

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**



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12/02/24

04:59 PM

R2005003

Order Instituting Rulemaking to Continue
Electric Integrated Resource Planning and
Related Procurement Processes.

Rulemaking 20-05-003
(Filed May 7, 2020)

**SAN DIEGO GAS & ELECTRIC COMPANY (U902 E)
DECEMBER 2024 INTEGRATED RESOURCE PLAN COMPLIANCE FILING**

PUBLIC VERSION

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Attorney for:
SAN DIEGO GAS & ELECTRIC COMPANY

December 2, 2024

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

Order Instituting Rulemaking to Continue
Electric Integrated Resource Planning and
Related Procurement Processes.

Rulemaking 20-05-003
(Filed May 7, 2020)

**SAN DIEGO GAS & ELECTRIC COMPANY (U902 E)
DECEMBER 2024 INTEGRATED RESOURCE PLAN COMPLIANCE FILING**

In accordance with the Rules of Practice and Procedure of the California Public Utilities Commission (“Commission”) and the requirements set forth in Decision (“D.”) 19-11-016, *et seq.*, San Diego Gas & Electric Company (“SDG&E”) submits this compliance filing (“Compliance Filing”). The Compliance Filing provides updated electricity procurement-related data and supporting documentation in conformance with guidance and instructions provided by the Commission’s Energy Division.

The Compliance Filing is set forth in Attachment A hereto. Additional supporting documentation is included in Attachment B.

Respectfully submitted this 2nd day of December, 2024.

/s/ Aimee M. Smith
Aimee M. Smith
8330 Century Park Court
San Diego, CA 92123
Phone: (858) 654-1644
Fax: (619) 699-5027
E-mail: amsmith@sdge.com

Attorney for
SAN DIEGO GAS & ELECTRIC COMPANY

VERIFICATION

Adam Pierce declares the following:

I am an officer of San Diego Gas & Electric Company (“SDG&E”) and am authorized to make this verification on behalf of SDG&E. I am informed and believe that the matters stated in the foregoing **DECEMBER 2024 INTEGRATED RESOURCE PLAN COMPLIANCE FILING OF SAN DIEGO GAS & ELECTRIC COMPANY** are true to my own knowledge, except as to matters which are therein stated on information and belief, and as to those matters, I believe them to be true.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct to the best of my knowledge.

Executed this 2nd day of December 2024 at San Diego, California

By: /s/ Adam Pierce/CS

Adam Pierce
Vice President of Energy Procurement and
Rates
SAN DIEGO GAS & ELECTRIC COMPANY

Attachment A

Resource Data Template

Due to the large size of this attachment, the document will be provided to Energy Division staff through the Commission's FTP site.

Attachment B

Supporting Documentation

Attachment B: Supporting Documentation

Attachment B1: Crosswalk Cover Page
PUBLIC AND **CONFIDENTIAL**

Attachment B2: Notification of COD – Bottleneck ES

Attachment B3: Notification of COD – Cald ES

Attachment B4.a: 
CONFIDENTIAL

Attachment B4.b: 
CONFIDENTIAL

Attachment B4.c: Luna Daggett Eng Assessment Report
CONFIDENTIAL

Attachment B4.d: SDGE Luna Valley -Daggett 1 Engineering Assessment
CONFIDENTIAL

Attachment B4.e: Luna Daggett - 8760 - 454MWh_113.5MW
CONFIDENTIAL

Attachment B5.a: 
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Attachment B6:



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SDGE ES1B Group 2 EEI RA Confirm_7-22-2024

