$ 358,916.000**	**$ 741,788.000**	**$ 809,962.400**	**$ 895,508.060**
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)				
		Local/Government Partnerships Contracts (3)				
		Other Contracts				
		Program Implementation	$ 2,844,240.000	$ 5,878,320.000	$ 6,526,196.000	$ 7,133,307.000
		Policy, Strategy, and Regulatory Reporting Compliance				
		Program Management				
		Engineering services				
		Customer Application/Rebate/Incentive Processing				
		Customer Project Inspections				
		Portfolio Analytics				
		ME&O (Local)	$ 182,844.000	$ 377,892.000	$ 361,641.600	$ 438,764.940
		Account Management / Sales				
		IT (4)				
		Call Center				
		Facilities				
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs				
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)				
	Non-Labor Total		**$ 3,027,084.000**	**$ 6,256,212.000**	**$ 6,887,837.600**	**$ 7,572,071.940**
Cross-Cutting Total (5)			**$ 3,386,000.000**	**$ 6,998,000.000**	**$ 7,697,800.000**	**$ 8,467,580.000**
	Other (collected through GRC) (2)	Labor Overheads				
			$ 3,386,000.00	$ 6,998,000.00	$ 7,697,800.00	$ 8,467,580.00

Notes:

(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".
(5) Under the previous program categories the following programs were classified as Cross Cutting: 3P-IDEEA, Local-IDSM-ME&O-Local Marketing (EE), SW-IDSM-IDSM. These are included in Table 16 Cross Cutting. These three programs are now classified as Commercial with the elimination of Cross Cutting programs.

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Budget Year: 2024-2027

BP Metrics

SDREN WILL FOLLOW GUIDANCE ON ADOPTED METHODOLOGIES AND CLARIFICATIONS ON THE BELOW ADOPTED INDICATORS ANTICIPATED THROUGH A JOINT TIER 2 ADVICE LETTER IN MAY 2024

Table 9: Metrics Compliance Filing

Index	PA	AttA Page	AttA Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Target 2024
0	SDREN	A03	PL1	G	MT CO2eq	NEW: Energy Savings	Metric	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	CO2-equivalent of net annual kWh savings	Portfolio Level (PL)– All Sectors	2025	-
1	SDREN	A02	PL1	S1	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kW gross	Portfolio Level (PL)– All Sectors	2025	-
2	SDREN	A02	PL1	S1	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kW net	Portfolio Level (PL)– All Sectors	2025	-
3	SDREN	A02	PL1	S1	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kWh gross	Portfolio Level (PL)– All Sectors	2025	-
4	SDREN	A02	PL1	S1	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kWh net	Portfolio Level (PL)– All Sectors	2025	-
5	SDREN	A02	PL1	S1	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual Therm gross	Portfolio Level (PL)– All Sectors	2025	-
6	SDREN	A02	PL1	S1	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual Therm net	Portfolio Level (PL)– All Sectors	2025	-
7	SDREN	A02	PL1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)••	Lifecycle ex-ante kW gross	Portfolio Level (PL)– All Sectors	2025	N/A
8	SDREN	A02	PL1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kW net	Portfolio Level (PL)– All Sectors	2025	N/A
9	SDREN	A02	PL1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kWh gross	Portfolio Level (PL)– All Sectors	2025	-
10	SDREN	A02	PL1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kWh net	Portfolio Level (PL)– All Sectors	2025	-
11	SDREN	A02	PL1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante Therm gross	Portfolio Level (PL)– All Sectors	2025	-
12	SDREN	A02	PL1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante Therm net	Portfolio Level (PL)– All Sectors	2025	-
13	SDREN	A02	PL2	S3	First year annual kW gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual kW gross in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
14	SDREN	A02	PL2	S3	First year annual kW net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual kW net in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
15	SDREN	A02	PL2	S3	First year annual kWh gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual kWh gross in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
16	SDREN	A02	PL2	S3	First year annual kWh net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual kWh net in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
17	SDREN	A02	PL2	S3	First year annual Therm gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual Therm gross in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
18	SDREN	A02	PL2	S3	First year annual Therm net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	First year annual Therm net in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
19	SDREN	A02	PL2	S3	Lifecycle ex-ante kW gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante kW gross in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
20	SDREN	A02	PL2	S3	Lifecycle ex-ante kW net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante kW net in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
21	SDREN	A02	PL2	S3	Lifecycle ex-ante kWh gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante kWh gross in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
22	SDREN	A02	PL2	S3	Lifecycle ex-ante kWh net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante kWh net in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
23	SDREN	A02	PL2	S3	Lifecycle ex-ante Therm gross	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante Therm gross in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
24	SDREN	A02	PL2	S3	Lifecycle ex-ante Therm net	S3: DAC Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities	Lifecycle ex-ante Therm net in Disadvantaged Communities	Portfolio Level (PL)– All Sectors	2025	-
25	SDREN	A02	PL3	S4	First year annual kW gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual kW gross in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-

Index	PA	AttA Page	AttA Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Target 2024
26	SDREN	A02	PL3	S4	First year annual kW net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual kW net in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
27	SDREN	A02	PL3	S4	First year annual kWh gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual kWh gross in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
28	SDREN	A02	PL3	S4	First year annual kWh net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual kWh net in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
29	SDREN	A02	PL3	S4	First year annual Therm gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual Therm gross in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
30	SDREN	A02	PL3	S4	First year annual Therm net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual Therm net in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
31	SDREN	A02	PL3	S4	Lifecycle ex-ante kW gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante kW gross in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
32	SDREN	A02	PL3	S4	Lifecycle ex-ante kW net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante kW net in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
33	SDREN	A02	PL3	S4	Lifecycle ex-ante kWh gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante kWh gross in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
34	SDREN	A02	PL3	S4	Lifecycle ex-ante kWh net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante kWh net in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
35	SDREN	A02	PL3	S4	Lifecycle ex-ante Therm gross	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante Therm gross in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
36	SDREN	A02	PL3	S4	Lifecycle ex-ante Therm net	S4: Hard to reach markets	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle ex-ante Therm net in Hard-to-Reach Markets	Portfolio Level (PL)– All Sectors	2025	-
37	SDREN	A02	PL4	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Portfolio Level (PL)– All Sectors	2025	N/A
38	SDREN	A02	PL4	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Portfolio Level (PL)– All Sectors	2025	-
39	SDREN	A02	PL4	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Portfolio Level (PL)– All Sectors	2025	-
40	SDREN	A02	PL4	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Portfolio Level (PL)– All Sectors	2025	N/A
41	SDREN	A02	PL4	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Portfolio Level (PL)– All Sectors	2025	-
42	SDREN	A02	PL4	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Portfolio Level (PL)– All Sectors	2025	-
43	SDREN	A02	RSF1	S1	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for single-family Customers	First year annual kW gross	Residential (RSF)	2025	-

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44	SDREN	A02	RSF1	S1	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kW net	Residential (RSF)	2025	-
45	SDREN	A02	RSF1	S1	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kWh gross	Residential (RSF)	2025	-
46	SDREN	A02	RSF1	S1	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kWh net	Residential (RSF)	2025	-
47	SDREN	A02	RSF1	S1	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual Therm gross	Residential (RSF)	2025	-
48	SDREN	A02	RSF1	S1	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual Therm net	Residential (RSF)	2025	-
49	SDREN	A02	RSF1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kW gross	Residential (RSF)	2025	N/A
50	SDREN	A02	RSF1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kW net	Residential (RSF)	2025	N/A
51	SDREN	A02	RSF1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kWh gross	Residential (RSF)	2025	-
52	SDREN	A02	RSF1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kWh net	Residential (RSF)	2025	-
53	SDREN	A02	RSF1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante Therm gross	Residential (RSF)	2025	-
54	SDREN	A02	RSF1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante Therm net	Residential (RSF)	2025	-
55	SDREN	A03	RSF2	G	MT CO2eq	GHG	Metric	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	CO2-equivalent of net annual kWh savings	Residential (RSF)	2025	
56	SDREN	A03	RSF3	D1-D	Lifecycle NET kW	D1: Depth of interventions: Per downstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kW net savings per participant - Opt-in - Downstream	Residential (RSF)	2025	-
57	SDREN	A03	RSF3	D1-D	Lifecycle NET kWh	D1: Depth of interventions: Per downstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kWh net savings per participant - Opt-in - Downstream	Residential (RSF)	2025	-
58	SDREN	A03	RSF3	D1-D	Lifecycle NET Therms	D1: Depth of interventions: Per downstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante Therm net savings per participant - Opt-in - Downstream	Residential (RSF)	2025	-
59	SDREN	A03	RSF3	D1-M	Lifecycle NET kW	D1: Depth of interventions: Per midstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kW net savings per participant - Opt-in - Midstream	Residential (RSF)	2025	N/A
60	SDREN	A03	RSF3	D1-M	Lifecycle NET kWh	D1: Depth of interventions: Per midstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kWh net savings per participant - Opt-in - Midstream	Residential (RSF)	2025	N/A
61	SDREN	A03	RSF3	D1-M	Lifecycle NET Therms	D1: Depth of interventions: Per midstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante Therm net savings per participant - Opt-in - Midstream	Residential (RSF)	2025	N/A
62	SDREN	A03	RSF3	D1-O	Lifecycle NET kW	D1: Depth of interventions: Per opt out participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kW net savings per participant - Opt-out	Residential (RSF)	2025	-
63	SDREN	A03	RSF3	D1-O	Lifecycle NET kWh	D1: Depth of interventions: Per opt out participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kWh net savings per participant - Opt-out	Residential (RSF)	2025	-
64	SDREN	A03	RSF3	D1-O	Lifecycle NET Therms	D1: Depth of interventions: Per opt out participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante Therm net savings per participant - Opt-out	Residential (RSF)	2025	-
65	SDREN	A03	RSF3	D1-U	Lifecycle NET kW	D1: Depth of interventions: Per upstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kW net savings per participant - Opt-in - Upstream	Residential (RSF)	2025	N/A
66	SDREN	A03	RSF3	D1-U	Lifecycle NET kWh	D1: Depth of interventions: Per upstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kWh net savings per participant - Opt-in - Upstream	Residential (RSF)	2025	N/A
67	SDREN	A03	RSF3	D1-U	Lifecycle NET Therms	D1: Depth of interventions: Per upstream participant	Metric	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante Therm net savings per participant - Opt-in - Upstream	Residential (RSF)	2025	N/A
68	SDREN	A03	RSF4	P1	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population	Percent of participation relative to eligible population	Residential (RSF)	2025	-
69	SDREN	A03	RSF4	P3	Percent	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric	Percent of participation in disadvantaged communities	Percent of participation in disadvantaged communities	Residential (RSF)	2025	-

