



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

FILED

10/09/23

04:59 PM

R1909009

Order Instituting Rulemaking Regarding
Microgrids Pursuant to Senate Bill 1339 and
Resiliency Strategies

R. 19-09-009

**SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) COMPLIANCE FILING
OF THE COMMUNITY MICROGRID ENABLEMENT TARIFFS FOR ITSELF,
PACIFIC GAS AND ELECTRIC COMPANY (U 39-E), AND SAN DIEGO GAS &
ELECTRIC COMPANY (U 902-E)**

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Dated: October 9, 2023

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I.

INTRODUCTION

Pursuant to California Public Utilities Commission (CPUC or Commission) Rules of Practice and Procedure 16.1(d), Southern California Edison Company (SCE) submits this compliance filing on behalf of itself, Pacific Gas and Electric Company (PG&E), and San Diego Gas & Electric Company (SDG&E) (subsequently referred to in this response as the Joint Investor-Owned Utilities (IOUs)¹) to the record for the CPUC’s Microgrid Order Instituting Rulemaking (OIR) proceeding (R.19-09-009). On July 18, 2023, the Commission released a scoping memo and ruling for Track 5 of the Microgrid OIR directing the IOUs to each submit a pro-forma standard Multi-Property Microgrid Tariff based on PG&E’s existing Community Microgrid Enablement tariff (CMET), and any utility-specific deviations, to the record on

¹ Pursuant to Rule 1.8(d) of the California Public Utilities Commission’s Rules of Practice and Procedure, PG&E and SDG&E have authorized SCE to file this response on their behalf.

October 9, 2023. This filing includes the following documents from the IOUs submitted pursuant to the directives of the scoping memo and are included as attachments.

- Attachment A: PG&E
 - Narrative Summary of filing documents
 - Table Summary of Changes to Revised CMET
 - Redline version of Revised CMET
 - Clean version of Revised CMET – Page 24 of Attachment A
- Attachment B: SCE
 - Clean version of Multi-Property Microgrid Tariff
 - Table Summary of changes to Multi-Property Microgrid Tariff compared to PG&E Revised CMET
- Attachment C: SDG&E
 - Clean version of Multi-Premise Microgrid Enablement Tariff
 - Table Summary of changes compared to PG&E's CMET

II.

CONCLUSION

The IOUs appreciate the opportunity to submit their proposed pro forma multi-property microgrid tariffs to the record along with supporting documentation to provide greater information and clarity. Please contact Jennifer Pezda at jennifer.pezda@sce.com if you have any questions.

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Date October 9, 2023

Attachment A

PG&E

Summary of CMET Revisions

In this attachment, PG&E provides a general description by category of the changes it proposes to the CMET for purposes of a Pro-Forma Standard Multi-Property Microgrid Tariff (MPMT). Each of the proposed changes to the CMET are identified and summarized in “PG&E’s Summary of Changes to Community Microgrid Enablement Tariff table below. Additionally, all changes to CMET are presented in redline form to the tariff as well as a clean revised version.

A. Align Definitions for the Microgrid Incentive Program

PG&E proposes several edits to the defined terms section to provide clarity and to align definitions with the MOA. Updates are based on learnings from collaboration with Southern California Edison Company (SCE) and San Diego Gas & Electric Company (SDG&E) on the development of the Joint IOU MIIP, development of the MIP Handbook, as well as modifications to the MOA for PG&E’s first community microgrid project, the Redwood Coast Airport Microgrid. The updated definitions in the tariff now also align with the definitions in the Pro Forma MOA and many¹ of the definitions used in the MIP Handbook. Some improvements to definitions also resulted in the need to add new defined terms such as Grid-Forming Project Resource(s) and Non-Project Resource(s).

B. Integrate MIP-Specific Update

With the implementation of MIP, PG&E proposes one MIP-specific update to the CMET in Section 8.1 – CMET Services and Fees. In Section 8.2 PG&E notes that CMET may cover eligible Microgrid Islanding Study fees and Microgrid Special Facility costs. For consistency in Section 8.1, PG&E recommends pointing out that MIP may cover eligible interconnection study fees and subsequent interconnection upgrade costs.

C. Reflect Updated Processes

Two proposed updates were made to address changes to PG&E’s processes and requirements for community microgrid applicants. First, the Pre-Application Study and Pre-Application Report are no longer a requirement prior to submitting an application. In practice, PG&E found that this process, adapted from the Rule 21 interconnection process, was not always necessary depending on the specifics of the project involved and could introduce unnecessary delays. Therefore, PG&E has made Section 3.4 optional and removed reference to the Microgrid Pre-Application Study under Section 8.2. Second, PG&E modified the last sentence of Section 6.2 to inform that PG&E has published a list of microgrid equipment in PG&E’s Microgrid Technical Best Practices Guide and has an established process for vendors to seek acceptance of microgrid equipment.

¹ Where possible, PG&E adopted definitions from the MIIP, however some definitions in the MIIP were broadened to apply to SCE, SDG&E, and PG&E, whereas the definitions in the Pro Forma MOA and CMET are PG&E specific.

D. Improve Clarity, Readability, and Accuracy of CMET

PG&E proposes several minor edits throughout the CMET for clarity, grammatical corrections, correction of inadvertent errors, and clarification of defined terms. As an example, in Section 6.1 the previous language was unintentionally written in a way that could be interpreted to mean the Microgrid Islanding Study is optional. This has been updated to clarify the MIS is a required study.

E. Remove Mention of Experimental Tariff

To replace the experimental CMET Schedule with the Multi-Property Microgrid Tariff, PG&E proposes to update Sections 1, 13.1, and 14.13. Section 1 explains that the updated CMET will supersede the previous experimental CMET in its entirety once it becomes effective. Section 13.1 removes mention of an “experimental tariff” and specifies how it will modify the Schedule, rather than suspend service. Lastly, in Section 14.2, the defined term for “Effective Date” is updated to specify the date upon which the CPUC makes this Schedule effective.

Key	
CGI	Clarity, Grammar or Inadvertent Error
DT	Defined Term/Not Defined Term
O	Other
MPMT	Multi-Property Microgrid Tariff

PG&E's Summary of Changes to Community Microgrid Enablement Tariff (CMET)

Section	Change	Justification	Category
1	Replace first sentence	Modify for purposes of Multi-Property Microgrid Tariff	MPMT
1	Remove "As an experimental tariff"	Modify for purposes of Multi-Property Microgrid Tariff	MPMT
3.1	Capitalize "Distribution Customers"	Added Distribution Customer as a defined term	DT
3.3	Remove "exporting energy producing resources"	Only the Grid-Forming Project Resource needs to be an exporting energy producing resource which is specified in the definition	O
3.3	Add "including a Grid-Forming Project Resource"	Clarifying that a Grid Forming Project is required	CGI
3.4	Make Pre-Application Report optional	PG&E no longer sees a need to require a Pre-Application Report. This is optional for applicants	O
3.5	Modify for clarity	CMET Aggregator is not a defined term and the was made to sound different from the CMG Aggregator which was unintended	CGI
3.5	Remove "applicable Interconnection Agreement(s) Rule 24"	Removing inapplicable language	O
5.2	Add "each of"	Clarifying that each Project Resource needs a separate Interconnection Study Application	CGI
6.1	Add "begin the mandatory"	Clarifying the MIS is mandatory	CGI
6.2	Remove unnecessary part of MIS description	Removed unnecessary language to align with MIS definition in the definitions sections	DT
6.2	Modify to reflect process updates	Updated last sentence in the paragraph to reflect where PG&E has published list of Microgrid equipment	O
7.1(c)	Replace "A third party aggregator" with "The entity"	Updated for clarity since it previously read as though the third party aggregator was different from the CMG Aggregator	CGI
7.1(c)	Remove "and any demand side management resources"	This sentence made it sound like demand side resources are not part of the Project Resource definition	CGI
7.2	Replace "Project" with "Microgrid"	Updated for clarity; "Microgrid SFA" is a defined term	DT