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Attachment B1

Crosswalk Cover Page

PUBLIC VERSION

Highlighted information is confidential

Document Name	USF Unique Contract ID	Milestone Requirement Met and/or NP Contract Validation	Decision & Tranche(s)	Compliance Filing Date	Location	Notes
SDGE_Ormat_Bottleneck Storage_PPA	Bottleneck Storage	Milestone 1 - Executed Contract, NP Contract validation	D. 21-06-035 - MTR Tranche 1&2	February 1, 2023 Compliance Filing	Bottleneck Folder, Attachment B2g pg. 85 of the PDF - Appendix 1.1.1 lists "Expected Contract Capacity" for each year of the delivery term	
	Bottleneck Storage		D. 21-06-035 - MTR Tranche 1&2	February 1, 2023 Compliance Filing	Bottleneck Folder	
	Bottleneck Storage		D. 21-06-035 - MTR Tranche 1&2	February 1, 2023 Compliance Filing	1) Attachment B2.d 2) Attachment B2.b 3) Attachment B2.e 4) Attachment B2.f	
	Bottleneck Storage		D. 21-06-035 - MTR Tranche 1&2	December 1, 2023 Compliance Filing	Bottleneck Folder, Attachment B2.a pg. 3 of the PDF	
	Bottleneck Storage		D. 21-06-035 - MTR Tranche 1&2	December 1, 2023 Compliance Filing	Bottleneck Folder, Attachment B2.a pg. 2-3 of the PDF	
	Bottleneck Storage		D. 21-06-035 - MTR Tranche 1&2	June 1, 2024 Compliance Filing	Bottleneck Energy Storage Folder, Attachment B2 p. 2 of PDF under "Milestone Report"	
	Bottleneck Storage	Milestone 3 - Online Status	D. 21-06-035 - MTR Tranche 1&2	December 1, 2023 Compliance Filing	Bottleneck ES Folder, Attachment B2	
B2 - Notification of COD - Bottleneck ES.pdf	Bright Canyon / Los Alamitos 1	Milestone 3 - Online Status	D. 19-11-016 Tranche 1&3	December 1, 2023 Compliance Filing	Bright Canyon Los Alamitos 1 Folder, Attachment B3.a	
EXTERNAL Notification of Commercial Operation (COD) - BCE Los Alamitos 2	Bright Canyon / Los Alamitos 2	Milestone 3 - Online Status	D. 19-11-016 Tranche 1&3	December 1, 2023 Compliance Filing	Bright Canyon Los Alamitos 2 Folder, Attachment B4.a	
SDGE_Alpa_Cold Storage_PPA	Cald-Bess LLC	Milestone 1 - Executed Contract, NP Contract validation	D. 21-06-035 - MTR Tranche 1&2	February 1, 2023 Compliance Filing	Cald Folder, Attachment B5.e pg. 80 of the PDF - Appendix 1.1.1 lists "Expected Contract Capacity"	
	Cald-Bess LLC		D. 21-06-035 - MTR Tranche 1&2	February 1, 2023 Compliance Filing	Cald Folder, Attachment B5.b	
	Cald-Bess LLC		D. 21-06-035 - MTR Tranche 1&2	February 1, 2023 Compliance Filing	Cald Folder, Attachment B5.c	
	Cald-Bess LLC		D. 21-06-035 - MTR Tranche 1&2	February 1, 2023 Compliance Filing	Cald Folder, Attachment B5.d	
	Cald-Bess LLC		D. 21-06-035 - MTR Tranche 1&2	December 1, 2023 Compliance Filing	Cald Folder, Attachment B5.a	
	Cald-Bess LLC		D. 21-06-035 - MTR Tranche 1&2	June 1, 2024 Compliance Filing	pg. 3 of the PDF under "Milestone Report" Cald Energy Storage, Attachment B3	
B3 - Notification of COD - Cald ES.pdf	Cald-Bess LLC	Milestone 3 - Online Status	D. 21-06-035 - MTR Tranche 1&2	December 1, 2023 Compliance Filing	p. 3 of the PDF under "Milestone Report" Cald ES Folder, Attachment B3	
Clearway-SDGE - Daggett 1 Tolling Agreement_4-11-2023.pdf	Daggett Storage	Milestone 1 - Executed Contract, NP Contract validation	D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	August 1, 2023 Compliance Filing	Daggett Storage, Attachment B6.a pg. 74 of the PDF - Appendix 1.1.1 lists "Expected Contract Capacity"	
	Daggett Storage		D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	June 1, 2024 Compliance Filing	Daggett Energy Storage Folder, Attachment B4	
	Daggett Storage		D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	December 1, 2024 Compliance Filing	Daggett ES Folder, Attachment B4a	
	Daggett Storage		D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	December 1, 2024 Compliance Filing	Daggett ES Folder, Attachment B4b; P. 2 - highlighted section	
B4.c Luna Daggett Eng. Assessment Report.pdf B4.d SDGE Luna Valley - Daggett 1 Engineering Assessment.pdf B4.e Luna Daggett - 57620 - 65AMWH_113.SMAW.pdf	Daggett Storage	Engineering Assessment	D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	December 1, 2024 Compliance Filing	Daggett ES Folder, Attachments B4.c, B4.d, B4.e	
SDGE_Terra-Gen_Edwards Sanborn Storage_Long Form Confirmation.pdf	Edwards Sanborn	Milestone 1 - Executed Contract, NCC value is shown in the contract for each resource ID that makes up the contract quantity of 20 MW	D. 21-06-035 - MTR Tranche 1	February 1, 2023 Compliance Filing	Edwards Sanborn RA Only MTR folder, Attachment B7.a pg. 20 of PDF "3.4 Contract Quantity" pp. 34-41, "Appendix B Unit Information and Project Description"	
[no document, provided resource IDs for the existing resource]	Edwards Sanborn RA-only MTR	Milestone 3 - Online Status	D. 21-06-035 - MTR Tranche 1	February 1, 2023 Compliance Filing	CAISO Master Generating Capability List • EDWARD_2_ES1581 • SANBRN_2_ES1B73 • EDWARD_2_ES2B73 • SANBRN_2_ES2B83 • EDWARD_2_E23581 • SANBRN_2_SS2584 • EDWARD_2_ESS581 • EDWARD_2_ESS582	
Clearway-SDGE - Luna Valley PPA_4-11-23.pdf	Luna Valley Solar	Milestone 1 - Executed Contract, NP Contract validation	D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	August 1, 2023 Compliance Filing	Luna Valley Solar Folder, Attachment B8.a pg. 20 of PDF "3.10," pg. 67 of PDF "exhibit A" provides nameplate capacity of the project; pg. 84 of PDF provides Operating Restrictions	
	Luna Valley Solar		D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	June 1, 2024 Compliance Filing	Luna Valley Solar Folder, Attachment B6	
	Luna Valley Solar		D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	December 1, 2024 Compliance Filing	Luna Valley Solar Folder, Attachment B5a	
	Luna Valley Solar		D. 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	December 1, 2024 Compliance Filing	Luna Valley Solar Folder, Attachment B5b; P. 2 - highlighted section	