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70	SDREN	A03	RSF4	P4	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	Percent of participation by customers defined as "hard-to-reach"	Percent of participation by customers defined as "hard-to-reach"	Residential (RSF)	2025	-
71	SDREN	A03	RSF5	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Residential (RSF)	2025	N/A
72	SDREN	A03	RSF5	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Residential (RSF)	2025	-
73	SDREN	A03	RSF5	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Residential (RSF)	2025	-
74	SDREN	A03	RSF5	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Residential (RSF)	2025	N/A
75	SDREN	A03	RSF5	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Residential (RSF)	2025	-
76	SDREN	A03	RSF5	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Residential (RSF)	2025	-
77	SDREN	A03	RSF6i	EI1	Btu	Energy intensity per SF household	Indicator	Average energy use intensity of single family homes (average usage per household – not adjusted)	Average electric and gas usage per household	Residential (RSF)	N/A - Indicator	N/A - Indicator
78	SDREN	A03	RMF1	S1-IU	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-
79	SDREN	A03	RMF1	S1-IU	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW net - In Unit	Residential Sector – Multi-family (RMF)	2025	-
80	SDREN	A03	RMF1	S1-IU	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kWh gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-
81	SDREN	A03	RMF1	S1-IU	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kWh net - In Unit	Residential Sector – Multi-family (RMF)	2025	-
82	SDREN	A03	RMF1	S1-IU	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual Therm gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-
83	SDREN	A03	RMF1	S1-IU	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual Therm net - In Unit	Residential Sector – Multi-family (RMF)	2025	-
84	SDREN	A03	RMF1	S1-IU	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-
85	SDREN	A03	RMF1	S1-IU	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW net - In Unit	Residential Sector – Multi-family (RMF)	2025	-
86	SDREN	A03	RMF1	S1-IU	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kWh gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-
87	SDREN	A03	RMF1	S1-IU	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kWh net - In Unit	Residential Sector – Multi-family (RMF)	2025	-
88	SDREN	A03	RMF1	S1-IU	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm gross - In Unit	Residential Sector – Multi-family (RMF)	2025	-
89	SDREN	A03	RMF1	S1-IU	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm net - In Unit	Residential Sector – Multi-family (RMF)	2025	-
90	SDREN	A03	RMF1	S1-MM	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
91	SDREN	A03	RMF1	S1-MM	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-

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92	SDREN	A03	RMF1	S1-MM	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kWh gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
93	SDREN	A03	RMF1	S1-MM	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kWh net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
94	SDREN	A03	RMF1	S1-MM	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual Therm gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
95	SDREN	A03	RMF1	S1-MM	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual Therm net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
96	SDREN	A03	RMF1	S1-MM	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
97	SDREN	A03	RMF1	S1-MM	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
98	SDREN	A03	RMF1	S1-MM	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kWh gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
99	SDREN	A03	RMF1	S1-MM	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kWh net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-

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100	SDREN	A03	RMF1	S1-MM	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm gross - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
101	SDREN	A03	RMF1	S1-MM	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm net - Master Metered	Residential Sector – Multi-family (RMF)	2025	-
102	SDREN	A03	RMF1	SI-CA	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW gross - Common Area	Residential Sector – Multi-family (RMF)	2025	-
103	SDREN	A03	RMF1	SI-CA	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW net - Common Area	Residential Sector – Multi-family (RMF)	2025	-
104	SDREN	A03	RMF1	SI-CA	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kWh gross - Common Area	Residential Sector – Multi-family (RMF)	2025	-
105	SDREN	A03	RMF1	SI-CA	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kWh net - Common Area	Residential Sector – Multi-family (RMF)	2025	-
106	SDREN	A03	RMF1	SI-CA	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual Therm gross - Common Area	Residential Sector – Multi-family (RMF)	2025	-
107	SDREN	A03	RMF1	SI-CA	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual Therm net - Common Area	Residential Sector – Multi-family (RMF)	2025	-
108	SDREN	A03	RMF1	SI-CA	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW gross - Common Area	Residential Sector – Multi-family (RMF)	2025	-
109	SDREN	A03	RMF1	SI-CA	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW net - Common Area	Residential Sector – Multi-family (RMF)	2025	-
110	SDREN	A03	RMF1	SI-CA	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kWh gross - Common Area	Residential Sector – Multi-family (RMF)	2025	-
111	SDREN	A03	RMF1	SI-CA	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kWh net - Common Area	Residential Sector – Multi-family (RMF)	2025	-
112	SDREN	A03	RMF1	SI-CA	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm gross - Common Area	Residential Sector – Multi-family (RMF)	2025	-
113	SDREN	A03	RMF1	SI-CA	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm net - Common Area	Residential Sector – Multi-family (RMF)	2025	-
114	SDREN	A03	RMF2	G	MT CO2eq	GHG	Metric	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	CO2-equivalent of net annual kWh savings	Residential Sector – Multi-family (RMF)	2025	
115	SDREN	A04	RMF3	D3a	Lifecycle NET kW	D3: Depth of interventions per building	Metric	Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante kW net per project (building)	Residential Sector – Multi-family (RMF)	2025	
116	SDREN	A04	RMF3	D3a	Lifecycle NET kWh	D3: Depth of interventions per building	Metric	Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante kWh net per project (building)	Residential Sector – Multi-family (RMF)	2025	
117	SDREN	A04	RMF3	D3a	Lifecycle NET Therms	D3: Depth of interventions per building	Metric	Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante Therm net per project (building)	Residential Sector – Multi-family (RMF)	2025	
118	SDREN	A04	RMF3	D4	Lifecycle NET kW	D4: Depth of interventions per property	Metric	Average savings per participant Savings per project (property)	Lifecycle ex-ante kW net per project (property)	Residential Sector – Multi-family (RMF)	2025	
119	SDREN	A04	RMF3	D4	Lifecycle NET kWh	D4: Depth of interventions per property	Metric	Average savings per participant Savings per project (property)	Lifecycle ex-ante kWh net per project (property)	Residential Sector – Multi-family (RMF)	2025	
120	SDREN	A04	RMF3	D4	Lifecycle NET Therms	D4: Depth of interventions per property	Metric	Average savings per participant Savings per project (property)	Lifecycle ex-ante Therm net per project (property)	Residential Sector – Multi-family (RMF)	2025	
121	SDREN	A04	RMF3	D5	Lifecycle NET kW	D5: Depth of interventions: Per square foot	Metric	Energy savings (kWh, kw, therms) per square foot	Lifecycle ex-ante kW net per square foot	Residential Sector – Multi-family (RMF)	2025	
122	SDREN	A04	RMF3	D5	Lifecycle NET kWh	D5: Depth of interventions: Per square foot	Metric	Energy savings (kWh, kw, therms) per square foot	Lifecycle ex-ante kWh net per square foot	Residential Sector – Multi-family (RMF)	2025	

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123	SDREN	A04	RMF3	D5	Lifecycle NET Therms	D5: Depth of interventions: Per square foot	Metric	Energy savings (kWh, kw, therms) per square foot	Lifecycle ex-ante Therm net per square foot	Residential Sector – Multi-family (RMF)	2025	
124	SDREN	A04	RMF4	P1-P	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population (by unit, and property)	Percent of participation relative to eligible population by property	Residential Sector – Multi-family (RMF)	2025	
125	SDREN	A04	RMF4	P1-U	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population (by unit, and property)	Percent of participation relative to eligible population by unit	Residential Sector – Multi-family (RMF)	2025	
126	SDREN	A04	RMF4	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	Percent of square feet of eligible population participating (by property)	Percent of square feet of eligible population participating (by property)	Residential Sector – Multi-family (RMF)	2025	
127	SDREN	A04	RMF4	P3: DAC	Percent	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric	Percent of participation in disadvantaged communities	Percent of participation in disadvantaged communities	Residential Sector – Multi-family (RMF)	2025	
128	SDREN	A04	RMF4	P4	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	Percent of participation by customers defined as "hard-to-reach"	Percent of participation by customers defined as "hard-to-reach"	Residential Sector – Multi-family (RMF)	2025	
129	SDREN	A04	RMF5	B1	Percent	MF Benchmarking Penetration	Metric	Percent of benchmarked multi-family properties relative to the eligible population	Percent of benchmarked multi-family properties relative to the eligible population	Residential Sector – Multi-family (RMF)	2025	N/A
130	SDREN	A04	RMF5	B6	Percent	Benchmarking of HTR Properties	Metric	Percent of benchmarking by properties defined as "hard-to-reach"	Percent of benchmarking by properties defined as "hard-to-reach"	Residential Sector – Multi-family (RMF)	2025	N/A
131	SDREN	A04	RMF6	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Residential Sector – Multi-family (RMF)	2025	N/A
132	SDREN	A04	RMF6	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Residential Sector – Multi-family (RMF)	2025	-
133	SDREN	A04	RMF6	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Residential Sector – Multi-family (RMF)	2025	-
134	SDREN	A04	RMF6	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Residential Sector – Multi-family (RMF)	2025	N/A
135	SDREN	A04	RMF6	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Residential Sector – Multi-family (RMF)	2025	-
136	SDREN	A04	RMF6	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Residential Sector – Multi-family (RMF)	2025	-
137	SDREN	A04	RMF7i	EI2	Btu	Energy Intensity per MF unit	Indicator	Average energy use intensity of multifamily units. including in-unit accounts)	Average electric and gas usage per unit	Residential Sector – Multi-family (RMF)	N/A	N/A - Indicator
138	SDREN	A04	RMF7i	EI3	Btu	Energy Intensity per MF unit square foot	Indicator	Average energy use intensity of multifamily buildings (average usage per square foot – not adjusted	Average electric and gas usage per square foot	Residential Sector – Multi-family (RMF)	N/A	N/A - Indicator
139	SDREN	A05	C1	S1	kW	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kW gross	Commercial Sector (C)	2025	-
140	SDREN	A05	C1	S1	kW	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kW net	Commercial Sector (C)	2025	-
141	SDREN	A05	C1	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kWh gross	Commercial Sector (C)	2025	-
142	SDREN	A05	C1	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kWh net	Commercial Sector (C)	2025	-
143	SDREN	A05	C1	S1	Therm	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual Therm gross	Commercial Sector (C)	2025	-
144	SDREN	A05	C1	S1	Therm	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual Therm net	Commercial Sector (C)	2025	-
145	SDREN	A05	C1	S1	kW	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kW gross	Commercial Sector (C)	2025	N/A
146	SDREN	A05	C1	S1	kW	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kW net	Commercial Sector (C)	2025	N/A
147	SDREN	A05	C1	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kWh gross	Commercial Sector (C)	2025	-
148	SDREN	A05	C1	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante kWh net	Commercial Sector (C)	2025	-
149	SDREN	A05	C1	S1	Therm	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante Therm gross	Commercial Sector (C)	2025	-

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150	SDREN	A05	C1	S1	Therm	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)	Lifecycle ex-ante Therm net	Commercial Sector (C)	2025	-
151	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kW gross	Commercial Sector (C)	2025	-
152	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kW net	Commercial Sector (C)	2025	-
153	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kWh gross	Commercial Sector (C)	2025	-
154	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kWh net	Commercial Sector (C)	2025	-
155	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual Therm gross	Commercial Sector (C)	2025	-
156	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual Therm net	Commercial Sector (C)	2025	-
157	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex-ante kW gross	Commercial Sector (C)	2025	N/A
158	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex-ante kW net	Commercial Sector (C)	2025	N/A
159	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex-ante kWh gross	Commercial Sector (C)	2025	-
160	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex-ante kWh net	Commercial Sector (C)	2025	-
161	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex-ante Therm gross	Commercial Sector (C)	2025	-
162	SDREN	A05	C1	S2	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex-ante Therm net	Commercial Sector (C)	2025	-
163	SDREN	A05	C2	G	MT CO2eq	GHG	Metric	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	CO2-equivalent of net annual kWh savings	Commercial Sector (C)	2025	-
164	SDREN	A05	C3	D2	Percent	D2: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption	Percent lifecycle gross kW	Commercial Sector (C)	2025	N/A
165	SDREN	A05	C3	D2	Percent	D2: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption	Percent lifecycle gross kWh	Commercial Sector (C)	2025	-
166	SDREN	A05	C3	D2	Percent	D2: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption	Percent lifecycle gross Therms	Commercial Sector (C)	2025	-
167	SDREN	A05	C4	P1L	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for large customers	Commercial Sector (C)	2025	-
168	SDREN	A05	C4	P1M	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for medium customers	Commercial Sector (C)	2025	-
169	SDREN	A05	C4	P1S	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for small customers	Commercial Sector (C)	2025	-
170	SDREN	A05	C4	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	Percent of square feet of eligible population	Percent of square feet of eligible population	Commercial Sector (C)	2025	-
171	SDREN	A05	C4	P4	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	Percent of participation by customers defined as "hard-to-reach"	Percent of participation by customers defined as "hard-to-reach"	Commercial Sector (C)	2025	-
172	SDREN	A05	C5	B2	Percent	Square Footage of Commercial Benchmarking Penetration	Metric	Percent of benchmarked square feet of eligible population	Percent of benchmarked square feet of eligible population	Commercial Sector (C)	2025	N/A
173	SDREN	A05	C5	B5L	Percent	Benchmarking Penetration for Commercial Sector	Metric	Percent of benchmarked customers relative to eligible population for large customers	Percent of benchmarked customers relative to eligible population for large customers	Commercial Sector (C)	2025	N/A
174	SDREN	A05	C5	B5M	Percent	Benchmarking Penetration for Commercial Sector	Metric	Percent of benchmarked customers relative to eligible population for medium customers	Percent of benchmarked customers relative to eligible population for medium customers	Commercial Sector (C)	2025	N/A
175	SDREN	A05	C5	B5S	Percent	Benchmarking Penetration for Commercial Sector	Metric	Percent of benchmarked customers relative to eligible population for small customers	Percent of benchmarked customers relative to eligible population for small customers	Commercial Sector (C)	2025	N/A