Key	
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7.2	Add "Microgrid"	"Microgrid Special Facilities Agreements" is the correct defined term	DT
7.2(a)	Add "Microgrid"	"Microgrid Special Facilities Agreements" is the correct defined term	DT
7.2(a)	Replace "CMET" with "CMG"	"CMG Aggregator" is the correct defined term	DT
8.1	Remove 8.1 term	Superfluous and unclear term	O
8.2 (previously 8.3)	Remove "Pre-Application Study"	PG&E no longer sees a need to require a Pre-Application Study. This is optional for applicants	O
8.2 (previously 8.3)	Add that interconnection study fees may be covered by MIP	Add that interconnection study fees may be eligible under MIP	O
8.2 (previously 8.3)	Add "Microgrid"	"Microgrid Special Facilities" is the correct defined term	DT
9.1	Remove "Bundled"	Clarifying that billing for PG&E Customers remains unchanged under CMET and allows different rates for non-PG&E customers (e.g., wholesale customers)	CGI
10.1	Modify 10.1 to reference 9.3	Added to clarify that Section 10.1 is not meant to override Section 9.3	
10.1	Add "may be" and "but are not required to"	Clarifying Project Resources are not required to participate in the CAISO market	CGI
12.2	Add "or as otherwise provided under this Schedule"	Clarifying PG&E has a right to terminate under Section 7.2.b if PG&E and CMG Aggregator can't reach agreement on the MOA	CGI
13.1	Replace 13.1 term	Modify for purposes of Multi-Property Microgrid Tariff	MPMT
Definitions			
14.4	CMET Project	Aligning with MIP MOA	O
14.6	Modify "Community Microgrid Aggregator" definition	The definition now points to Section 7.1.c to harmonize the definition.	O
14.7	Add "Community Microgrid Balance of System"	Community Microgrid Balance of System was added as a new capitalized term	O
Removed # Previously 14.8	Remove "Critical Facility" definition	Term is not used in the tariff	DT
14.9	Add "Distribution Customer" definition	Distribution Customer was added as new capitalized term	O

Key	
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14.10	Modify "Distribution Provider" definition	Aligning with MIP MOA	O
14.11	Modify "Distribution Service" definition	Aligning with MIP MOA	O
14.12	Modify "Distribution System" definition	Aligning with MIP MOA	O
14.13	Modify "Effective Date" definition	Update for purposes of Multi-Property Microgrid Tariff	MPMT
14.14	Capitalize "Scheduled Island Mode Operation"	Scheduled Island Mode Operation is a defined term	DT
14.15	Modify "Distribution System" definition	Remove "May also be referred to as a Project Resource" since the definition for Project Resource is broader than a Generating Facility	O
14.16	Add "Grid-Forming Project Resource(s)" definition	Added new definition based on modifications to the term Project Resource	DT
Removed # Previously 14.15	Remove "High Fire Threat District" definition	Term is not used in the tariff	DT
14.17	Modify "Interconnection Agreement" definition	Aligning with MIP MOA	O
14.19	Modify "Island Mode" definition	Aligning with MIP MOA	O
14.20	Replace "electrical boundary" with "Microgrid Boundary"	Microgrid Boundary is a capitalized term	DT
14.21	Add "Blue Sky Mode"	Aligning with MOA; Add clarity that "run in parallel" means Blue Sky Mode	CGI
14.22	Modify "Microgrid Islanding Point" definition	Aligning with MIP MOA	O
14.23	Modify "Microgrid Island Study" definition	"distribution facilities" is not a capitalized term; capitalized "Island Mode" since it is a defined term	DT
14.24	Modify "Microgrid Operating Agreement" definition	The definition now points to Section 7.2 to harmonize the definition.	DT
14.25	Modify "Microgrid Pre-Application Study" Definition	Specifying the Microgrid Pre-Application Study is optional	O
14.26	Modify "Microgrid Special Facilities" definition	Aligning with MIP MOA	O
Removed # Previously 14.27	Remove "Outage Prone Area" definition	Term is not used in the tariff	DT

Key	
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MPMT	Multi-Property Microgrid Tariff

14.28	Add "Non-Project Resource(s)" definition	New term to distinguish from resources that are not Project Resources	DT
Removed # Previously 14.28	Remove "PG&E Bundled Customer"	Term is not used in the tariff	DT
14.29	Modify "Project Resource(s)" definition	Aligning with MIP MOA	O
Removed # Previously 14.31	Remove "Service Facilities" definition	Term is not used in the tariff	DT
Removed # Previously 14.33	Remove "Special Facilities Agreement" definition	Term is not used in the tariff	DT
14.32	Modify "System Change" definition	Capitalize "Non-Project Resources" since it is a capitalized term	DT
Removed # Previously 14.35	Remove "Unscheduled Island Mode Operation" definition	Term is not used in the tariff	DT



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 1

1. APPLICABILITY: ~~The Community Microgrid Enablement Tariff (CMET) schedule (Schedule CMET or this Schedule) implements, in part, on an experimental basis the Community Microgrid Enablement Program (CMEP) pursuant to Public Utilities Commission (CPUC) Decision (D.) D.20-06-017 and CPUC Resolution E-5127. Schedule Community Microgrid Enablement Tariff (CMET) is intended to supersede the previous experimental CMET in its entirety as of the date that schedule CMET becomes effective.~~
This CMET governs the eligibility, engineering studies, development, and island and transitional operation of Community Microgrids, as defined herein. ~~As an experimental tariff,~~ this Schedule is available, on a first-come, first-served basis, to applicants (CMET Applicants) who (i) meet the CMET Eligibility Criteria in Section 3, and (ii) submit a complete CMET Application (Application). This Schedule will close to CMET Applicants on the date set forth in Section 4, below. Capitalized terms specific to this tariff are defined in section 14 below.
2. TERRITORY: This schedule applies throughout PG&E's electric service area.
3. CMET ELIGIBILITY CRITERIA:
 1. Community Microgrid: The CMET Project must meet the needs of at least two customers or two customer premises connected by PG&E's distribution infrastructure within the Microgrid Boundary. All customers within the Microgrid Boundary of the CMET Project must be PG&E retail ~~D~~istribution ~~C~~customers; provided that, where PG&E determines in its sole discretion that inclusion of electrical loads or customers which do not take PG&E retail distribution service in a CMET Project will benefit PG&E retail ~~d~~istribution ~~e~~customers, PG&E may agree to the inclusion of such loads and/or customers and will submit a notice of and justification for this determination through a Tier 1 Advice Letter. (T)
(T)
 2. Location: The CMET project must be located in an area served, entirely or in part, by PG&E retail distribution service.

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Advice 6377-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	October 22, 2021
Effective	October 22, 2021
Resolution	

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ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 2

3. CMET
ELIGIBILITY
CRITERIA
(Cont'd.)

3. Community Microgrid Parameters: The CMET Project must include interconnected ~~exporting energy producing resources~~ (Project Resources,) including a Grid-Forming Project Resource, that do not exceed 20MW in aggregated export capacity within a clearly defined Microgrid in PG&E's Distribution System; the CMET Project must act as a single, controllable entity; the CMET Project must be able to connect to, disconnect from, and run in parallel with larger portions of the electrical grid; and the CMET Project must be capable of maintaining electrical supply and service quality when isolated to connected customers during larger grid disturbances. Project Resources must be interconnected to PG&E's Distribution System pursuant to PG&E's Wholesale Distribution Tariff, Attachment I "Generator Interconnection Procedures" (WDT GIP) and/or Electric Rule 21 as applicable.

(D)

(D)

(T)

4. Pre-Application Report: The CMET Applicant must has the option to complete a Community Microgrid Pre-Application Report (CM Pre-Application Report) and consultation with PG&E prior to submitting a CMET Application.

(T)

5. Applicant Experience: The CMET Applicant must provide to PG&E an attestation that at least one current member of its development team has: (a) completed the development of at least one microgrid project of similar technology and capacity; or (b) begun construction of at least one other project of similar technology and capacity. The CMET Applicant must identify the entity(ies), if not the Applicant, that will be responsible for: (1) development of the CMET Project; and (2) the entity that will be the CMET Aggregator responsible for acting as CMG Aggregator to coordinate-coordinated operation of the CMET Project with PG&E pursuant to applicable Interconnection Agreement(s) Rule 24 and an executed CMET Microgrid Operating Agreement ("CMET MOA" or "MOA").

(Continued)



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 3

(N)
(N)

4. CMET PERIOD CMET Availability Period: The CMET shall begin on the Effective Date and shall continue thereafter until the CPUC directs, approves, or makes effective a request by PG&E that this tariff be closed. At the close of the CMET, this Schedule will close to new Applications and no new CMET MOAs will be offered by PG&E. Applications submitted prior to the close will continue to be processed under this Schedule, unless otherwise directed by the CPUC. Any MOA executed under this Schedule will continue in effect pursuant to the terms of the agreement.

(N)

5. INTERCON-
NECTION
STUDIES

1. Each Project Resource is required to be interconnected to PG&E's Distribution System under PG&E's WDT GIP or Electric Rule 21, according to the applicability of each of those tariffs.
2. Interconnection Study: A CMET Project will require a separate application for Interconnection Study of each of a CMET Project's proposed Project Resources pursuant to PG&E's WDT GIP or Electric Rule 21, as applicable, for each of the Generating Facilities participating as a Project Resource.
3. Interconnection Agreement: The Interconnection Study will identify any required Interconnection Facilities, Distribution Upgrades, or Network Upgrades consistent with PG&E's WDT GIP and Electric Rule 21, as applicable. The CMET Project is required to execute an Interconnection Agreement for each Project Resource.
4. Applicant may continue with the interconnection of resources under PG&E's WDT GIP or Rule 21 independent of a withdrawn CMET Application.