Document Name	LSF Unique Contract ID	Milestone Requirement Met and/or NP Contract Validation	Decision & Tranche(s)	Compliance Filing Date	Location	Notes
B5.c Luna Daggett Eng Assessment Report.pdf B5.d SDGE Luna Valley - Daggett 1 Engineering Assessment.pdf B5.e Luna Daggett - 2760 - 654MWh - 113.5MW.pdf	Luna Valley Solar	Engineering Assessment	D: 21-06-035 - MTR 3, 4, and ZE_Gen_Paired	December 1, 2024 Compliance Filing	Luna Valley Solar Folder, Attachment B5.c, B5.d, B5.e	
SDGE-Cajonc_Long_Duration_Energy_Storage_PPA_Execution_Version_4.11.23.pdf	Nova Power Bank Storage	Milestone 1 - Executed Contract, NP Contract Validation	D: 21-06-035 - MTR Tranche 4 & 5	August 1, 2023 Compliance Filing	Nova Power Bank Storage Folder, Attachment B9.c pg. 77 of the PDF - Appendix 1.1.1 lists "Expected Contract Capacity"	
	Nova Power Bank Storage		D: 21-06-035 - MTR Tranche 4 & 5	December 1, 2023 Compliance Filing	Nova Power Bank Storage Folder, Attachment B9.b	
	Nova Power Bank Storage		D: 21-06-035 - MTR Tranche 4 & 5	December 1, 2023 Compliance Filing	Nova Power Bank Storage Folder, Attachment B9.a	
	Nova Power Bank Storage		D: 21-06-035 - MTR Tranche 4 & 5	December 1, 2023 Compliance Filing	Nova Power Bank Folder, Attachment B6: pp. 2-3 Highlighted sections	
	Ortega Grid		D: 19-11-016 Tranche 2&3	December 1, 2023 Compliance Filing	Ortega Folder, Attachment B10.a	
	Ortega Grid		D: 19-11-016 Tranche 2&3	June 1, 2024 Compliance Filing	Ortega Energy Storage Folder, Attachment B7	
	Ortega Grid		D: 19-11-016 Tranche 2&3	December 1, 2024 Compliance Filing	Ortega ES Folder, Attachment B7	
Notification of Commercial Operation (COO) - Bateria Del Sur WESCAN_2_BDSRTI.pdf	Westside Canal (Bateria Del Sur)	Milestone 3 - Online Status	D: 21-06-035 - MTR Tranche 1&2	August 1, 2023 Compliance Filing	Westside Canal Bateria Del Sur Folder, Attachment B11.a	
Yellow Pine Solar III LLC PPA 01-24-2023 - Fully Executed.pdf	Yellow Pine Solar III	Milestone 1 - Executed Contract, NP Contract Validation	D: 21-06-035 - MTR Tranche 3 and ZE_Gen_Paired	August 1, 2023 Compliance Filing	Yellow Pine Folder, Attachment B12.b	
	Yellow Pine Solar III		D: 21-06-035 - MTR Tranche 3 and ZE_Gen_Paired	December 1, 2023 Compliance Filing	pg. 101 of PDF - Appendix 1.1.1 lists Expected Contract Capacity for Generation and Energy Storage. pg. 102 of the	
	Yellow Pine Solar III		D: 21-06-035 - MTR Tranche 3 and ZE_Gen_Paired	December 1, 2023 Compliance Filing	Yellow Pine Folder, Attachment B12.a	
EdSan IB Group 2 - Online Status	EDSAN_IB GROUP 2, LLC	Milestone 3 - Online Status	D: 21-06-035 - MTR Tranche 2&5	June 1, 2024 Compliance Filing	Yellow Pine Folder, Attachment B12.c EDSAN_IB GROUP 2 FOLDER ATTACHMENT B5.b	Initial Delivery Date for this PPA was achieved on 10/16/2024
EdSan IB Group 2 - Executed Contract	EDSAN_IB GROUP 2, LLC	Milestone 1 - Executed Contract, NP Contract Validation	D: 21-06-035 - MTR Tranche 2&5	June 1, 2024 Compliance Filing	EDSAN_IB Group 2 Folder, Attachment B5.a p. 80 of pdf - Appendix 1.1.1 lists "Expected Contract	
B8 - SDGE ES1B Group 2 EEI RA Confirm 7-22-2024	EDSAN_IB GROUP 2, LLC	Milestone 1 - Executed Contract	D: 21-06-035 - MTR Tranche 2&5	December 1, 2024 Compliance Filing	EDSAN_IB Group 2 Folder, Attachment B8	