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176	SDREN	A05	C5	B6	Percent	Benchmarking of HTR Properties	Metric	Percent of benchmarking by customers defined as "hard-to-reach"	Percent of benchmarking by customers defined as "hard-to-reach"	Commercial Sector (C)	2025	N/A
177	SDREN	A05	C6	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Commercial Sector (C)	2025	-
178	SDREN	A05	C6	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Commercial Sector (C)	2025	-
179	SDREN	A05	C6	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Commercial Sector (C)	2025	-
180	SDREN	A05	C6	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Commercial Sector (C)	2025	-
181	SDREN	A05	C6	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Commercial Sector (C)	2025	-
182	SDREN	A05	C6	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Commercial Sector (C)	2025	-
183	SDREN	A06	C7i	N1	Percent	NMEC	Indicator	Fraction of total projects utilizing Normalized Metered Energy Consumption (NMEC) to estimate savings	Percent of total projects utilizing Normalized Metered Energy Consumption (NMEC) to estimate savings	Commercial Sector (C)	N/A	N/A - Indicator
184	SDREN	A06	C7i	N2	Percent	NMEC	Indicator	Fraction of total savings (gross kWh and therm) derived from NMEC analysis	Percent of total savings (gross kWh and therm) derived from NMEC analysis	Commercial Sector (C)	N/A	N/A - Indicator
185	SDREN	A06	C8i	CS	Percent	Satisfaction	Indicator	Improvement in customer satisfaction	Percent Improvement in customer satisfaction	Commercial Sector (C)	N/A	N/A - Indicator
186	SDREN	A06	C8i	TS	Percent	Satisfaction	Indicator	Improvement in trade ally satisfaction	Percent Improvement in trade ally satisfaction	Commercial Sector (C)	N/A	N/A - Indicator
187	SDREN	A06	C9i	F1	Percent	Investment in EE	Indicator	Fraction of total investments made by ratepayers and private capital	Percent of total investments made by ratepayers and private capital	Commercial Sector (C)	N/A	N/A - Indicator
188	SDREN	A06	P1	S1	First year annual kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	First year annual kW gross	Public Sector (P)	2025	-
189	SDREN	A06	P1	S1	First year annual kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	First year annual kW net	Public Sector (P)	2025	-
190	SDREN	A06	P1	S1	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	First year annual kWh gross	Public Sector (P)	2025	-
191	SDREN	A06	P1	S1	First year annual kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	First year annual kWh net	Public Sector (P)	2025	-
192	SDREN	A06	P1	S1	First year annual Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	First year annual Therm gross	Public Sector (P)	2025	-
193	SDREN	A06	P1	S1	First year annual Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	First year annual Therm net	Public Sector (P)	2025	-
194	SDREN	A06	P1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	Lifecycle ex-ante kW gross	Public Sector (P)	2025	N/A
195	SDREN	A06	P1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	Lifecycle ex-ante kW net	Public Sector (P)	2025	N/A
196	SDREN	A06	P1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	Lifecycle ex-ante kWh gross	Public Sector (P)	2025	-
197	SDREN	A06	P1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	Lifecycle ex-ante kWh net	Public Sector (P)	2025	-
198	SDREN	A06	P1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	Lifecycle ex-ante Therm gross	Public Sector (P)	2025	-
199	SDREN	A06	P1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs	Lifecycle ex-ante Therm net	Public Sector (P)	2025	-
200	SDREN	A06	P2	G	MT CO2eq	GHG	Metric	Greenhouse gasses (MT CO2eq) based on net lifecycle kWh and Therms savings, reported on an annual basis, incorporating average fuel/technology mix	CO2-equivalent of net annual kWh savings	Public Sector (P)	2025	
201	SDREN	A06	P3i	D3b	Percent annual NET kW	D3: Depth of interventions per building	Indicator	Average percent energy savings (kWh, kw, therms) per project building or facility	Percent annual net kW per project building or facility	Public Sector (P)	N/A	N/A - Indicator
202	SDREN	A06	P3i	D3b	Percent annual NET kWh	D3: Depth of interventions per building	Indicator	Average percent energy savings (kWh, kw, therms) per project building or facility	Percent annual net kWh per project building or facility	Public Sector (P)	N/A	N/A - Indicator
203	SDREN	A06	P3i	D3b	Percent annual NET Therms	D3: Depth of interventions per building	Indicator	Average percent energy savings (kWh, kw, therms) per project building or facility	Percent annual net Therms per project building or facility	Public Sector (P)	N/A	N/A - Indicator
204	SDREN	A06	P3i	D5	Annual NET kW	D5: Depth of interventions: Per square foot	Indicator	Average annual energy savings (kWh, kw, therms) per project building floor plan area	Average annual net kw savings per project building floor plan area	Public Sector (P)	N/A	N/A - Indicator

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205	SDREN	A06	P3i	D5	Annual NET kWh	D5: Depth of interventions: Per square foot	Indicator	Average annual energy savings (kWh, kw, therms) per project building floor plan area	Average annual net kw savings per project building floor plan area	Public Sector (P)	N/A	N/A - Indicator
206	SDREN	A06	P3i	D5	Annual NET Therms	D5: Depth of interventions: Per square foot	Indicator	Average annual energy savings (kWh, kw, therms) per project building floor plan area	Average annual net Therm savings per project building floor plan area	Public Sector (P)	N/A	N/A - Indicator
207	SDREN	A06	P3i	W1	Annual NET kW	Water	Indicator	Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities	Average annual Net kW savings per annual flow through project water/wastewater facilities	Public Sector (P)	N/A	N/A - Indicator
208	SDREN	A06	P3i	W1	Annual NET kWh	Water	Indicator	Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities	Average annual Net kWh savings per annual flow through project water/wastewater facilities	Public Sector (P)	N/A	N/A - Indicator
209	SDREN	A06	P3i	W1	Annual NET Therms	Water	Indicator	Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities	Average annual Net Therms savings per annual flow through project water/wastewater facilities	Public Sector (P)	N/A	N/A - Indicator
210	SDREN	A07	P4	P1	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of Public Sector accounts participating in programs	Percent of Public Sector accounts participating in programs	Public Sector (P)	2025	-
211	SDREN	A07	P4i	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Indicator	Percent of estimated floorplan area (i.e., ft2) of all Public Sector buildings participating in building projects—estimate within +/-15% of sector-wide building area, +/-5% of project building area	Percent of estimated floorplan area (i.e., ft2) of all Public Sector buildings participating in building projects	Public Sector (P)	N/A	N/A - Indicator
212	SDREN	A07	P4i	W2	Percent	Water	Indicator	Percent of Public Sector water/wastewater flow (i.e., annual average Million Gallons per Day) enrolled in non-building water/wastewater programs—estimate within +/-20% of flow through eligible facilities (treatment facilities pumping stations), +/-10% of flow through project facilities	Percent of Public Sector water/wastewater flow enrolled in non-building water/wastewater programs	Public Sector (P)	N/A	N/A - Indicator
213	SDREN	A07	P5	LC	PAC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Public Sector (P)	2025	N/A
214	SDREN	A07	P5	LC	PAC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Public Sector (P)	2025	-
215	SDREN	A07	P5	LC	PAC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Public Sector (P)	2025	-
216	SDREN	A07	P5	LC	TRC Levelized Cost ($/kW)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Public Sector (P)	2025	N/A
217	SDREN	A07	P5	LC	TRC Levelized Cost ($/kWh)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Public Sector (P)	2025	-
218	SDREN	A07	P5	LC	TRC Levelized Cost ($/therm)	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Public Sector (P)	2025	-
219	SDREN	A07	P6i	F2	$	Investment in EE	Indicator	Total program-backed financing distributed to Public Sector customers requiring repayment (i.e., loans, OBF)	Total program-backed financing distributed to Public Sector customers requiring repayment	Public Sector (P)	N/A	N/A - Indicator
220	SDREN	A07	P7	B3	Percent	Public Sector Benchmarking Penetration Calendar Year	Metric	Percent of Public Sector buildings with current benchmark	Percent of Public Sector buildings with current benchmark	Public Sector (P)	2025	TBD
221	SDREN	A07	P7	EI4	Btu	Energy intensity per public sector building	Metric	Average energy use intensity of all Public Sector buildings	Average energy use intensity of all Public Sector buildings	Public Sector (P)	2025	N/A
222	SDREN	A07	P7i	B4	Percent	Public Sector Square Foot Benchmarking Penetration in Calendar Year	Indicator	Percent of floorplan area of all Public Sector buildings with current benchmark	Percent of floorplan area of all Public Sector buildings with current benchmark	Public Sector (P)	2025	N/A - Indicator
223	SDREN	A08	In1	S1	kW	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual kW gross	Industrial (I)	2025	N/A
224	SDREN	A08	In1	S1	kW	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual kW net	Industrial (I)	2025	N/A
225	SDREN	A08	In1	S1	kWh	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual kWh gross	Industrial (I)	2025	N/A
226	SDREN	A08	In1	S1	kWh	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual kWh net	Industrial (I)	2025	N/A
227	SDREN	A08	In1	S1	Therm	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual Therm gross	Industrial (I)	2025	N/A