(N)

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 19, 2021
April 19, 2021
E-5127

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ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 4

(N)

(N)

**6. MICROGRID
ISLANDING
STUDY**

1. In advance of the completion of the Interconnection Study, PG&E and the CMET Applicant may, at each party's discretion, agree to ~~begin the mandatory~~proceed with a Microgrid Islanding Study.
2. Once it has received an agreement with the Applicant to do so, PG&E will conduct a Microgrid Islanding Study, requiring cooperation of the Applicant, to ensure the operational safety and stability of the Community Microgrid during Islanded Operations, to determine i) the engineering and operational viability of the proposed CMET Project's Microgrid Boundary, ii) protection requirements to ensure faults within the microgrid can be detected when in Island Mode, iii) controls requirements to ensure power quality is maintained when in Island Mode, iv) telemetry and cybersecurity requirements, iv) and the required electrical system upgrades (Special Facilities) to establish the CMET Project Microgrid Boundary and microgrid operational controls, and v) the non-binding preliminary estimated costs and scheduled completion date for such Special Facilities, that will be required to enable the CMET Project. This Microgrid Islanding Study will include a description of operations for the CMET Project that includes a logical architecture for the associated protection, controls, communications, cybersecurity, and other system components. One outcome of the Microgrid Islanding Study will be to produce a required Microgrid Special Facilities Agreement, pursuant to Electric Rule 2. Customer-owned microgrid controllers and protective relays must be validated by PG&E for the interoperability with PG&E's electric distribution system. PG&E ~~has will~~ published a list of ~~approved~~ equipment for microgrids in PG&E's Community Microgrid Technical Best Practices Guide and ~~has an established process open and objective criteria~~ for vendors to seek acceptance of equipment by PG&E.
3. CMET Applicant Review
 - a. CMET Applicant will have up to 30 calendar days to review the Microgrid Islanding Study and sign the Microgrid Special Facilities Agreement (Microgrid SFA).
 - b. If, after review of the Microgrid Special Facilities Agreement, the CMET Applicant declines to proceed with the CMET Project, the CMET Applicant will notify PG&E in writing within 5 calendar days and the Application will be deemed withdrawn.

(N)

(N)

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 19, 2021
April 19, 2021
E-5127

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A-10



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 5

(N)
(N)

7. COMMUNITY MICROGRID DEVELOPMENT AND OPERATION CMET Project development and operation will be governed by the MOA and/or other similar agreement(s) to carry out this tariff. A CMET Project's use of PG&E's Distribution System to form a Community Microgrid requires operational coordination for public safety and overall Distribution System operation. (N)
1. Roles and Responsibilities.
 - a. Distribution Provider. PG&E as utility distribution owner and operator is responsible for Distribution Service under both Blue Sky and Island Modes including the sole determination of Emergency Events.
 - b. Distribution Service. PG&E will provide Distribution Service for the customers and resources within the CMET Project during Blue Sky and Island Modes pursuant to all applicable rules on file with the CPUC.
 - c. Community Microgrid Aggregator (CMG Aggregator). ~~A third-party aggregator~~ The entity that coordinates control of distributed resources, including Project Resources ~~and any demand side management resources~~, consistent with relevant provisions of Electric Rule 2, PG&E's WDT GIP, and Electric Rule 21 including frequency and voltage and other power quality requirements within PG&E established control parameters to enable the CMET Project to operate in Island Mode.
 2. Microgrid Operating Agreement. An MOA between the CMG Aggregator and PG&E will govern CMET Project development testing and commercial operations. The MOA will include operational coordination requirements applicable to the unique characteristics of the CMET Project and general requirements consistent with relevant provisions of Electric Rule 2, Electric Rule 21, PG&E's WDT GIP and associated Interconnection Agreements, Project Microgrid SFA and operating protocols of the Distribution Provider to ensure operational coordination for public safety and overall system operation. The MOA is dependent upon execution of any required Interconnection Agreements and Microgrid Special Facilities Agreements. (N)

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Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

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ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 6

(N)

(N)

**7. COMMUNITY
MICROGRID
DEVELOP-
MENT AND
OPERATION
(Cont'd.)**

2. Microgrid Operating Agreement. (Cont'd.)

(N)

- a. Applicant and PG&E will execute a mutually agreeable MOA within 90 days of execution of the later of any applicable Interconnection or Microgrid Special Facilities Agreements.
- b. If the ~~CMET-CMG~~ Aggregator and PG&E fail to execute a MOA within the specific time period, the Application will be considered rejected.
3. System Change. A System Change will require re-study of the changes in a new Microgrid Islanding Study.
4. PG&E reserves the right to suspend CMET Project operation, change the Microgrid Islanding Point, or other Distribution System changes required to meet its service obligations pursuant to all applicable rules on file with the CPUC.

**8. CMET
SERVICES
AND FEES**

- ~~1. PG&E services provided under this tariff will be provided pursuant to PG&E's WDT GIP or Electric Rule 21 as applicable, and other applicable tariffs or rules, as may be amended from time to time.~~
- ~~21.~~ CMET Applicant is responsible for all applicable interconnection study fees and, subject to Section 5.3, any required distributed resource interconnection distribution upgrades and service upgrades pursuant to applicable rules including NEM or D.02-03-057 as may pertain to individual Project Resources. Such study fees and distribution upgrades may be eligible for credits to offset any applicable costs to Applicant pursuant to MIP.
- ~~32.~~ CMET Applicant is responsible for the ~~Microgrid Pre-Application Study~~, Microgrid Islanding Study fees and subsequent Microgrid Special Facilities costs pursuant to Electric Rule 2. Such study fees and Special Facilities costs may be eligible for credits to offset any applicable costs to Applicant pursuant to the CMEP.

(N)

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Advice 6168-E
Decision

Issued by
Robert S. Kenney
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Submitted
Effective
Resolution

April 19, 2021
April 19, 2021
E-5127

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A-12



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 7

(N)

(N)

- | | | |
|--|---|-----|
| 9. PG&E
TARIFFS,
PROGRAMS
AND SERVICE
AGREEMENTS | <ol style="list-style-type: none"> 1. PG&E Tariffs During Island and Blue Sky Modes. Billing for PG&E Bundled Customers will continue to occur under their applicable PG&E tariff provisions and rules. 2. Participation in PG&E Programs. Project Resources are eligible to provide distribution services and/or participate in demand side management programs during Blue Sky Mode consistent with applicable PG&E tariffs, programs or procurements. However, participation in PG&E programs shall not impede the ability to enable Island Mode, as determined by the Distribution provider, at any time during which this tariff applies to the CMET Project or the CMET MOA for the CMET Project is in effect. 3. Services Agreements. An existing power purchase agreement or other contract for energy, capacity or distribution services to PG&E, or any other counterparty, is prohibited for a CMET Project, if such power purchase agreement or other contract impedes the ability to enable Island Mode, as determined by Distribution Provider, at any time during which this tariff applies to the CMET Project or the CMET MOA for the CMET Project is in effect. | (N) |
| 10. CAISO
MARKET
PARTICIPAT-
ION | <ol style="list-style-type: none"> 1. Participation in CAISO Market: <u>Subject to Paragraph 3 of Section 9,</u> Project Resources are may be eligible to, <u>but are not required to,</u> participate in the CAISO markets consistent with applicable tariffs and the governing Interconnection Agreement for each Generating Facility during Blue Sky Mode. During Island Mode, the settlement of energy transactions associated with the Project Resources will continue to occur according to applicable CAISO tariff provisions and rules, as further described in the CMET MOA. | (N) |
| 11. METERING | CMET Project metering requirements are defined in the applicable PG&E Electric Rules including, but not limited to, 2, 15, 16, 17, 18, 21, and PG&E's WDT GIP. | (N) |

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Submitted	April 19, 2021
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Resolution	E-5127

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ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 8

(N)

(N)

**12. TERMINAT-
ION**

1. Applicant Termination:

- a. Applicant may terminate the application process, including Microgrid Islanding Study, for any reason with 30 days written notice. Applicant will be responsible for any PG&E costs incurred through termination date.
- b. CMET Project development or operation may be terminated pursuant to the terms of the MOA.

2. PG&E Termination: PG&E may terminate a CMET Project pursuant to the terms of the MOA, or as otherwise provided under this Schedule.