Attachment B2

Notification of COD – Bottleneck ES

From: rims-noreply@caiso.com
To: [BESS Asset Management](#)
Cc: jwellman@gridsme.com; mbertsch@gridsme.com; lpate@gridsme.com; kgormley@gridsme.com; cgallegos@gridsme.com; nri@gridsme.com; [Raz Shaubi](#); [Zohar Sharabi](#); [Paolo Alvarado](#); [Peter Rubinshtein](#); [Itay Hershkovitz](#); [Amir Junger](#); nri@caiso.com
Subject: [External Email Alert] Notification of Commercial Operation (COD)- Bottleneck Energy Storage VESTAL_2_BTNBT1
Date: Friday, October 18, 2024 5:57:11 PM

EXTERNAL EMAIL - BE CAUTIOUS!!!
Look closely at the **SENDER** address
Do not open **ATTACHMENTS** unless expected
Check for **INDICATORS** of phishing
REPORT USING THE PHISHING BUTTON OR FORWARD TO PHISHING@ORMAT.COM

All,

The CAISO has received a request for Bottleneck Energy Storage stating that the resource has completed start-up testing and is available for commercial operations beginning, 10/19/2024. This resource of 80.00 MW Battery is located in Tulare County, 21642 Avenue 24 Richgrove CA 93261.