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228	SDREN	A08	In1	S1	Therm	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual Therm net	Industrial (I)	2025	N/A
229	SDREN	A08	In1	S1	kW	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle ex-ante kW gross	Industrial (I)	2025	N/A
230	SDREN	A08	In1	S1	kW	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle ex-ante kW net	Industrial (I)	2025	N/A
231	SDREN	A08	In1	S1	kWh	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle ex-ante kWh gross	Industrial (I)	2025	N/A
232	SDREN	A08	In1	S1	kWh	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle ex-ante kWh net	Industrial (I)	2025	N/A
233	SDREN	A08	In1	S1	Therm	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle ex-ante Therm gross	Industrial (I)	2025	N/A
234	SDREN	A08	In1	S1	Therm	S1: Energy Savings	Metric	First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle ex-ante Therm net	Industrial (I)	2025	N/A
235	SDREN	A08	In2	G	MT CO2eq	GHG	Metric	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	CO2-equivalent of net annual kWh savings	Industrial (I)	2025	N/A
236	SDREN	A08	In3	P1L	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium and large customers	Percent of participation relative to eligible population for large customers	Industrial (I)	2025	N/A
237	SDREN	A08	In3	P1M	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium and large customers	Percent of participation relative to eligible population for medium customers	Industrial (I)	2025	N/A
238	SDREN	A08	In3	P1S	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium and large customers	Percent of participation relative to eligible population for small customers	Industrial (I)	2025	N/A
239	SDREN	A08	In4i	P5L	Percent	New participation	Indicator	Percent of customers participating that have not received an incentive for the past three years, annually, by small, medium and large customer categories	Percent of large customers participating in reporting year that have not received an incentive for the past three years	Industrial (I)	N/A	N/A - Indicator
240	SDREN	A08	In4i	P5M	Percent	New participation	Indicator	Percent of customers participating that have not received an incentive for the past three years, annually, by small, medium and large customer categories	Percent of medium customers participating in reporting year that have not received an incentive for the past three years	Industrial (I)	N/A	N/A - Indicator
241	SDREN	A08	In4i	P5S	Percent	New participation	Indicator	Percent of customers participating that have not received an incentive for the past three years, annually, by small, medium and large customer categories	Percent of small customers participating in reporting year that have not received an incentive for the past three years	Industrial (I)	N/A	N/A - Indicator
242	SDREN	A08	In5	LC	$/kW	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Industrial (I)	2025	N/A
243	SDREN	A08	In5	LC	$/kWh	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Industrial (I)	2025	N/A
244	SDREN	A08	In5	LC	$/therm	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Industrial (I)	2025	N/A
245	SDREN	A08	In5	LC	$/kW	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Industrial (I)	2025	N/A
246	SDREN	A08	In5	LC	$/kWh	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Industrial (I)	2025	N/A
247	SDREN	A08	In5	LC	$/therm	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Industrial (I)	2025	N/A
248	SDREN	A08	In6	S2	Percent first year annual kW gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kW gross	Industrial (I)	2025	N/A
249	SDREN	A08	In6	S2	Percent first year annual kW net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kW net	Industrial (I)	2025	N/A
250	SDREN	A08	In6	S2	Percent first year annual kWh gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kWh gross	Industrial (I)	2025	N/A
251	SDREN	A08	In6	S2	Percent first year annual kWh net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kWh net	Industrial (I)	2025	N/A
252	SDREN	A08	In6	S2	Percent first year annual Therm gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual Therm gross	Industrial (I)	2025	N/A
253	SDREN	A08	In6	S2	Percent first year annual Therm net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual Therm net	Industrial (I)	2025	N/A
254	SDREN	A08	In6	S2	Percent lifecycle ex-ante kW gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kW gross	Industrial (I)	2025	N/A
255	SDREN	A08	In6	S2	Percent lifecycle ex-ante kW net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kW net	Industrial (I)	2025	N/A
256	SDREN	A08	In6	S2	Percent lifecycle ex-ante kWh gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kWh gross	Industrial (I)	2025	N/A
257	SDREN	A08	In6	S2	Percent lifecycle ex-ante kWh net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kWh net	Industrial (I)	2025	N/A
258	SDREN	A08	In6	S2	Percent lifecycle ex-ante Therm gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante Therm gross	Industrial (I)	2025	N/A
259	SDREN	A08	In6	S2	Percent lifecycle ex-ante Therm net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante Therm net	Industrial (I)	2025	N/A
260	SDREN	A09	A1	S1	kW	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	First year annual kW gross	Agricultural (A)	2025	N/A

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261	SDREN	A09	A1	S1	kW	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	First year annual kW net	Agricultural (A)	2025	N/A
262	SDREN	A09	A1	S1	kWh	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	First year annual kWh gross	Agricultural (A)	2025	N/A
263	SDREN	A09	A1	S1	kWh	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	First year annual kWh net	Agricultural (A)	2025	N/A
264	SDREN	A09	A1	S1	Therm	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	First year annual Therm gross	Agricultural (A)	2025	N/A
265	SDREN	A09	A1	S1	Therm	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	First year annual Therm net	Agricultural (A)	2025	N/A
266	SDREN	A09	A1	S1	kW	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	Lifecycle ex-ante kW gross	Agricultural (A)	2025	N/A
267	SDREN	A09	A1	S1	kW	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	Lifecycle ex-ante kW net	Agricultural (A)	2025	N/A
268	SDREN	A09	A1	S1	kWh	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	Lifecycle ex-ante kWh gross	Agricultural (A)	2025	N/A
269	SDREN	A09	A1	S1	kWh	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	Lifecycle ex-ante kWh net	Agricultural (A)	2025	N/A
270	SDREN	A09	A1	S1	Therm	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	Lifecycle ex-ante Therm gross	Agricultural (A)	2025	N/A
271	SDREN	A09	A1	S1	Therm	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in Agricultural sector, gross and net	Lifecycle ex-ante Therm net	Agricultural (A)	2025	N/A
272	SDREN	A09	A2	G	MT CO2eq	GHG	Metric	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	CO2-equivalent of net annual kWh savings	Agricultural (A)	2025	N/A
273	SDREN	A09	A3	P1: Particpants	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium and large customers	Percent of participation relative to eligible population for large customers	Agricultural (A)	2025	N/A
274	SDREN	A09	A3	P1: Particpants	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium and large customers	Percent of participation relative to eligible population for medium customers	Agricultural (A)	2025	N/A
275	SDREN	A09	A3	P1: Particpants	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium and large customers	Percent of participation relative to eligible population for small customers	Agricultural (A)	2025	N/A
276	SDREN	A09	A4	LC	$/kW	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kW)	Agricultural (A)	2025	N/A
277	SDREN	A09	A4	LC	$/kWh	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/kWh)	Agricultural (A)	2025	N/A
278	SDREN	A09	A4	LC	$/therm	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost ($/therm)	Agricultural (A)	2025	N/A
279	SDREN	A09	A4	LC	$/kW	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kW)	Agricultural (A)	2025	N/A
280	SDREN	A09	A4	LC	$/kWh	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/kWh)	Agricultural (A)	2025	N/A
281	SDREN	A09	A4	LC	$/therm	Cost per unit saved	Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost ($/therm)	Agricultural (A)	2025	N/A
282	SDREN	A10	CS1	S1	Net GWh	S1: Energy Savings	Metric	Net Energy Savings: GWH	Net GWh savings	Codes & Standards (CS)	2025	-
283	SDREN	A10	CS1	S1	Net MMTherms	S1: Energy Savings	Metric	Net Energy Savings: MM Therms	Net MMTherms savings	Codes & Standards (CS)	2025	-
284	SDREN	A10	CS1	S1	Net MW	S1: Energy Savings	Metric	Net Energy Savings: MW	Net MW savings	Codes & Standards (CS)	2025	-
285	SDREN	A10	CS2	1	Count	Advocacy-Building	Metric	Number of measures supported by CASE studies in rulemaking cycle (current work)	Number of measures supported by CASE studies in rulemaking cycle (current work)	Codes & Standards (CS)	2025	
286	SDREN	A10	CS2	2	Count	Advocacy-Building	Metric	Number of measures adopted by CEC in rulemaking cycle (indicator of past work)	Number of measures adopted by CEC in rulemaking cycle (indicator of past work)	Codes & Standards (CS)	2025	
287	SDREN	A10	CS3	1	Count	Advocacy-Appliance	Metric	Number of T-20 measures supported by CASE studies in rulemaking cycle (current work)	Number of T-20 measures supported by CASE studies in rulemaking cycle (current work)	Codes & Standards (CS)	2025	
288	SDREN	A10	CS3	2	Count	Advocacy-Appliance	Metric	Number of measures adopted by CEC in current year	Number of measures adopted by CEC in current year	Codes & Standards (CS)	2025	
289	SDREN	A10	CS4	1	Count	Advocacy-Federal	Metric	Number of federal standards adopted for which a utility advocated (IOUs to list advocated activites)	Number of federal standards adopted for which a utility advocated (IOUs to list advocated activites)	Codes & Standards (CS)	2025	
290	SDREN	A10	CS4	2	Count	Advocacy-Federal	Metric	Percent of federal standards adopted for which a utility advocated (#IOU supported / # DOE adopted)	Percent of federal standards adopted for which a utility advocated (#IOU supported / # DOE adopted)	Codes & Standards (CS)	2025	
291	SDREN	A10	CS5	1	Count	Reach Codes	Metric	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)	Codes & Standards (CS)	2025	TBD

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292	SDREN	A11	CS6	1	Count	Compliance Improvement	Metric	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of training activities	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of training activities	Codes & Standards (CS)	2025	TBD
293	SDREN	A11	CS6	2	Count	Compliance Improvement	Metric	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of participants	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of participants	Codes & Standards (CS)	2025	TBD
294	SDREN	A11	CS6	3	Score	Compliance Improvement	Metric	Increase in code compliance knowledge pre/post training	Increase in code compliance knowledge pre/post training	Codes & Standards (CS)	2025	TBD
295	SDREN	A11	CS6R	1	Percent	Compliance Improvement	Metric	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions	Codes & Standards (CS)	2025	TBD
296	SDREN	A11	CS6Ri	1	Count	Compliance Improvement	Indicator	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator
297	SDREN	A11	CS6Ri	1	Percent	Compliance Improvement	Indicator	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator
298	SDREN	A11	CS6Ri	2	Count	Compliance Improvement	Indicator	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator
299	SDREN	A11	CS6Ri	2	Percent	Compliance Improvement	Indicator	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator
300	SDREN	A11	CS6Ri	3	Count	Compliance Improvement	Indicator	Buildings receiving enhanced code compliance support and delivering compliance data to program evaluators	Buildings receiving enhanced code compliance support and delivering compliance data to program evaluators	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator
301	SDREN	A12	WET-1	1	Count	Collaborations	Metric	Number of collaborations by Business Plan sector to jointly develop or share training materials or resources.	Number of collaborations by Business Plan sector to jointly develop or share training materials or resources.	Workforce Education and Training (WET)	N/A	
302	SDREN	A12	WET-2	1	Count	Penetration	Metric	Number of participants by sector	Number of participants by sector	Workforce Education and Training (WET)	2025	TBD
303	SDREN	A12	WET-2	1	Percentage	Penetration	Metric	Percent of participation relative to eligible target population for curriculum	Percent of participation relative to eligible target population for curriculum	Workforce Education and Training (WET)	2025	TBD
304	SDREN	A12	WET-3	1	Percentage	Diversity	Metric	Percent of total WE&T training program participants that meet the definition of disadvantaged worker.	Percent of total WE&T training program participants that meet the definition of disadvantaged worker.	Workforce Education and Training (WET)	N/A	TBD