(N)

**13. CMET
SPECIAL
CONDITIONS**

The following Special Conditions apply to PG&E's CMET:

1. CMET ~~Modification~~Suspension: ~~Because this is an experimental tariff,~~ PG&E may ~~file-submit~~ a Tier 2 Advice Letter (AL) with the CPUC to ~~suspend service under~~modify this Schedule. The AL will be served on the applicable CPUC service list and will be served on ~~CMET-CMG~~ Aggregators, CMET Applicants, and any CMET Customers. The AL shall identify the modifications proposed to the Schedule and the reasons for those modifications. ~~portion of the CMET suspended, the reasons for the suspension, and PG&E's proposal for resolving the issue.~~

(N)

(Continued)

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6168-E

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 19, 2021
April 19, 2021
E-5127

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A-14



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 9

(N)

(N)

**14. CMET
DEFINITIONS**

Capitalized terms in this Schedule have the meaning as defined in this Section.

(N)

1. Blue Sky Mode. The normal mode of operation when the Community Microgrid is Interconnected to and operating in parallel with the Distribution System, is not operating in Island Mode, and PG&E maintains operational coordination of the delivery of electric service.
2. CMET Applicant. The person or entity who submits an Application for a CMET Project to PG&E to apply to participate on this Schedule.
3. CMET Customer. A customer receiving PG&E Distribution Service within the CMET Project Microgrid Boundary.
4. CMET Project. ~~Tangible and non-tangible assets, facilities and equipment needed to create and operate a Community Microgrid, including the CMET Project Resources, Microgrid Special Facilities, CMET Project Balance of System, breakers, protective and associated equipment, improvements, and other tangible assets,~~ contract rights, easements, rights of way, licenses and other interests or rights in real estate reasonably necessary for the construction, operation, and maintenance of the Community Microgrid subject to this CMET.
5. Community Microgrid. For the purposes of this Schedule, a Community Microgrid is defined as a microgrid with distribution system connected Project Resources that supply energy to at least two customers or two customer premises connected by PG&E's distribution infrastructure -within a Microgrid Boundary capable of Island Mode.
6. Community Microgrid Aggregator (CMG Aggregator). ~~The entity that is providing microgrid forming service to PG&E under an executed CMET MOA pursuant to Rule 24As defined in Section 7.1.c, above.~~

(N)

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

Confidential

A-15



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 10

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(N)

14. CMET
DEFINITIONS
(Cont'd.)

7. Community Microgrid Balance of System. All of the CMET Project tangible and non-tangible assets, facilities, and equipment owned or controlled by the CMG Aggregator, other than the CMET Project Resources, necessary to meet the requirements of the CMET Project as identified in the Microgrid Islanding Study.

(N)

8. Community Microgrid Enablement Program (CMEP). PG&E program to enable community-proposed microgrids that provide enhanced resilience for critical facilities and vulnerable customer groups pursuant to D.20-06-017.

~~8. Critical Facility. A facility that provides critical services to the surrounding community pursuant to the definition of Critical Facilities in R.18-12-005, aligned with Department of Homeland Security's Critical Infrastructure Sectors, as may be amended by the CPUC.~~

~~99. Distribution Customer. An end-use customer taking Distribution Service from PG&E.~~

~~10. Distribution Provider. PG&E, which owns, controls, or and operates facilities used to for the delivery of electric energy and provides Distribution Service to the customers within the Microgrid Boundary under this CMET.~~

~~110. Distribution Service. The transporting of electric power over and through various PG&E facilities owned by the Distribution Provider for delivery to a dDistribution Customer. The Distribution Service provided under this CMET is the distribution of capacity and energy from the point(s) of receipt to the point(s) of delivery to a Distribution Customer under this CMET.~~

(N)

~~124. Distribution System. PG&E's distribution system broadly consists of the stepdown substations, the primary distribution circuits, and the secondary distribution system. The secondary distribution system consists of the line transformers that step the primary voltage down to a secondary voltage, and the secondary conductors including service drops and meters. The provisions of this CMET apply to service on this Distribution System.~~

~~132. Effective Date. The date upon which: (1) any CPUC disposition, resolution, or other order makes this Schedule effective; or (2) if an effective date of the Schedule is not so specified, the date of any CPUC disposition, resolution, or~~

(Continued)



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 10

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other order that approves this Schedule unconditionally of the
CMEP Advice Letter makes that Advice Letter effective.

(Continued)

Advice
Decision

6168-E

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 19, 2021

April 19, 2021

E-5127

Confidential



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 11

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14. CMET
DEFINITIONS
(Cont'd.)

~~143.~~ Emergency Events. As determined by PG&E in its reasonable discretion, a condition or situation requiring prompt action by PG&E (a) to maintain the reliable operation of the Distribution System; (b) to prevent or limit the loss of load or generation; (c) to maintain public safety or the safety of PG&E's personnel; (d) to protect PG&E, Customer, or third-party property; or as a ~~S~~Sscheduled Island Mode ~~O~~Operation as a preventative action ahead of impending weather events or natural disasters or in response to other unusual conditions.

(N)

~~154.~~ Generating Facility. All generators, electrical wires, equipment, and other facilities, excluding Interconnection Facilities, owned or provided by producer for the purpose of producing electric power, including storage. ~~May also be referred to as a Project Resource.~~

~~165.~~ Grid-Forming Project Resource(s). As a Project Resource that, among other features, has the ability to (i) black start the CMET Project when in Island Mode and deenergized, and (ii) provide voltage and frequency stability and control within a range acceptable to PG&E during Island Mode operation.

~~15.~~ High Fire Threat District. ~~An area where there is an elevated risk for power line fires igniting and spreading rapidly as identified in the CPUC Fire Threat Map, as may be amended.~~

~~176.~~ Interconnection Agreement. The agreement and associated documents or any successor agreement and associated documentation governing the terms and conditions of the interconnection of the Project Resource(s) with PG&E's grid, including any description of the plan for interconnecting the Project Resource(s) to the grid. ~~An interconnection agreement executed pursuant to PG&E's Wholesale Distribution Tariff or Electric Rule 21.~~

(N)

~~187.~~ Interconnection Study. A study to establish the requirements for Interconnection of a Generating Facility with Distribution Provider's Distribution System or Transmission System, pursuant to PG&E's WDT GIP or Rule 21, as applicable.

~~198.~~ Island Mode. ~~A mode of operation~~Operation of the Microgrid by the Distribution Provider when a Microgrid that normally operates in Blue Sky Mode (parallel mode) is disconnected from the Distribution System at ~~MIP~~the Microgrid Islanding Point. The Distribution Provider will operate the Microgrid in Island Mode by (i) direct dispatch of

(Continued)



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 11

(N)

(N)

Project Resources within the Microgrid Boundary, and/or (ii) by authorizing Project Resources to operate within parameters specified by the Distribution Provider for voltage, frequency, and power quality, and the Microgrid is generating or producing energy to provide electric service within the Microgrid under the operational coordination of the CMET Aggregator and Distribution Provider.

(Continued)

Advice
Decision

6168-E

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 19, 2021
April 19, 2021
E-5127

Confidential



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 12

(N)

(N)

14. CMET
DEFINITIONS
(Cont'd.)

~~2019.~~ Microgrid. An interconnected system of loads and energy resources, including, but not limited to, distributed energy resources, energy storage, demand response tools, or other management, forecasting, and analytical tools, appropriately sized to meet customer needs, within a clearly defined ~~electrical-Microgrid b~~Boundary that can act as a single, controllable entity, and can connect to, disconnect from, or run in parallel ~~(Blue Sky Mode)~~ with, larger portions of the electrical grid, or can be managed and isolated to withstand larger disturbances and maintain electrical supply to connected critical infrastructure.

(N)

~~210.~~ Microgrid Boundary. An electrically contiguous area beyond a Microgrid Islanding Point on the Distribution System that defines a microgrid as a single controllable entity.

~~221.~~ Microgrid Islanding Point(s). The point(s) ~~(e.g., line recloser)~~ on PG&E's Distribution System that ~~establishes~~ allows the microgrid ~~to separate from and reconnect to the rest of the Distribution System~~interface consistent with ~~applicable standards including IEEE 1547-2018 and IEEE 519.~~

~~232.~~ Microgrid Islanding Study. An engineering study conducted by the Distribution Provider or its agents ~~of the microgrid operation in an Island Mode and operating mode transitions.~~ The study shall ~~to~~ determine the required modifications to the Distribution Provider's ~~D~~distribution ~~F~~facilities ~~to support Island Mode, including the and associated cost and scheduled completion date for such modifications, that will be required to provide the requested Microgrid Boundary and support i~~land Mode operation and microgrid transitions while~~capable of~~ maintaining voltage, frequency and power quality within PG&E control parameters in accordance with Rule 2.