NRI has received internal approval for the COD and have notified all relevant parties for:

Resource ID: VESTAL_2_BTNBT1
POD: Vestal 230kV Bus
SCID:
COD MW: 80.00

Thank you for your efforts throughout the implementation process and for participating in the CAISO markets please let us know if there are any questions. If you have any feedback on the NRI process, please consider filling out our survey here: <https://www.surveymonkey.com/r/PostCOD>

Thank you,
New Resource Implementation

The foregoing electronic message, together with any attachments thereto, is confidential and may be legally privileged against disclosure other than to the intended recipient. It is intended solely for the addressee(s) and access to the message by anyone else is unauthorized. If you are not the intended recipient of this electronic message, you are hereby notified that any dissemination, distribution, or any action taken or omitted to be taken in reliance on it is strictly prohibited and may be unlawful. If you have received this electronic message in error, please delete and immediately notify the sender of this error.

Attachment B3

Notification of COD – Cald ES

Steve Jahnke

From: Steve Jahnke
Sent: Tuesday, July 2, 2024 12:10 PM
To: Steve Jahnke
Subject: FW: Notification of Commercial Operation (COD)- Cald BESS Phase 1 LAGBEL_2_CBPBT1

From: rims-noreply@caiso.com <rims-noreply@caiso.com>
Sent: Monday, July 1, 2024 4:21 PM
To: Swaraj Jammalamadaka <Swaraj@aypa.com>
Cc: nri@gridsme.com <nri@gridsme.com>; Interconnection - CAISO NRI <ic.caiso.nri@aypa.com>; Shane O'Brien <sobrien@aypa.com>; Sam Holing <sholing@aypa.com>; Swaraj Jammalamadaka <Swaraj@aypa.com>; cgallegos@gridsme.com <cgallegos@gridsme.com>; kgormley@gridsme.com <kgormley@gridsme.com>; mbertsch@gridsme.com <mbertsch@gridsme.com>; nri@caiso.com <nri@caiso.com>
Subject: Notification of Commercial Operation (COD)- Cald BESS Phase 1 LAGBEL_2_CBPBT1

All,

The CAISO has received a request for Cald BESS Phase 1 that the resource has completed start-up testing and can declare commercial operations. This resource is located in Los Angeles County, 2241 East 89th St Los Angeles CA 90002.

NRI has received internal approval for the COD and have notified all relevant parties for:

Resource ID: LAGBEL_2_CBPBT1
POD: LAGBEL 230KV Bus
SCID:
COD MW: 100.00

At this point please fill out and upload, the appropriate posted commercial operations template letter. Web Link to Bucket 6: <https://www.caiso.com/participate/Pages/NewResourceImplementation/Default.aspx> . In order to complete the declared Commercial Operation Date the COD letter can be dated on or after the stated date in this email.

Thank you for your efforts throughout the implementation process and for participating in the CAISO markets please let us know if there are any questions.

Thank you,
New Resource Implementation

The foregoing electronic message, together with any attachments thereto, is confidential and may be legally privileged against disclosure other than to the intended recipient. It is intended solely for the addressee(s) and access to the message by anyone else is unauthorized. If you are not the intended

recipient of this electronic message, you are hereby notified that any dissemination, distribution, or any action taken or omitted to be taken in reliance on it is strictly prohibited and may be unlawful. If you have received this electronic message in error, please delete and immediately notify the sender of this error.

Attachment B4.a



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Attachment B4.b



CONFIDENTIAL

Attachment B4.c

Luna Daggett Eng Assessment Report

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Attachment B4.d

SDGE Luna Valley -Daggett 1 Engineering Assessment

CONFIDENTIAL

Attachment B4.e

Luna Daggett - 8760 - 454MWh_113.5MW

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Attachment B5.a



CONFIDENTIAL

Attachment B5.b



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Attachment B5.c

Luna Daggett Eng Assessment Report

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Attachment B5.d

SDGE Luna Valley -Daggett 1 Engineering Assessment

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Attachment B5.e

Luna Daggett - 8760 - 454MWh_113.5MW

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Attachment B6



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Attachment B8

SDGE ES1B Group 2 EEI RA Confirm_7-22-2024

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