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305	SDREN	A12	WET-3	1	Percentage	Diversity	Metric	Percent of incentive dollars spent on contracts* with a demonstrated commitment to provide career pathways to disadvantaged workers	Percent of incentive dollars spent on contracts* with a demonstrated commitment to provide career pathways to disadvantaged workers	Workforce Education and Training (WET)	N/A	
306	SDREN	A12	WET-3i	1	Count	Diversity	Indicator	Number Career & Workforce Readiness (CWR) participants who have been employed for 12 months after receiving the training	Number Career & Workforce Readiness (CWR) participants who have been employed for 12 months after receiving the training	Workforce Education and Training (WET)	N/A	N/A - Indicator
307	SDREN	A13	ETP-M1	1	Count	Research Prioritization	Metric	Number of TPMs initiated (gas and electric combined), including one technology-focused pilot (TFP) TPM *This number will be updated once all third party contracts have been awarded.	Number of TPMs initiated (gas and electric combined), including one technology-focused pilot (TFP) TPM	Emerging Technologies (ET)	N/A	N/A
308	SDREN	A13	ETP-M2	1	Count of TPMs	Research Prioritization	Metric	Number of TPMs updated *This number will be updated once all third party contracts have been awarded.	Number of TPMs updated	Emerging Technologies (ET)	N/A	N/A
309	SDREN	A13	ETP-M3	1	Count of Projects	Projects	Metric	Number of projects initiated *This number will be updated once all third party contracts have been awarded.	Number of projects initiated	Emerging Technologies (ET)	2025	N/A
310	SDREN	A13	ETP-M4	1	Count of Events	Outreach	Metric	Number of outreach events with technology developers with products <1 year from commercialization, including new technology vendors, manufacturers, and entrepreneurs. *This number will be updated once all third party contracts have been awarded.	Number of outreach events with technology developers with products <1 year from commercialization, including new technology vendors, manufacturers, and entrepreneurs	Emerging Technologies (ET)	2025	N/A
311	SDREN	A13	ETP-M5	1	Count of Events	Outreach	Metric	Number of outreach events with technology developers with products <5 years from commercialization, including new technology vendors, manufacturers, and entrepreneurs. *This number will be updated once all third party contracts have been awarded.	Number of outreach events with technology developers with products <5 years from commercialization, including new technology vendors, manufacturers, and entrepreneurs	Emerging Technologies (ET)	2025	N/A
312	SDREN	A14	ETP-M6	1	Count of TFPs	Pilots	Metric	Number of projects initiated with cooperation from other internal IOU programs associated with each Technology-focused Pilot *This number will be updated once all third party contracts have been awarded.	Number of projects initiated with cooperation from other internal IOU programs associated with each Technology-focused Pilot	Emerging Technologies (ET)	N/A	N/A
313	SDREN	A14	ETP-M7	1	Count of TFPs	Pilots	Metric	Number of Technology-Focused Pilot (TFP) initiated as part of the TFP TPM. *This number will be updated once all third party contracts have been awarded.	Number of Technology-Focused Pilot (TFP) initiated as part of the TFP TPM	Emerging Technologies (ET)	N/A	N/A
314	SDREN	A15	ETP-T1	1	Percent of New Measures	Measure Tracing	Metric	Prior year: % of new measures added to the portfolio that were previously ETP technologies *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new measures.	Prior year: % of new measures added to the portfolio that were previously ETP technologies	Emerging Technologies (ET)	N/A	N/A
315	SDREN	A15	ETP-T2	1	Count of New Measures	Measure Tracing	Metric	Prior Year: # of new measures added to the portfolio that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new measures.	Prior Year: # of new measures added to the portfolio that were previously ETP technologies	Emerging Technologies (ET)	N/A	N/A
316	SDREN	A15	ETP-T3	1	Percent	Measure Tracing	Metric	Prior year: % of new codes or standards that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new codes or standards.	Prior year: % of new codes or standards that were previously ETP technologies	Emerging Technologies (ET)	N/A	N/A
317	SDREN	A15	ETP-T4	1	Count	Measure Tracing	Metric	Prior Year: # of new codes and standards that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new codes or standards.	Prior Year: # of new codes and standards that were previously ETP technologies	Emerging Technologies (ET)	N/A	N/A
318	SDREN	A15	ETP-T5a	1	Lifecycle net kW	Savings Tracing	Metric	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available	Emerging Technologies (ET)	N/A	N/A
319	SDREN	A15	ETP-T5b	1	Lifecycle net kWh	Savings Tracing	Metric	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available	Emerging Technologies (ET)	N/A	N/A
320	SDREN	A15	ETP-T5c	1	Lifecycle net Therms	Savings Tracing	Metric	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available	Emerging Technologies (ET)	N/A	N/A

Index	PA	AttA Page	AttA Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Target 2024
321	SDREN	A15	ETP-T6a	1	Count of project ideas by PA	Project Idea Tracing	Metric	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process by PA	Emerging Technologies (ET)	N/A	N/A
322	SDREN	A15	ETP-T6b	1	Count of project ideas by national labs	Project Idea Tracing	Metric	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process by National Lab	Emerging Technologies (ET)	N/A	N/A
323	SDREN	A15	ETP-T6c	1	Count of project ideas by manufacturers	Project Idea Tracing	Metric	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process by Manufacturer	Emerging Technologies (ET)	N/A	N/A
324	SDREN	A15	ETP-T6d	1	Count of project ideas by entrepreneurs	Project Idea Tracing	Metric	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process by Entrepreneur	Emerging Technologies (ET)	N/A	N/A
325	SDREN	A15	ETP-T7a	1	Count of project ideas by PA	Project Idea Tracing	Metric	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	ETP-T7a Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by PA	Emerging Technologies (ET)	N/A	N/A
326	SDREN	A15	ETP-T7b	1	Count of project ideas by national labs	Project Idea Tracing	Metric	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by National Lab	Emerging Technologies (ET)	N/A	N/A

Index	PA	AttA Page	AttA Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Target 2024
327	SDREN	A15	ETP-T7c	1	Count of project ideas by manufacturers	Project Idea Tracing	Metric	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by Manufacturer	Emerging Technologies (ET)	N/A	N/A
328	SDREN	A15	ETP-T7d	1	Count of project ideas by entrepreneurs	Project Idea Tracing	Metric	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by Entrepreneur	Emerging Technologies (ET)	N/A	N/A
329	SDREN	A16	ETP-T8	1	Number of lists	Statewide Goal Alignment	Metric	List of ETP projects aligned with statewide goals that were initiated in the reporting year with specificity as to what aspect of each goal it is fulfilling. Goals will also be labeled in the ETP database. A list of eligible goals will be developed collaboratively with ED.	List of ETP projects aligned with statewide goals that were initiated in the reporting year with specificity as to what aspect of each goal it is fulfilling	Emerging Technologies (ET)	N/A	N/A
	SDREN	Statewide Goal Alignment	Metric	ETP-T8: List of ETP projects aligned with statewide goals that were initiated in the reporting year with specificity as to what aspect of each goal it is fulfilling. Goals will also be labeled in the ETP database. A list of eligible goals will be developed collaboratively with ED.	ETP-T8: List of ETP projects aligned with statewide goals that were initiated in the reporting year with specificity as to what aspect of each goal it is fulfilling	Emerging Technologies (ET)				Emerging Technologies (ET)	2025	N/A

Pa Name:
Budget Year:
BP Metrics
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Table 9: Metrics

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
0	1,302	1,725	1,758	Projected savings from CET.	Includes CO2 but not NOX and PM10 as these are not GHG equivalents. New GHG added to CET for 2018. As of April 19, 2020, electric C02 emissions reduction values output by the Cost Effectiveness Tool (CET) and displayed in CEDARS are under investigation. Per an email from Energy Division staff to Program Administrators on February 6, 2020, these values appear to undercount C02 emissions reductions. As a result, the C02 emissions reduction values may be revised in the future, with final, up-to-date values available for review in CEDARS. For 2019, this metric shows the value in CEDARS as of April 19, 2020, the date the report was finalized.	
1	372	420	471	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
2	203	228	254	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
3	5,539,085	6,913,989	7,536,385	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
4	3,864,663	4,990,604	5,391,513	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
5	274,934	324,691	381,300	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
6	200,788	235,749	274,631	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
7	N/A	N/A	N/A	N/A; no lifecycle kW.	Codes and Standards savings are net with 5% market effects.	
8	N/A	N/A	N/A	N/A; no lifecycle kW.	Codes and Standards savings are net with 5% market effects.	
9	44,090,768	57,418,186	62,180,874	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
10	35,355,910	47,159,434	50,771,491	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
11	2,883,143	3,405,430	4,000,742	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
12	2,082,023	2,444,199	2,847,537	Projected savings from CET.	Codes and Standards savings are net with 5% market effects.	
13	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
14	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
15	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
16	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
17	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
18	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
19	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
20	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
21	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
22	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
23	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
24	TBD	TBD	TBD	Baseline to be established in 2025.	DAC definition adopted in D.18-05-041	
25	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
26	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
27	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
28	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
29	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
30	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
31	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
32	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
33	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
34	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
35	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
36	TBD	TBD	TBD	Baseline to be established in 2025.	HTR definition adopted in D.18-05-041	
37	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs do not include codes and standards, per D.18-05-041.	
38	0.47	0.39	0.38	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications. PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively Portfolio TRC and PAC excludes ESA, BayREN, and MCE benefits and program costs, SW ET program costs per D.12-11-015 (p. 52), and Financing OBF Loan Pool amounts per D.09-09-047 (p. 288).	Levelized costs do not include codes and standards, per D.18-05-041.	
39	8.11	7.52	7.53	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications. PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively Portfolio TRC and PAC excludes ESA, BayREN, and MCE benefits and program costs, SW ET program costs per D.12-11-015 (p. 52), and Financing OBF Loan Pool amounts per D.09-09-047 (p. 288).	Levelized costs do not include codes and standards, per D.18-05-041.	
40	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs do not include codes and standards, per D.18-05-041.	
41	0.46	0.39	0.37	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications. TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW. Portfolio TRC and PAC excludes ESA, BayREN, and MCE benefits and program costs, SW ET program costs per D.12-11-015 (p. 52), and Financing OBF Loan Pool amounts per D.09-09-047 (p. 288).	Levelized costs do not include codes and standards, per D.18-05-041.	
42	7.92	7.36	7.36	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications. TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW Portfolio TRC and PAC excludes ESA, BayREN, and MCE benefits and program costs, SW ET program costs per D.12-11-015 (p. 52), and Financing OBF Loan Pool amounts per D.09-09-047 (p. 288).	Levelized costs do not include codes and standards, per D.18-05-041.	
43	-	-	-	Projected savings from CET.		

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
44	-	-	-	Projected savings from CET.		
45	(358,240)	(411,787)	(454,022)	Projected savings from CET.		
46	(358,244)	(411,792)	(454,027)	Projected savings from CET.		
47	52,252	60,062	66,222	Projected savings from CET.		
48	(3,734,820)	60,060	66,221	Projected savings from CET.		
49	N/A	N/A	N/A	N/A; no lifecycle kW.		
50	N/A	N/A	N/A	N/A; no lifecycle kW.		
51	(3,734,820)	(4,293,078)	(4,733,394)	Projected savings from CET.		
52	(3,734,896)	4,293,164	(4,733,489)	Projected savings from CET.		
53	543,906	625,206	689,329	Projected savings from CET.		
54	543,884	625,180	689,301	Projected savings from CET.		
55	(116)	(140)	(156)	Projected savings from CET.	Includes CO2 but not NOX and PM10 as these are not GHG equivalents. For details regarding electric C02 emissions reduction values, refer to note in cell AA5	
56	TBD	TBD	TBD	Numerator: Total downstream savings claimed Denominator: Total number of downstream participants (unique premise and account IDs) Baseline to be established in 2025.	Per ED: "Energy savings" = lifecycle NET savings.	
57	TBD	TBD	TBD	Numerator: Total downstream savings claimed Denominator: Total number of downstream participants (unique premise and account IDs) Baseline to be established in 2025.	Per ED: "Energy savings" = lifecycle NET savings.	
58	TBD	TBD	TBD	Numerator: Total downstream savings claimed Denominator: Total number of downstream participants (unique premise and account IDs) Baseline to be established in 2025.	Per ED: "Energy savings" = lifecycle NET savings.	
59	N/A	N/A	N/A		Since it is currently unclear how to define midstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
60	N/A	N/A	N/A		Since it is currently unclear how to define midstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
61	N/A	N/A	N/A		Since it is currently unclear how to define midstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
62	N/A	N/A	N/A		1) Currently, the only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	
63	N/A	N/A	N/A		1) Currently, the only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	
64	N/A	N/A	N/A		1) Currently, the only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	
65	N/A	N/A	N/A		Since it is unclear how to define upstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
66	N/A	N/A	N/A		Since it is unclear how to define upstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
67	N/A	N/A	N/A		Since it is unclear how to define upstream "participants," PAs and ED agreed to report only the numerator for this metric in the compliance filing.	
68	TBD	TBD	TBD	Numerator: Number of downstream SF participants (unique account and premise IDs) Denominator: total number of unique SF account and premise IDs Baseline to be established in 2025.	"Participation" is defined as the first instance of participation.	
69	TBD	TBD	TBD	Numerator: Number of SF participants in DACs (unique account and premise IDs) Denominator: Total number of SF customers in DACs (unique account and premise IDs) Baseline to be established in 2025.	DAC customers defined in accordance with D.18-05-041	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
70	TBD	TBD	TBD	Numerator: Number of SF HTR participants (unique account and premise IDs) Denominator: Total number of SF HTR customers (unique account and premise IDs) Baseline to be established in 2025.	HTR customers defined in accordance with D.18-05-041.	
71	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
72	- .00	- .00	- .00	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
73	10.56	10.13	10.12	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
74	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
75	- .00	- .00	- .00	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
76	8.76	8.23	8.07	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
77	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total SF energy use Denominator: Number of unique account and premise IDs in SF segment	Household refers to a unique account and premise ID in SF segment	
78	TBD	TBD	TBD	Baseline to be established in 2025.		
79	TBD	TBD	TBD	Baseline to be established in 2025.		
80	TBD	TBD	TBD	Baseline to be established in 2025.		
81	TBD	TBD	TBD	Baseline to be established in 2025.		
82	TBD	TBD	TBD	Baseline to be established in 2025.		
83	TBD	TBD	TBD	Baseline to be established in 2025.		
84	TBD	TBD	TBD	Baseline to be established in 2025.		
85	TBD	TBD	TBD	Baseline to be established in 2025.		
86	TBD	TBD	TBD	Baseline to be established in 2025.		
87	TBD	TBD	TBD	Baseline to be established in 2025.		
88	TBD	TBD	TBD	Baseline to be established in 2025.		
89	TBD	TBD	TBD	Baseline to be established in 2025.		
90	TBD	TBD	TBD	Baseline to be established in 2025.		
91	TBD	TBD	TBD	Baseline to be established in 2025.		