(N)

~~243.~~ Microgrid Operating Agreement. ~~An agreement between the PG&E and CMG Aggregator that governs CMET Project development and testing, and commercial operations to ensure safety and service quality in compliance with applicable rules~~As defined in Section 7.2.

(Continued)



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 13

(N)

(N)

14. CMET
DEFINITIONS
(Cont'd.)

~~254.~~ Microgrid Pre-Application Study. An optional preliminary study of a proposed Community Microgrid and consultation for the purpose of enabling an Applicant to develop an effective CMET Application.

(N)

~~265.~~ Microgrid Special Facilities. Those Special Facilities described in a Microgrid Special Facilities Agreement Modifications to the Distribution Provider's distribution facilities required to operationalize the Microgrid Boundary and Island Mode such that the Microgrid is capable of maintaining voltage, frequency and power quality within the Distribution Provider's control parameters in accordance with Rule 2. This shall include all CMET Project tangible and non-tangible assets, facilities, and equipment owned or controlled by PG&E that are necessary to meet the requirements of the CMET Project as identified in the Microgrid Islanding Study.

~~276.~~ Microgrid Special Facilities Agreement (Microgrid SFA). The agreement that describes the upgrades on the Distribution System, and at the project site to be installed under the terms and conditions regarding Special Facilities (or added facilities) on file with the Commission, pursuant to Electric Rule 2, and incorporated in the MOA.

~~27.~~ Outage Prone Area. Areas served by the top 1% Worst Performing Circuits excluding Major Event Days as shown in PG&E's Annual Electric Reliability Report, in either the AIDI or AIFI category, in either of the last 2 years.

~~287.~~ Non-Project Resource(s). Electric generation, storage technology, and/or demand management technology within the Microgrid Boundary that are not Project Resources.

(N)

~~28.~~ PG&E Bundled Customer. A customer receiving full retail electric service from PG&E under an applicable retail tariff.

~~29.~~ Project Resource(s). Electric generation, storage technology, and/or load management technology that the CMG Aggregator has control over consistent with relevant provisions in this Agreement to enable the CMET Project to safely and reliably operate in Island Mode. The CMG Aggregator must have at least one Grid-Forming Project Resource that has a resource controller and has grid-forming capability sufficient to allow acceptable frequency and voltage during Island Mode operation. Project Resources must comply with the emissions standards adopted by the State Air Resources Board pursuant to the distributed generation

(Continued)



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 13

(N)

(N)

certification program requirements of Section 94203 of Title 17 of the California Code of Regulations, or any successor regulation, and must be interconnected to the Distribution System within the Microgrid Boundary (either directly as front-of-the-meter Project Resources or indirectly as behind-the-meter Project Resources) pursuant to the Wholesale Distribution Tariff or Electric Rule 21~~Electric generation and storage technology used to form a microgrid that are interconnected to the Distribution System pursuant to PG&E's WDT GIP or Electric Rule 21 within the Community Microgrid Project Microgrid Boundary that complies with the emissions standards adopted by the State Air Resources Board pursuant to the distributed generation certification program requirements of Section 94203 of Title 17 of the California Code of Regulations, or any successor regulation.~~

30. Scheduled Island Mode Operation. A Microgrid operating in Island Mode that is scheduled and coordinated between the CMG Aggregator and PG&E.

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Advice
Decision

6168-E

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 19, 2021
April 19, 2021
E-5127

Confidential

A-22



ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 14

(N)

(N)

14. CMET
DEFINITIONS
(Cont'd.)

~~31. Service Facilities. PG&E's Service Facilities shall consist of (a) primary or secondary underground or overhead service conductors, (b) poles to support overhead service conductors, (c) service transformers, (d) PG&E-owned metering equipment, and (e) other PG&E-owned service-related equipment that extend from PG&E's Distribution Facilities to the Customer's Service Delivery Point as defined in PG&E's Electric Rule 16.~~

(N)

~~312. Special Facilities. Shall have the same meaning as defined in PG&E's Electric Rule 2, as may be modified from time to time.~~

~~33. Special Facilities Agreement. Special facilities will be installed under the terms and conditions of a contract in the form on file with the Commission, pursuant to Electric Rule 2.~~

~~324. System Change. is aAny change in Project Resources, nNon-Project Resources, or customer loads within the Microgrid Boundary, or other affected systems outside the Microgrid Boundary that has a material impact on the ability of a CMET Project to function in Island Mode.~~

(N)

~~35. Unscheduled Island Mode Operation. A Microgrid operating in Island Mode that is not scheduled or coordinated between the CMG Aggregator and PG&E in response to an unplanned event on the Distribution System.~~

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 19, 2021
April 19, 2021
E-5127

Confidential

A-23

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 1

1. **APPLICABILITY:** Schedule Community Microgrid Enablement Tariff (CMET) is intended to supersede the previous experimental CMET in its entirety as of the date that schedule CMET becomes effective. This CMET governs the eligibility, engineering studies, development, and island and transitional operation of Community Microgrids, as defined herein. This Schedule is available, on a first-come, first-served basis, to applicants (CMET Applicants) who (i) meet the CMET Eligibility Criteria in Section 3, and (ii) submit a complete CMET Application (Application). This Schedule will close to CMET Applicants on the date set forth in Section 4, below. Capitalized terms specific to this tariff are defined in section 14 below.

2. **TERRITORY:** This schedule applies throughout PG&E's electric service area.

3. **CMET ELIGIBILITY CRITERIA:** A CMET Applicant must meet all of the eligibility criteria outlined below (CMET Eligibility Criteria):
 1. **Community Microgrid:** The CMET Project must meet the needs of at least two customers or two customer premises connected by PG&E's distribution infrastructure within the Microgrid Boundary. All customers within the Microgrid Boundary of the CMET Project must be PG&E retail Distribution Customers; provided that, where PG&E determines in its sole discretion that inclusion of electrical loads or customers which do not take PG&E retail distribution service in a CMET Project will benefit PG&E retail Distribution Customers, PG&E may agree to the inclusion of such loads and/or customers and will submit a notice of and justification for this determination through a Tier 1 Advice Letter. (T)

 2. **Location:** The CMET project must be located in an area served, entirely or in part, by PG&E retail distribution service. (T)

(Continued)

Advice 6377-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	October 22, 2021
Effective	October 22, 2021
Resolution	

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 2

3. CMET
ELIGIBILITY
CRITERIA
(Cont'd.)

3. Community Microgrid Parameters: The CMET Project must include interconnected Project Resources, including a Grid-Forming Project Resource, that do not exceed 20MW in aggregated export capacity within a clearly defined Microgrid in PG&E's Distribution System; the CMET Project must act as a single, controllable entity; the CMET Project must be able to connect to, disconnect from, and run in parallel with larger portions of the electrical grid; and the CMET Project must be capable of maintaining electrical supply and service quality when isolated to connected customers during larger grid disturbances. Project Resources must be interconnected to PG&E's Distribution System pursuant to PG&E's Wholesale Distribution Tariff, Attachment I "Generator Interconnection Procedures" (WDT GIP) and/or Electric Rule 21 as applicable.

(D)
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|
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(D)

4. Pre-Application Report: The CMET Applicant has the option to complete a Community Microgrid Pre-Application Report (CM Pre-Application Report) and consultation with PG&E prior to submitting a CMET Application.
5. Applicant Experience: The CMET Applicant must provide to PG&E an attestation that at least one current member of its development team has: (a) completed the development of at least one microgrid project of similar technology and capacity; or (b) begun construction of at least one other project of similar technology and capacity. The CMET Applicant must identify the entity(ies), if not the Applicant, that will be responsible for: (1) development of the CMET Project; and (2) acting as CMG Aggregator to coordinate operation of the CMET Project with PG&E pursuant to an executed CMET Microgrid Operating Agreement ("CMET MOA" or "MOA").

(T)

(T)

(Continued)

Advice 6283-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	August 5, 2021
Effective	October 5, 2021
Resolution	E-5127

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 3

(N)
(N)

4. CMET PERIOD CMET Availability Period: The CMET shall begin on the Effective Date and shall continue thereafter until the CPUC directs, approves, or makes effective a request by PG&E that this tariff be closed. At the close of the CMET, this Schedule will close to new Applications and no new CMET MOAs will be offered by PG&E. Applications submitted prior to the close will continue to be processed under this Schedule, unless otherwise directed by the CPUC. Any MOA executed under this Schedule will continue in effect pursuant to the terms of the agreement.