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
92	TBD	TBD	TBD	Baseline to be established in 2025.		
93	TBD	TBD	TBD	Baseline to be established in 2025.		
94	TBD	TBD	TBD	Baseline to be established in 2025.		
95	TBD	TBD	TBD	Baseline to be established in 2025.		
96	TBD	TBD	TBD	Baseline to be established in 2025.		
97	TBD	TBD	TBD	Baseline to be established in 2025.		
98	TBD	TBD	TBD	Baseline to be established in 2025.		
99	TBD	TBD	TBD	Baseline to be established in 2025.		

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
100	TBD	TBD	TBD	Baseline to be established in 2025.		
101	TBD	TBD	TBD	Baseline to be established in 2025.		
102	TBD	TBD	TBD	Baseline to be established in 2025.		
103	TBD	TBD	TBD	Baseline to be established in 2025.		
104	TBD	TBD	TBD	Baseline to be established in 2025.		
105	TBD	TBD	TBD	Baseline to be established in 2025.		
106	TBD	TBD	TBD	Baseline to be established in 2025.		
107	TBD	TBD	TBD	Baseline to be established in 2025.		
108	TBD	TBD	TBD	Baseline to be established in 2025.		
109	TBD	TBD	TBD	Baseline to be established in 2025.		
110	TBD	TBD	TBD	Baseline to be established in 2025.		
111	TBD	TBD	TBD	Baseline to be established in 2025.		
112	TBD	TBD	TBD	Baseline to be established in 2025.		
113	TBD	TBD	TBD	Baseline to be established in 2025.		
114	(38)	(43)	(48)	Projected savings from CET.	Includes CO2 but not NOX and PM10 as these are not GHG equivalents. For details regarding electric C02 emissions reduction values, refer to note in cell AA5	
115	TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects Denominator: Number of buildings that have been retrofitted Baseline to be established in 2025.		
116	TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects Denominator: Number of buildings that have been retrofitted Baseline to be established in 2025.		
117	TBD	TBD	TBD	Numerator: Total savings claimed for MF retrofit projects Denominator: Number of buildings that have been retrofitted Baseline to be established in 2025.		
118	TBD	TBD	TBD	Numerator - Total savings claimed for MF retrofit projects Denominator - Number of participating properties Baseline to be established in 2025.		
119	TBD	TBD	TBD	Numerator - Total savings claimed for MF retrofit projects Denominator - Number of participating properties Baseline to be established in 2025.		
120	TBD	TBD	TBD	Numerator - Total savings claimed for MF retrofit projects Denominator - Number of participating properties Baseline to be established in 2025.		
121	TBD	TBD	TBD	Numerator: Total MF savings Denominator: Total number of unique MF premise and account IDs of participants multiplied by the average square footage of MF accounts Baseline to be established in 2025.	Per ED: "Energy savings" = lifecycle NET savings. Includes savings attributed to MF customers for Home Energy Reports, as this metric refers to overall MF savings per square foot, instead of projects.	
122	TBD	TBD	TBD	Numerator: Total MF savings Denominator: Total number of unique MF premise and account IDs of participants multiplied by the average square footage of MF accounts Baseline to be established in 2025.	Per ED: "Energy savings" = lifecycle NET savings. Includes savings attributed to MF customers for Home Energy Reports, as this metric refers to overall MF savings per square foot, instead of projects.	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
123	TBD	TBD	TBD	Numerator: Total MF savings Denominator: Total number of unique MF premise and account IDs of participants multiplied by the average square footage of MF accounts Baseline to be established in 2025.	Per ED: "Energy savings" = lifecycle NET savings. Includes savings attributed to MF customers for Home Energy Reports, as this metric refers to overall MF savings per square foot, instead of projects.	
124	TBD	TBD	TBD	Numerator: Number of downstream MF projects Denominator: Total number of unique account and premise IDs in the MF segment Baseline to be established in 2025.		
125	TBD	TBD	TBD	Numerator: Number of downstream participating MF units (unique account and premise IDs) Denominator: Total number of unique account and premise IDs in the MF segment Baseline to be established in 2025.	Participation is defined as the first instance of participation.	
126	TBD	TBD	TBD	Numerator: Square footage of participating MF customers (unique account and premise IDs) Denominator: Square footage of all eligible accounts Baseline to be established in 2025.		
127	TBD	TBD	TBD	Numerator: Number of participants in disadvantaged communities (unique account and premise IDs) Denominator: Total number of unique account and premise IDs in disadvantaged communities. Baseline to be established in 2025.	DAC customers defined in accordance with D.18-05-041	
128	TBD	TBD	TBD	Numerator: Number of HTR MF participants (unique account and premise IDs) Denominator: Total number of MF HTR customers (unique account and premise IDs) Baseline to be established in 2025.	HTR customers defined in accordance with D.18-05-041.	
129	N/A	N/A	N/A	Numerator:Total number of multifamily properties benchmarked via Portfolio Manager Denominator: Total number of unique account and premise IDs in SDREN's service area	This metric captures properties benchmarked within the calendar year	
130	N/A	N/A	N/A	Numerator:Total number of HTR multifamily properties benchmarked via Portfolio Manager Denominator: Total number of unique account and premise IDs in SDREN's service area	This metric captures properties benchmarked within the calendar year	
131	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
132	(0.01)	(0.01)	(0.01)	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
133	12.33	12.53	12.59	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
134	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
135	(0.01)	(0.01)	(0.01)	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
136	9.99	10.04	9.94	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
137	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total MF energy use in SDREN territory Denominator: Total units in MF segment in SDREN territory		
138	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total MF energy use in SDREN territory Denominator: Total square footage in MF segment in SDREN territory		
139	197	210	197	Projected savings from CET.	None	
140	117	125	130	Projected savings from CET.	None	
141	5,224,292	6,505,474	6,994,559	Projected savings from CET.	None	
142	4,239,962	5,410,149	5,843,247	Projected savings from CET.	None	
143	(217)	(234)	(252)	Projected savings from CET.	None	
144	(137)	(148)	(159)	Projected savings from CET.	None	
145	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
146	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
147	47,812,585	61,568,893	66,625,235	Projected savings from CET.	None	
148	42,197,125	55,053,139	59,707,842	Projected savings from CET.	None	
149	(3,003)	(3,237)	(3,471)	Projected savings from CET.	None	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
150	(1,824)	(1,966)	(2,107)	Projected savings from CET.	None	
151	0.01	0.02	0.02	Used kWh as proxy for kW.	None	
152	0.01	0.01	0.01	Used kWh as proxy for kW.	None	
153	0.01	0.02	0.02	Numerator = Metric C1 Denominator = Total commercial usage	None	
154	0.01	0.01	0.01	Numerator = Metric C1 Denominator = Total commercial usage	None	
155	-	-	-	Numerator = Metric C1 Denominator = Total commercial usage	None	
156	-	-	-	Numerator = Metric C1 Denominator = Total commercial usage	None	
157	N/A	N/A	N/A	Numerator = Metric C1 Denominator = Total commercial usage	None	
158	N/A	N/A	N/A	Numerator = Metric C1 Denominator = Total commercial usage	None	
159	0.12	0.15	0.16	Numerator = Metric C1 Denominator = Total commercial usage	None	
160	0.10	0.13	0.15	Numerator = Metric C1 Denominator = Total commercial usage	None	
161	-	-	-	Numerator = Metric C1 Denominator = Total commercial usage	None	
162	-	-	-	Numerator = Metric C1 Denominator = Total commercial usage	None	
163	1,428	1,872	1,918	Projected savings from CET.	Includes CO2 (in metric tons) but not NOX and PM10 as these are not GHG equivalents. For details regarding electric C02 emissions reduction values, refer to note in cell AA5	
164	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
165	TBD	TBD	TBD	Numerator: Energy savings claimed for commercial projects, consistent with CEDARS PROGRAM classification Denominator: Energy usage baseline on application, against which project savings is calculated. Baseline to be established in 2025.	"Project" is defined as "per application"	
166	TBD	TBD	TBD	Numerator: Energy savings claimed for commercial projects, consistent with CEDARS PROGRAM classification Denominator: Energy usage baseline on application, against which project savings is calculated. Baseline to be established in 2025.	"Project" is defined as "per application"	
167	TBD	TBD	TBD	Numerator: Number of participating large customers (defined by unique combination of account and premise ID) Denominator: Total number of large customers in the sector (defined by unique combination of account and premise ID) Baseline to be established in 2025.	Participation is defined as the first instance of participation. Large customers are defined as those using greater than or equal to 500,000 kWh or 250,000 therms annually.	
168	TBD	TBD	TBD	Numerator: Number of participating medium customers (defined by unique combination of account and premise ID) Denominator: Total number of medium customers in the sector (defined by unique combination of account and premise ID) Baseline to be established in 2025.	Participation is defined as the first instance of participation. Medium customers are defined as those who use between 40,000-500,000kWh or 10,000-250,000 therms annually.	
169	TBD	TBD	TBD	Numerator: Number of participating small customers (defined by unique combination of account and premise ID) Denominator: Total number of small customers in the sector (defined by unique combination of account and premise ID) Baseline to be established in 2025.	Participation is defined as the first instance of participation. Small customers are defined as those who use less than 40,000 kWh or 10,000 therms annually. Targets are set at 5% in compliance with D.18-05-041. The methodology for capturing participation is still to be determined.	
170	TBD	TBD	TBD	Numerator: square footage of participating service commercial customers Denominator: square footage of the commercial sector Baseline to be established in 2025.		
171	TBD	TBD	TBD	Numerator: Number of commercial HTR participants (unique account and premise ID) Denominator: Total number of HTR commercial customers (unique account and premise ID) Baseline to be established in 2025.	HTR customers defined in accordance with D.18-05-041.	
172	N/A	N/A	N/A		This metric includes buildings benchmarked within the calendar year	
173	N/A	N/A	N/A			
174	N/A	N/A	N/A			
175	N/A	N/A	N/A			