(N)

5. INTERCON-
NECTION
STUDIES

1. Each Project Resource is required to be interconnected to PG&E's Distribution System under PG&E's WDT GIP or Electric Rule 21, according to the applicability of each of those tariffs.
2. Interconnection Study: A CMET Project will require a separate application for Interconnection Study of each of a CMET Project's proposed Project Resources pursuant to PG&E's WDT GIP or Electric Rule 21, as applicable, for each of the Generating Facilities participating as a Project Resource.
3. Interconnection Agreement: The Interconnection Study will identify any required Interconnection Facilities, Distribution Upgrades, or Network Upgrades consistent with PG&E's WDT GIP and Electric Rule 21, as applicable. The CMET Project is required to execute an Interconnection Agreement for each Project Resource.
4. Applicant may continue with the interconnection of resources under PG&E's WDT GIP or Rule 21 independent of a withdrawn CMET Application.

(N)

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

Confidential


ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 4

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6. MICROGRID ISLANDING STUDY

1. In advance of the completion of the Interconnection Study, PG&E and the CMET Applicant may, at each party's discretion, agree to begin the mandatory Microgrid Islanding Study.
2. Once it has received an agreement with the Applicant to do so, PG&E will conduct a Microgrid Islanding Study, requiring cooperation of the Applicant, to ensure the operational safety and stability of the Community Microgrid during Islanded Operations. This Microgrid Islanding Study will include a description of operations for the CMET Project that includes a logical architecture for the associated protection, controls, communications, cybersecurity, and other system components. One outcome of the Microgrid Islanding Study will be to produce a required Microgrid Special Facilities Agreement, pursuant to Electric Rule 2. Customer-owned microgrid controllers and protective relays must be validated by PG&E for the interoperability with PG&E's electric distribution system. PG&E has published a list of equipment for microgrids in PG&E's Community Microgrid Technical Best Practices Guide and has an established process for vendors to seek acceptance of equipment by PG&E.
3. CMET Applicant Review
 - a. CMET Applicant will have up to 30 calendar days to review the Microgrid Islanding Study and sign the Microgrid Special Facilities Agreement (Microgrid SFA).
 - b. If, after review of the Microgrid Special Facilities Agreement, the CMET Applicant declines to proceed with the CMET Project, the CMET Applicant will notify PG&E in writing within 5 calendar days and the Application will be deemed withdrawn.

(N)  (N)

(Continued)

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 5 (N)
(N)

7. COMMUNITY MICROGRID DEVELOPMENT AND OPERATION CMET Project development and operation will be governed by the MOA and/or other similar agreement(s) to carry out this tariff. A CMET Project's use of PG&E's Distribution System to form a Community Microgrid requires operational coordination for public safety and overall Distribution System operation. (N)
1. Roles and Responsibilities.
 - a. Distribution Provider. PG&E as utility distribution owner and operator is responsible for Distribution Service under both Blue Sky and Island Modes including the sole determination of Emergency Events.
 - b. Distribution Service. PG&E will provide Distribution Service for the customers and resources within the CMET Project during Blue Sky and Island Modes pursuant to all applicable rules on file with the CPUC.
 - c. Community Microgrid Aggregator (CMG Aggregator). The entity that coordinates control of distributed resources, including Project Resources, consistent with relevant provisions of Electric Rule 2, PG&E's WDT GIP, and Electric Rule 21 including frequency and voltage and other power quality requirements within PG&E established control parameters to enable the CMET Project to operate in Island Mode.
 2. Microgrid Operating Agreement. An MOA between the CMG Aggregator and PG&E will govern CMET Project development testing and commercial operations. The MOA will include operational coordination requirements applicable to the unique characteristics of the CMET Project and general requirements consistent with relevant provisions of Electric Rule 2, Electric Rule 21, PG&E's WDT GIP and associated Interconnection Agreements, Microgrid SFA and operating protocols of the Distribution Provider to ensure operational coordination for public safety and overall system operation. The MOA is dependent upon execution of any required Interconnection Agreements and Microgrid Special Facilities Agreements. (N)

(Continued)

Advice 6168-E
 Decision

Issued by
Robert S. Kenney
 Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

Confidential

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 6

(N)
(N)

**7. COMMUNITY
MICROGRID
DEVELOP-
MENT AND
OPERATION
(Cont'd.)**

2. Microgrid Operating Agreement. (Cont'd.)

(N)

a. Applicant and PG&E will execute a mutually agreeable MOA within 90 days of execution of the later of any applicable Interconnection or Microgrid Special Facilities Agreements.

b. If the CMG Aggregator and PG&E fail to execute a MOA within the specific time period, the Application will be considered rejected.

3. System Change. A System Change will require re-study of the changes in a new Microgrid Islanding Study.

4. PG&E reserves the right to suspend CMET Project operation, change the Microgrid Islanding Point, or other Distribution System changes required to meet its service obligations pursuant to all applicable rules on file with the CPUC.

**8. CMET
SERVICES
AND FEES**

1. CMET Applicant is responsible for all applicable interconnection study fees and, subject to Section 5.3, any required distributed resource interconnection distribution upgrades and service upgrades pursuant to applicable rules including NEM or D.02-03-057 as may pertain to individual Project Resources. Such study fees and distribution upgrades may be eligible for credits to offset any applicable costs to Applicant pursuant to MIP.

2. CMET Applicant is responsible for the Microgrid Islanding Study fees and subsequent Microgrid Special Facilities costs pursuant to Electric Rule 2. Such study fees and Special Facilities costs may be eligible for credits to offset any applicable costs to Applicant pursuant to the CMEP.

(N)

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Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

Confidential

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 7 (N)
(N)

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|--|---|-----|
| 9. PG&E
TARIFFS,
PROGRAMS
AND SERVICE
AGREEMENTS | <p>1. PG&E Tariffs During Island and Blue Sky Modes. Billing for PG&E Customers will continue to occur under their applicable PG&E tariff provisions and rules.</p> <p>2. Participation in PG&E Programs. Project Resources are eligible to provide distribution services and/or participate in demand side management programs during Blue Sky Mode consistent with applicable PG&E tariffs, programs or procurements. However, participation in PG&E programs shall not impede the ability to enable Island Mode, as determined by the Distribution provider, at any time during which this tariff applies to the CMET Project or the CMET MOA for the CMET Project is in effect.</p> <p>3. Services Agreements. An existing power purchase agreement or other contract for energy, capacity or distribution services to PG&E, or any other counterparty, is prohibited for a CMET Project, if such power purchase agreement or other contract impedes the ability to enable Island Mode, as determined by Distribution Provider, at any time during which this tariff applies to the CMET Project or the CMET MOA for the CMET Project is in effect.</p> | (N) |
| 10. CAISO
MARKET
PARTICIPAT-
ION | <p>1. Participation in CAISO Market: Subject to Paragraph 3 of Section 9, Project Resources may be eligible to, but are not required to, participate in the CAISO markets consistent with applicable tariffs and the governing Interconnection Agreement for each Generating Facility during Blue Sky Mode. During Island Mode, the settlement of energy transactions associated with the Project Resources will continue to occur according to applicable CAISO tariff provisions and rules, as further described in the CMET MOA.</p> | |
| 11. METERING | <p>CMET Project metering requirements are defined in the applicable PG&E Electric Rules including, but not limited to, 2, 15, 16, 17, 18, 21, and PG&E's WDT GIP.</p> | (N) |

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

Confidential

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 8

(N)
(N)12. TERMINAT-
ION

1. Applicant Termination:

- a. Applicant may terminate the application process, including Microgrid Islanding Study, for any reason with 30 days written notice. Applicant will be responsible for any PG&E costs incurred through termination date.
- b. CMET Project development or operation may be terminated pursuant to the terms of the MOA.

2. PG&E Termination: PG&E may terminate a CMET Project pursuant to the terms of the MOA, or as otherwise provided under this Schedule.

(N)

13. CMET
SPECIAL
CONDITIONS

The following Special Conditions apply to PG&E's CMET:

1. CMET Modification: PG&E may submit a Tier 2 Advice Letter (AL) with the CPUC to modify this Schedule. The AL will be served on the applicable CPUC service list and will be served on CMG Aggregators, CMET Applicants, and any CMET Customers. The AL shall identify the modifications proposed to the Schedule and the reasons for those modifications.

(N)

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

Confidential

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 9 (N)
(N)

14. CMET DEFINITIONS Capitalized terms in this Schedule have the meaning as defined in this Section. (N)
1. Blue Sky Mode. The normal mode of operation when the Community Microgrid is Interconnected to and operating in parallel with the Distribution System, is not operating in Island Mode, and PG&E maintains operational coordination of the delivery of electric service.
 2. CMET Applicant. The person or entity who submits an Application for a CMET Project to PG&E to apply to participate on this Schedule.
 3. CMET Customer. A customer receiving PG&E Distribution Service within the CMET Project Microgrid Boundary.
 4. CMET Project. Tangible and non-tangible assets, facilities and equipment needed to create and operate a Community Microgrid, including the CMET Project Resources, Microgrid Special Facilities, CMET Project Balance of System, contract rights, easements, rights of way, licenses and other interests or rights in real estate reasonably necessary for the construction, operation, and maintenance of the Community Microgrid subject to this CMET.
 5. Community Microgrid. For the purposes of this Schedule, a Community Microgrid is defined as a microgrid with distribution system connected Project Resources that supply energy to at least two customers or two customer premises connected by PG&E's distribution infrastructure within a Microgrid Boundary capable of Island Mode.
 6. Community Microgrid Aggregator (CMG Aggregator). As defined in Section 7.1.c, above.
- (N)

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

<i>Submitted</i>	April 19, 2021
<i>Effective</i>	April 19, 2021
<i>Resolution</i>	E-5127

Confidential

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 10 (N)
(N)

14. CMET DEFINITIONS (Cont'd.)
7. Community Microgrid Balance of System. All of the CMET Project tangible and non-tangible assets, facilities, and equipment owned or controlled by the CMG Aggregator, other than the CMET Project Resources, necessary to meet the requirements of the CMET Project as identified in the Microgrid Islanding Study. (N)
8. Community Microgrid Enablement Program (CMEP). PG&E program to enable community-proposed microgrids that provide enhanced resilience for critical facilities and vulnerable customer groups pursuant to D.20-06-017.
9. Distribution Customer. An end-use customer taking Distribution Service from PG&E.
10. Distribution Provider. PG&E, which owns, controls, and operates facilities used to provide Distribution Service to the customers within the Microgrid Boundary under this CMET.
11. Distribution Service. The transporting of electric power over and through various PG&E facilities owned by the Distribution Provider for delivery to a Distribution Customer. The Distribution Service provided under this CMET is the distribution of capacity and energy from the point(s) of receipt to the point(s) of delivery to a Distribution Customer under this CMET.
12. Distribution System. PG&E's distribution system broadly consists of the stepdown substations, the primary distribution circuits, and the secondary distribution system. The secondary distribution system consists of the line transformers that step the primary voltage down to a secondary voltage, and the secondary conductors including service drops and meters. The provisions of this CMET apply to service on this Distribution System. (N)
13. Effective Date. The date upon which: (1) any CPUC disposition, resolution, or other order makes this Schedule effective; or (2) if an effective date of the Schedule is not so specified, the date of any CPUC disposition, resolution, or other order that approves this Schedule unconditionally .

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

<i>Submitted</i>	April 19, 2021
<i>Effective</i>	April 19, 2021
<i>Resolution</i>	E-5127

Confidential

Sheet 11 (N)
(N)

- (Continued)

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 12 (N)
(N)

- | | | |
|--------------------------------------|--|-----|
| 14. CMET
DEFINITIONS
(Cont'd.) | 20. Microgrid. An interconnected system of loads and energy resources, including, but not limited to, distributed energy resources, energy storage, demand response tools, or other management, forecasting, and analytical tools, appropriately sized to meet customer needs, within a clearly defined Microgrid Boundary that can act as a single, controllable entity, and can connect to, disconnect from, or run in parallel (Blue Sky Mode) with, larger portions of the electrical grid, or can be managed and isolated to withstand larger disturbances and maintain electrical supply to connected critical infrastructure. | (N) |
| | 21. Microgrid Boundary. An electrically contiguous area beyond a Microgrid Islanding Point on the Distribution System that defines a microgrid as a single controllable entity. | |
| | 22. Microgrid Islanding Point(s). The point(s) (e.g., line recloser) on PG&E's Distribution System that allows the microgrid to separate from and reconnect to the rest of the Distribution System. | |
| | 23. Microgrid Islanding Study. An engineering study conducted by the Distribution Provider or its agents of the microgrid operation in an Island Mode and operating mode transitions. The study shall determine the required modifications to the Distribution Provider's distribution facilities and associated cost required to support Island Mode operation and microgrid transitions while maintaining voltage, frequency and power quality within PG&E control parameters in accordance with Rule 2. | |
| | 24. Microgrid Operating Agreement. As defined in Section 7.2. | (N) |

(Continued)

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 13 (N)
(N)

- | | | |
|---------------------------------------|--|-----------------------|
| <p>14. CMET DEFINITIONS (Cont'd.)</p> | <p>25. Microgrid Pre-Application Study. An optional preliminary study of a proposed Community Microgrid and consultation for the purpose of enabling an Applicant to develop an effective CMET Application.</p> <p>26. Microgrid Special Facilities. Modifications to the Distribution Provider's distribution facilities required to operationalize the Microgrid Boundary and Island Mode such that the Microgrid is capable of maintaining voltage, frequency and power quality within the Distribution Provider's control parameters in accordance with Rule 2. This shall include all CMET Project tangible and non-tangible assets, facilities, and equipment owned or controlled by PG&E that are necessary to meet the requirements of the CMET Project as identified in the Microgrid Islanding Study.</p> <p>27. Microgrid Special Facilities Agreement (Microgrid SFA). The agreement that describes the upgrades on the Distribution System, and at the project site to be installed under the terms and conditions regarding Special Facilities (or added facilities) on file with the Commission, pursuant to Electric Rule 2, and incorporated in the MOA.</p> <p>28. Non-Project Resource(s). Electric generation, storage technology, and/or demand management technology within the Microgrid Boundary that are not Project Resources.</p> <p>29. Project Resource(s). Electric generation, storage technology, and/or load management technology that the CMG Aggregator has control over consistent with relevant provisions in this Agreement to enable the CMET Project to safely and reliably operate in Island Mode. The CMG Aggregator must have at least one Grid-Forming Project Resource that has a resource controller and has grid-forming capability sufficient to allow acceptable frequency and voltage during Island Mode operation. Project Resources must comply with the emissions standards adopted by the State Air Resources Board pursuant to the distributed generation certification program requirements of Section 94203 of Title 17 of the California Code of Regulations, or any successor regulation, and must be interconnected to the Distribution System within the Microgrid Boundary (either directly as front-of-the-meter Project Resources or indirectly as behind-the-meter Project Resources) pursuant to the Wholesale Distribution Tariff or Electric Rule 21.</p> | <p>(N)</p> <p>(N)</p> |
|---------------------------------------|--|-----------------------|

(Continued)

U 39 San Francisco, California

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 13 (N)
(N)

30. Scheduled Island Mode Operation. A Microgrid operating in Island Mode that is scheduled and coordinated between the CMG Aggregator and PG&E.

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

Confidential
A-37

U 39 San Francisco, California

ELECTRIC SCHEDULE E-CMET
COMMUNITY MICROGRID ENABLEMENT TARIFF

Sheet 14 (N)
(N)

14. CMET
DEFINITIONS
(Cont'd.)

31. Special Facilities. Shall have the same meaning as defined in PG&E's Electric Rule 2, as may be modified from time to time.

32. System Change. Any change in Project Resources, Non-Project Resources, or customer loads within the Microgrid Boundary, or other affected systems outside the Microgrid Boundary that has a material impact on the ability of a CMET Project to function in Island Mode.

(N)

(N)

(Continued)

Advice 6168-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	April 19, 2021
Resolution	E-5127

Attachment B

SCE

SCHEDULE MPMT

MULTI-PROPERTY MICROGRID TARIFF

APPLICABILITY

This Schedule is available to a Microgrid Aggregator who (i) controls an MPMT Project that meets the Multi-Property Microgrid Tariff (MPMT) Eligibility Criteria, (ii) submits a complete MPMT Application Package, and (iii) agrees to enter into a Microgrid Operating Agreement (MOA) for the design, development and operation of a Multi-Property Microgrid. This Schedule governs the eligibility, engineering studies, project development, Islanding, and reconnection operation of Multi-Property Microgrids, as defined herein, and is offered solely for the purpose of supporting MPMT Customers during a Distribution System outage.

This Schedule shall be available to MPMT Applicants upon approval of Advice xxxx-E and shall continue to be available thereafter until the California Public Utilities Commission (CPUC) directs, approves, or makes effective a request by SCE that this Schedule be closed. MPMT Application Packages submitted prior to the close of this Schedule will continue to be processed under the terms of this Schedule. Any MOA executed under this Schedule will continue to be in effect pursuant to the terms of the MOA.