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
176	N/A	N/A	N/A		HTR customers defined based on D.18-05-041. This metric captures customers benchmarked within the calendar year.	
177	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
178	0.19	0.16	0.16	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
179	4.60	4.18	4.53	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
180	N/A	N/A	N/A	N/A; no lifecycle kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
181	0.21	0.18	0.18	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
182	5.03	4.67	5.09	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
183	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC meeting : "Fraction of total custom projects utilizing NMEC to estimate savings".••••Data from CMPA (Custom Measure and Project Archive)		
184	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: "Fraction of total custom savings derived from NMEC analysis".••••Data from CMPA.		
185	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: M&E will develop and field a consistent survey instrument annually.		
186	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: M&E will develop and field a consistent survey instrument annually.	Numerator = Current Year Percentage - Baseline Year Percentage. Denominator = Baseline Year Percentage.	
187	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC meeting: and ED : Numerator: Total incentive amounts Denominator: Total project cost		
188	175	210	252	Projected savings from CET.	None	
189	86	103	124	Projected savings from CET.	None	
190	791,155	948,140	1,135,242	Projected savings from CET.	None	
191	101,716	120,809	142,470	Projected savings from CET.	None	
192	199,021	238,961	287,019	Projected savings from CET.	None	
193	125,319	150,518	180,889	Projected savings from CET.	None	
194	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
195	N/A	N/A	N/A	N/A; no lifecycle kW.	None	
196	1,198,017	1,425,177	1,687,546	Projected savings from CET.	None	
197	(1,917,423)	(2,313,397)	(2,799,664)	Projected savings from CET.	None	
198	2,097,001	2,517,756	3,023,978	Projected savings from CET.	None	
199	1,297,850	1,558,772	1,873,210	Projected savings from CET.	None	
200	28	36	44	Projected savings from CET.	Includes CO2 but not NOX and PM10 as these are not GHGs. For details regarding electric C02 emissions reduction values, refer to note in cell AA5	
201	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator - Total savings claimed for MF retrofit projects Denominator - Number of participating properties		
202	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator - Total savings claimed for MF retrofit projects Denominator - Number of participating properties		
203	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator - Total savings claimed for MF retrofit projects Denominator - Number of participating properties		
204	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total downstream savings Denominator Total number of service accounts participating. x average square footage of property		

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
205	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total downstream savings Denominator: Total number of service accounts participating. x average square footage of property		
206	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numeartor: Total downstream savings Denominator: Total number of service accounts participating. x average square footage of property		
207	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers Denominator: Baseline energy usage as reported on project applications		
208	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers Denominator: Baseline energy usage as reported on project applications		
209	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers Denominator: Baseline energy usage as reported on project applications		
210	TBD	TBD	TBD	Numerator: Number of public sector unique account and premise IDs that participated in an EE program Denominator: total number of unique account and premise IDs in the public sector Baseline to be established in 2025.	Participation is defined as the first instance of participation. Public sector customers are defined by NAICS codes.	
211	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: square footage of participating unique account and premise IDs Denominator: Square footage of all unique public sector premise and account IDs times average number of buildings per account		
212	N/A - Indicator	N/A - Indicator	N/A - Indicator	As reported by water/wastewater treatment facilities' pumping stations that respond to survey		
213	N/A	N/A	N/A	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively The adopted avoided cost methodology does not provide information to provide a meaningful value for TRC or PAC Cost per kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
214	(1)	(0)	(0)	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
215	-	34	3	PAC cost per kWh or per therm or per kW is (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
216	N/A	N/A	N/A	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW The adopted avoided cost methodology does not provide information to provide a meaningful value for TRC or PAC Cost per kW.	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
217	(1)	(0)	(0)	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
218	4	4	3	TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
219	N/A - Indicator	N/A - Indicator	N/A - Indicator	Total amount loaned through PA programs	"Total program backed financing…requiring repayment" = total loan amount	
220	TBD	TBD	TBD	Numerator: Number of public sector buildings benchmarked on Portfolio Manager Denominator: total number of public sector unique account and premise IDs Baseline to be established in 2025.	This metric includes buildings benchmarked within the calendar year	
221	N/A	N/A	N/A	Numerator: Total sector-level energy use Denominator: Number of unique public sector account and premise IDs		
222	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total square footage of public buildings benchmarked within calendar year, in Portfolio Manager Denominator: Total square footage of all benchmarked public sector buildings	This metric includes buildings benchmarked within the calendar year	
223	N/A	N/A	N/A		None	
224	N/A	N/A	N/A		None	
225	N/A	N/A	N/A		None	
226	N/A	N/A	N/A		None	
227	N/A	N/A	N/A		None	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
228	N/A	N/A	N/A		None	
229	N/A	N/A	N/A		None	
230	N/A	N/A	N/A		None	
231	N/A	N/A	N/A		None	
232	N/A	N/A	N/A		None	
233	N/A	N/A	N/A		None	
234	N/A	N/A	N/A		None	
235	N/A	N/A	N/A		Includes CO2 but not NOX and PM10 as these are not GHG equivalents. For details regarding electric C02 emissions reduction values, refer to note in cell AA5	
236	N/A	N/A	N/A		Participation is defined as the first instance of participation. Large customers are defined as those using greater than or equal to 500,000 kWh or 250,000 therms annually.	
237	N/A	N/A	N/A		Participation is defined as the first instance of participation. Medium customers are defined as those who use between 40,000-500,000kWh or 10,000-250,000 therms annually.	
238	N/A	N/A	N/A		Participation is defined as the first instance of participation. Small customers are defined as those who use less than 40,000 kWh or 10,000 therms annually.	
239	N/A - Indicator	N/A - Indicator	N/A - Indicator		Large customers are defined as those using greater than or equal to 500,000 kWh or 250,000 therms annually.	
240	N/A - Indicator	N/A - Indicator	N/A - Indicator		Medium customers are defined as those who use between 40,000-500,000kWh or 10,000-250,000 therms annually.	
241	N/A - Indicator	N/A - Indicator	N/A - Indicator		Small customers are defined as those who use less than 40,000 kWh or 10,000 therms annually.	
242	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
243	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
244	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
245	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
246	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
247	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
248	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
249	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
250	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
251	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
252	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
253	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
254	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
255	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
256	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
257	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
258	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
259	N/A	N/A	N/A		Defined as savings as a percentage of sectoral usage, based on conversations between PAs and ED.	
260	N/A	N/A	N/A		None	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
261	N/A	N/A	N/A		None	
262	N/A	N/A	N/A		None	
263	N/A	N/A	N/A		None	
264	N/A	N/A	N/A		None	
265	N/A	N/A	N/A		None	
266	N/A	N/A	N/A		None	
267	N/A	N/A	N/A		None	
268	N/A	N/A	N/A		None	
269	N/A	N/A	N/A		None	
270	N/A	N/A	N/A		None	
271	N/A	N/A	N/A		None	
272	N/A	N/A	N/A		Includes CO2 (in metric tons) but not NOX and PM10 as these are not GHG equivalents. For details regarding electric C02 emissions reduction values, refer to note in cell AA5	
273	N/A	N/A	N/A		Participation is defined as the first instance of participation. Large customers are defined as those using greater than or equal to 500,000 kWh or 250,000 therms annually.	
274	N/A	N/A	N/A		Participation is defined as the first instance of participation. Medium customers are defined as those who use between 40,000-500,000kWh or 10,000-250,000 therms annually.	
275	N/A	N/A	N/A		Participation is defined as the first instance of participation. Small customers are defined as those who use less than 40,000 kWh or 10,000 therms annually.	
276	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
277	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
278	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
279	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
280	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
281	N/A	N/A	N/A		Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
282	-	-	-	EM&V study	2018-2025 consistent with adopted goals from D.17-09-025, Tables 1, 2, and 3, p. 37-39; 2016 from CEDARS (spillover not included). Values summed across all four IOUs. "Savings" is defined as Net First year savings.	
283	-	-	-	EM&V study	2018-2025 consistent with adopted goals from D.17-09-025, Tables 1, 2, and 3, p. 37-39; 2016 from CEDARS (spillover not included). Values summed across all four IOUs. "Savings" is defined as Net First year savings.	
284	-	-	-	EM&V study	2018-2025 consistent with adopted goals from D.17-09-025, Tables 1, 2, and 3, p. 37-39; 2016 from CEDARS (spillover not included). Values summed across all four IOUs. "Savings" is defined as Net First year savings.	
285				Measures supported by CASE	Baseline and targets for measures supported are for 3 year cycle rather than annual.	
286				Measures adopted by CEC	Baseline and targets for measures supported are for 3 year cycle rather than annual.	
287				T-20 measures supported by CASE	Baseline is annual. Targets for measures supported are for 3 year cycle rather than annual. 2017 chosen as baseline since 2016 was zero.	
288				Measures adopted by CEC	Baseline is annual. Targets for measures adopted are for 3 year cycle rather than annual.	
289				Standards adopted	Baselines and targets are annual. Any federal standards based upon Title 20 that were adopted will still be included in the federal count.	
290				# IOUs supported ÷ # DOE adopted	Baselines and targets are annual.	
291	TBD	TBD	TBD	Reach Code ordinances implemented	Targets are total for a three-year Title 24 code cycle. Jurisdictions having multiple reach codes will be counted by reach code rather than by jurisdiction. Accomplishments will be reported from the CEC Reach Codes website (http://www.energy.ca.gov/title24/2013standards/ordinances/).	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
292	TBD	TBD	TBD	Number of training activities	118 live training sessions and 20 webinars in 2017; short, mid, and long-term targets are annual	
293	TBD	TBD	TBD	Number of participants	3000 attendees for live training and 600 attendees for webinars in 2017; short, mid, and long-term targets are annual. Attendees will be shown by major segment (i.e., building officials, builders, architects, HERS raters) and target size of each segment will be provided during first metrics reporting.	
294	TBD	TBD	TBD	Knowledge score	Code compliance knowledge increase will be tested via pre and post training questionaires. Surveys will be conducted for training that lasts longer than three hours (in order to preserve time for instruction in shorter training sessions). Questionaires will be made available during the first metrics reporting.	
295	TBD	TBD	TBD			
296	N/A - Indicator	N/A - Indicator	N/A - Indicator			
297	N/A - Indicator	N/A - Indicator	N/A - Indicator			
298	N/A - Indicator	N/A - Indicator	N/A - Indicator			
299	N/A - Indicator	N/A - Indicator	N/A - Indicator			
300	N/A - Indicator	N/A - Indicator	N/A - Indicator			
301						
302	TBD	TBD	TBD	Report from class registration database. Baseline to be established in 2025.		
303	TBD	TBD	TBD	Numerator: from class registration database. Denominator: Energy efficiency labor workforce within SDREN territory. Baseline to be established in 2025.	"Participation" means unique participants, meaning that one person attending two classes throughout the year would be counted as one participant. "Curriculum" refers to the portfolio of training programs and training materials offered by WE&T "Eligible target population" refers to the energy efficiency labor workforce within each PA's service territory based on the proportion of the IOU's territory population compared to that of California's population. Justification for targets is consistent with justification provided for metric above.	
304	TBD	TBD	TBD	Numerator: Participants from disadvantaged communities Denominator: Total participants Baseline to be established in 2025.	Calculation based on students with valid CA zip codes. Numerator includes students with any CA zip code.	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
305					*Applies only to programs that install, modify, repair, or maintain EE equipment where the incentive is paid to an entity other than a manufacturer, distributor, or retailer of equipment. This applicability standard is adopted from the language the July 9th ruling on workforce standards. It excludes contracts such as those for upstream incentives, Codes and Standards, and mid-stream distributor programs. "Demonstrated commitment" means that the vendor submits a plan describing how the program will provide disadvantaged workers with improved access to career opportunities in the energy efficiency industry, that they regularly report the percentage of their workforce qualifying as "disadvantaged", and that they have long-term targets for the percentage of their workforce qualifying as "disadvantaged". See "Disadvantaged worker" above. Data to support this metric will be required by new third-party program implementers as part of the upcoming solicitations.	
306	N/A - Indicator	N/A - Indicator	N/A - Indicator			
307	N/A	N/A	N/A		1) Technology priority maps (TPMs) are defined in the Business Plan 2) Technology-focused pilot: See ETP-M7	
308	N/A	N/A	N/A		1) Technology priority maps (TPMs) are defined in the Business Plan	
309	N/A	N/A	N/A		1) Technology priority maps (TPMs) are defined in the Business Plan 2) Projects are considered "initiated" when project budget has been approved and funding allocated.	
310	N/A	N/A	N/A		1) "Technology developers" – Any organization or company that develops energy efficiency and demand response technology suitable for inclusion in PA incentive programs 2) "Events" – ET Summit, webinars, and in-person meetings, as proposed by ETP implementers.	
311	N/A	N/A	N/A		1) "Technology developers" – Any organization or company that develops energy efficiency and demand response technology suitable for inclusion in PA incentive programs. 2) "Events" – ET Summit, webinars, and in-person meetings, as proposed by ETP implementers.	
312	N/A	N/A	N/A		1) "Cooperation" is defined as a process by which all parties work towards a mutual objective.	
313	N/A	N/A	N/A		1) A technology-focused pilot (TFP) will identify market barriers for a diverse range of high-impact technologies through studies, and subsequently breaking down identified barriers in collaboration with other relevant programs . 2) "Technology-focused Pilot"- Pilots that have been proposed by 3Ps in response to PA needs and that have been approved through the existing ED Ideation Process. These includes TFPs conducted in cooperation with other programs.	
314	N/A	N/A	N/A		ETP-T1 through ETP -T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets.	
315	N/A	N/A	N/A		ETP-T1 through ETP -T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets.	
316	N/A	N/A	N/A		ETP-T1 through ETP -T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets.	
317	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets.	
318	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. ETP is a non-resource program and does not make savings claims.	
319	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. ETP is a non-resource program and does not make savings claims.	
320	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. ETP is a non-resource program and does not make savings claims.	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
321	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
322	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
323	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
324	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing. "Submitted" refers to an idea submitted through a formal submission process.	
325	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
326	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	

Index	Target 2025	Target 2026	Target 2027	Methodology	Key Definitions	Proxy Explanation
327	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
328	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
329	N/A	N/A	N/A		ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing , however the commission ruled that these tracking metrics must have targets. The "statewide goals" will be tracked will be developed and updated in collaboration with ED as needed. Projects are considered "initiated" when project budget has been approved and funding allocated.	
	N/A	N/A	N/A			

Indicator	Market Support	Percent of participation relative to eligible target population for curriculum	Q	S
Indicator	Market Support	Percent of total WE&T program participants that meet the definition of disadvantaged worker	Q	S
Indicator	Market Support	Number of career and workforce readiness participants who have been employed for 12 months after receiving the training	A	S
Indicator	Market Support	Prior year percentage of new measures added to the portfolio that were previously emerging technology program (ETP) technologies	A	P
Indicator	Market Support	Prior year number of new measures added to the portfolio that were previously ETP technologies	A	P
Indicator	Market Support	Prior year percentage of new codes or standards that were previously ETP technologies	A	P
Indicator	Market Support	Prior year number of new codes and standards that were previously ETP technologies	A	P
Indicator	Market Support	Savings (lifecycle net kWh, kWh, and therms) of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available	A	P
Indicator	Market Support	Number of new, validated technologies recommended to the California Technical Forum	A	P
Indicator	Market Support	Cost-effectiveness of a technology prior to market support program relative to cost-effectiveness of a technology after intervention by the market support programs (percentage change in cost-effectiveness)	A	S
Indicator	Market Support	Number of collaborations, with a contextual descriptions, by business plan sector to jointly develop or share training materials or resources	A	P
Indicator	Market Support	Number of unique participants by sector that complete training	Q	S
Indicator	Market Support	Number of projects (outside of ETP) that validate the technical performance, market and market barrier knowledge, and/or effective program interventions of an emerging/under-utilized or existing energy efficient technology	A	P
Indicator	Market Support	Total projects completed/measures installed and dollar value of consolidated programs by sector	Q	P
Indicator	Market Support	Ratio of ratepayer funds expended to private capital leveraged by sector	Q	P
Indicator	Market Support	Percentage of partners that have taken action supporting energy efficiency by type	Q	P
Indicator	Market Support	Number of contractors (that serve in the portfolio administrator service areas) with knowledge and trained by relevant market support programs to provide quality installations that optimize energy efficiency	Q	S
Indicator	Market Support	Assessed value of the partnership by partners	A	P
Indicator	Market Support	Percent of market penetration of emerging/under-utilized or existing energy efficiency products or services	A	P
Indicator	Market Support	Percent of market participant awareness of emerging/under-utilized or existing energy efficiency products or services	A	P
Indicator	Market Support	Aggregated confidence level in performance verification by production, project, and service (for relevant programs)	A	P
Indicator	Market Support	Differential of cost defrayed from customers (e.g., difference between comparable market rate products and program products)	A	P
Indicator	Market Support	Comparisons between market-rate capital vs. capital accessed via energy efficiency programs (e.g., interest rate, monthly payment)	A	P

Pa Name: SDREN
Budget Year: 2024-2027

SDREN Unique Value Metrics

Metric/Indicator	Units of	Description	Segment	Sector	Portfolio	Numerator	Denominator	Methodology	Target 2024	Target 2025	Target 2026	Target 2027	4-Year Target
Metric	Percent	energy costs as a result of program participation	Equity	Public,	N	SDREN commercial, public, or residential	participate in SDREN commercial,	intervention	100%	100%	100%	100%	100%
Indicator	kbtu	EE savings channeled to non SDREN programs		Public,	Y	n/a	n/a	request to PA. Methodology may	n/a	n/a	n/a	n/a	n/a
Metric	Percent	% of customers channeled to non SDREN programs			Y	SDREN programs introduced to a non-SDREN	with SDREN programs	that is introduced to SDG&E, or	50%	50%	50%	50%	50%
Metric	Percent	programs/ communities (% of total budget spend)			Y	time period	Total SDREN spend	the sum of the following: funding	50%	50%	50%	50%	50%
Indicator	Count	Count of newly educated or credentialed individuals	Market Support	WE&T	N	N/A	N/A	training through an SDREN program	n/a	n/a	n/a	n/a	n/a
Metric	Percent	customers served	Equity	Public,	Y	program classified as underserved or HTR	SDREN programs	program classified as underserved	75%	75%	75%	75%	75%

SDREN	**SMB Energy Coach**	SDREN-01-COM-SMB	Commercial	Equity	Plan.	savings in equity segment, by sector
SDREN	**Efficient Refrigeration**	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment
SDREN	**Efficient Refrigeration**	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' therm savings in equity segment
SDREN	**Efficient Refrigeration**	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of all equity segment participants' TSB in equity segment
SDREN	**Efficient Refrigeration**	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Count of equity target participants in equity segment, by sector
SDREN	**Efficient Refrigeration**	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Sum of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	**Efficient Refrigeration**	SDREN-02-COM-ERF	Commercial	Equity	Provide energy efficiency services to hard-to-reach and/or underserved communities in alignment with the Commission's Environmental and Social Justice Action Plan.	Median of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	**Market Access Program**	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Count of equity target participants in resource acquisition segment, by sector
SDREN	**Market Access Program**	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Total System Benefit (TSB) Achieved
SDREN	**Market Access Program**	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Net GHG reduction
SDREN	**Market Access Program**	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Net kWh savings
SDREN	**Market Access Program**	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Net kW savings
SDREN	**Market Access Program**	SDREN-03-COM-MAP	Commercial	Resource Acquisition	Deliver cost-effective avoided cost benefits to the state's energy systems. SDREN will rely on this program to deliver the bulk of the commercial portfolio's TSB target, in alignment with the CPUC's directive to expand NMEC programs statewide.	Net therms savings
SDREN	**Codes & Standards**	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)
SDREN	**Codes & Standards**	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of training activities
SDREN	**Codes & Standards**	SDREN-01-CS-CSS	C&S	C&S	This program is designed to improve compliance with existing codes and standards, helps local governments develop ordinances that exceed statewide minimum requirements and will coordinte with other programs and entities to support the state's policy goals.	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of participants

SDREN	**Program**	SDREN-01-WET-EPP	WE&T	Market Support	form a robust professional network.	segment, by sector
SDREN	**Energy Pathways Program**	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Percent of participation relative to eligible target population for curriculum
SDREN	**Energy Pathways Program**	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Number of unique participants by sector that complete training
SDREN	**Energy Pathways Program**	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Ratio of ratepayer funds expended to private capital leveraged by sector
SDREN	**Energy Pathways Program**	SDREN-01-WET-EPP	WE&T	Market Support	Increase awareness and build accessible pathways for youth to enter the green workforce, build long-lasting careers, and form a robust professional network.	Dollar value of non-ratepayer in-kind funds/contributions utilized via partnerships
SDREN	**Workforce Training & Capacity Building**	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Percent of total WE&T program participants that meet the definition of disadvantaged worker
SDREN	**Workforce Training & Capacity Building**	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Count of equity target participants in market support segment, by sector
SDREN	**Workforce Training & Capacity Building**	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Percent of participation relative to eligible target population for curriculum
SDREN	**Workforce Training & Capacity Building**	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Number of unique participants by sector that complete training
SDREN	**Workforce Training & Capacity Building**	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Number of career and workforce readiness participants who have been employed for 12 months after receiving the training
SDREN	**Workforce Training & Capacity Building**	SDREN-02-WET-BRC	WE&T	Market Support	Build capacity in the region by working directly with employers to increase opportunities for education, training, certifications, mentorship, and job connections for energy job acquisition.	Number of partners by type and purposes
SDREN	**Climate Resilience Leadership**	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Savings (lifecycle net kWh, kWh, and therms) of measures currently in the portfolio that were supported by ETP, added since 2009. Ex ante with gross and net for all measures, with ex post where available
SDREN	**Climate Resilience Leadership**	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Count of equity target participants in market support segment, by sector
SDREN	**Climate Resilience Leadership**	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Percent of participation relative to eligible target population for curriculum
SDREN	**Climate Resilience Leadership**	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Total projects completed/measures installed and dollar value of consolidated programs by sector
SDREN	**Climate Resilience Leadership**	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Ratio of ratepayer funds expended to private capital leveraged by sector
SDREN	**Climate Resilience Leadership**	SDREN-01-PUB-CRL	Public	Market Support	Build capacity for public agency participants through education, training, and technical services and instill EE as a best practice. These goals are in alignment with the Commission MS objective to support long term success of the EE market.	Dollar value of non-ratepayer in-kind funds/contributions utilized via partnerships

SDREN	**Multifamily**	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of disadvantaged community customer participants in portfolio, by residential single-family / multifamily and commercial sector
SDREN	**Multifamily**	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of hard-to-reach customer participants in portfolio, by residential single family / multi-family and commercial sector
SDREN	**Multifamily**	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Median of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	**Multifamily**	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of equity target participants' expected first-year bill savings in equity segment, by sector
SDREN	**Multifamily**	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment
SDREN	**Multifamily**	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' kW savings in equity segment
SDREN	**Multifamily**	SDREN-01-RES-MFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' therm savings in equity segment
SDREN	**Single Family**	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' kilowatt hour (kWh) savings in equity segment
SDREN	**Single Family**	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' therm savings in equity segment
SDREN	**Single Family**	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' TSB in equity segment
SDREN	**Single Family**	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Sum of all equity segment participants' greenhouse gas reductions (in tons of carbon dioxide equivalent) in equity segment
SDREN	**Single Family**	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of equity target participants in equity segment, by sector
SDREN	**Single Family**	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Count of equity target participants in equity segment, by sector
SDREN	**Single Family**	SDREN-02-RES-SFM	Residential	Equity	The primary goal of the program is to provide energy efficiency services to hard-to-reach customers and/or disadvantaged communities in alignment with the Commission's Environment and Social Justice Action Plan.	Percent of hard-to-reach customer participants in portfolio, by residential single family / multi-family and commercial sector