MPMT Eligibility Criteria

- i. The MPMT Project must meet the needs of at least two MPMT Customers (Multi-Property) connected to SCE's Distribution System within the Microgrid Boundary. All Customers within the Microgrid Boundary of the MPMT Project must be SCE Customers.
- ii. The MPMT Project must include interconnected exporting energy producing resources (Project Resources), including at least one Project Grid-Forming Resource, interconnected within the Microgrid Boundary. Project Resources must be interconnected to SCE's Distribution System on a distribution line that is operated at 50 kV or below pursuant to SCE's Wholesale Distribution Access Tariff, Attachment I "Generator Interconnection Procedures" (WDAT) and/or SCE's Electric Rule 21, as applicable.
- iii. The MPMT Project must act as a single, controllable entity; able to connect to, disconnect from, and operate in parallel with larger portions of the electrical grid; and, when islanded, must be capable of maintaining electrical supply, and voltage and frequency within the Microgrid Boundary that meet approved California Public Utilities Commission regulations (such as SCE's Electric Rule 2).

TERRITORY

Within the entire territory served.

RATES

Customers will continue to be served on their Otherwise Applicable Tariff (OAT) during Blue Sky and Island Mode.

SPECIAL CONDITIONS

1. DEFINITIONS

The definitions in this Section are applicable only to this Schedule.

Added Facilities: Shall have the same meaning as defined in SCE's Electric Rule 2, as may be modified from time to time.

Added Facilities Agreement: The agreement between SCE and Microgrid Aggregator for the construction and cost responsibility of the Added Facilities identified in the Microgrid Islanding study required to island the Microgrid Boundary from the SCE's larger Distribution System and allow the operation of the Microgrid in Island Mode such that it maintains voltage, frequency, and power quality in accordance with the Distribution Provider's electrical service requirements and Rule 21.

Blue Sky Mode: The mode of operation when the Multi-Property Microgrid is connected to and operating in parallel with SCE's Distribution System.

California Public Utilities Commission (CPUC): A regulatory agency that oversees privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies in California.

Customer or Distribution Customer: The person in whose name service is rendered as evidenced by the signature on the application, contract, or agreement for that service, or, in the absence of a signed instrument, by the receipt and payment of bills or Summary Bills regularly issued in their name regardless of the identity of the actual user of the service. A Customer may also be a party with whom SCE is doing business with or without a billing relationship.

Distribution Provider: Southern California Edison, or SCE.

Distribution Service: The service of delivering energy over the Distribution System pursuant to the approved tariffs of SCE.

Distribution System: Those non-CAISO operated electrical systems and facilities owned, controlled, and operated by SCE that are used to provide distribution service under the tariffs.

Emergency Events: As determined by SCE in its reasonable discretion, a condition or situation requiring prompt action by SCE (a) to maintain the reliable operation of the Distribution System; (b) to prevent or limit the loss of load or generation; (c) to maintain public safety or the safety of SCE's personnel; (d) to protect SCE, Customer, or third-party property; or as a Scheduled Island Mode Operation as a preventative action ahead of impending weather events or natural disasters or in response to other unusual conditions.

Interconnection Agreement: An agreement between SCE and the owner of the Project Resource providing for the interconnection of a generating facility to SCE's electrical grid.

Island; Islanding: A condition on SCE's Distribution System in which one or more generating facilities deliver power to Customers using a portion of SCE's Distribution System that is electrically isolated from the larger electrical grid.

Island Mode: Operation of the Microgrid by SCE when a Microgrid that normally operates in Blue Sky Mode is disconnected from SCE's larger Distribution System at the Microgrid Islanding Point(s). SCE will operate the Microgrid in Island Mode by (i) direct dispatch of Project Resources within the Microgrid Boundary, and/or (ii) by authorizing Project Resources within the Microgrid Boundary and/or (iii) by authorizing Project Resources to operate within parameters specified by SCE for voltage, frequency, and power quality.

Microgrid Aggregator: The entity that coordinates control of distributed resources, including Project Resources and any demand side management resources, consistent with relevant provisions of SCE's Electric Rule 2, WDAT GIP, or SCE's Electric Rule 21 including frequency and voltage and other power quality requirements within SCE established control parameters to enable the MPMT Project to operate in Island Mode.

Microgrid Boundary: An electrically contiguous area beyond a Microgrid Islanding Point on the Distribution System that defines a Microgrid as a single controllable entity.

Microgrid Islanding Point (MIP): The point(s) on SCE's Distribution System that allow(s) the Microgrid to isolate from and reconnect to the rest of SCE's Distribution System.

Microgrid Islanding Study: An engineering study conducted by SCE or its agents to determine the required modifications to SCE's Distribution Facilities to support Island Mode, including the cost and scheduled completion date for such modifications, that will be required to provide the requested Microgrid Boundary and Island Mode operation capable of maintaining voltage, frequency, and power quality within SCE control parameters in accordance with SCE's Electric Rule 2.

Microgrid Operating Agreement (MOA): An agreement between the Microgrid Aggregator and SCE that governs MPMT Project development testing and commercial operations. The MOA will include operational coordination requirements applicable to the unique characteristics of the MPMT Project and general requirements consistent with relevant provisions of SCE's Electric Rule 2, SCE's Electric Rule 21, SCE's WDAT GIP, and associated Interconnection Agreements, and applicable Added Facilities Agreement and operating protocols of SCE to ensure operational coordination for public safety and overall system operation. The MOA is dependent upon execution of any required Interconnection Agreements and Added Facilities Agreements.

Microgrid: An electric power system especially designed to operate in parallel with SCE's Distribution System, isolate via its paralleling device, properly re-synchronize, and reconnect with the Distribution system without causing power quality or safety issues.

MPMT Applicant: The person or entity who submits an MPMT Application for a MPMT Project to SCE to participate on this Schedule.

MPMT Customer: Any Distribution Customer that has an agreement with the Microgrid Aggregator to participate in the Multi-Property Microgrid Tariff. The MPMT Customer remains a Distribution Customer of SCE and will be served in accordance with their Otherwise Applicable Tariff in both Blue Sky and Island Mode.

MPMT Project: Tangible and non-tangible assets, facilities, and equipment needed to create and operate a Multi-Property Microgrid, including the Project Resources, Added Facilities, contract rights, easements, rights of way, licenses and other interests or rights in real estate reasonably necessary for the construction, operation, and maintenance of the Multi-Property Microgrid subject to this Schedule.

Project Grid-forming Resource: A Project Resource that, among other features, has the ability to (i) black start the MPMT Project when in the Microgrid is islanded from the larger SCE's Distribution System and deenergized, and (ii) during Island Mode operation provide stable voltage, frequency, and power quality within a range that is acceptable to SCE and as may be required CPUC approved rules (such as SCE's Electric Rule 2).

Project Resource: Electric generation, storage technology, and/or load management technology over which the Microgrid Aggregator has control consistent with relevant provisions in the MOA to enable the MPMT Project to safely and reliably operate in Island Mode. Project Resources may include Project Grid-forming Resources. The Microgrid Aggregator must have at least one Grid-

forming Project Resource that has a resource controller and grid-forming capability sufficient to allow acceptable frequency and voltage during Island Mode operation. Project Resources must comply with the emissions standards adopted by the State Air Resources Board pursuant to the distributed generation certification program requirements of Section 94203 of Title 17 of the California Code of Regulations, or any successor regulation, and must be interconnected to the Distribution System within the Microgrid Boundary. Project Resources can be 1) In Front of the Meter (IFOM) Project Resources that are subject to SCE's Wholesale Distribution Access Tariff (WDAT), or 2) (B) Behind the Meter (BTM) Project Resources that are subject to SCE's Electric Rule 21, Section Hh.

System Change: Any change to MPMT Customer load, Project Resources, new interconnection requests, distribution facilities or other operational or safety conditions inside or outside the CMG Electric Boundary, that creates a system condition that renders the MPMT Project incapable of safely and reliably transitioning to, operating in, or transitioning from Island Mode as determined by SCE.

2. PROCESS

Phase 1: Before the MPMT Application Process

- Applicant Experience Required: The MPMT Applicant must provide to SCE an attestation that at least one current member of its development team has:
 - A) completed the development of at least one microgrid project of similar technology and capacity; or
 - B) begun construction of at least one other project of similar technology and capacity.
- The MPMT Applicant must identify the entity(ies), if not the MPMT Applicant, that will be responsible for development of the MPMT Project and the entity that will be the Microgrid Aggregator responsible the operation of the MPMT Project pursuant to an executed MOA.

Phase 2: Interconnection of Project Resources

The MPMT Applicant should ensure that all Project Resources will have valid Interconnection Agreement. The application for interconnection of proposed Project Resource(s) under SCE's WDAT or SCE's Electric Rule 21 is independent from the MPMT Application and the applicant may continue the applicable interconnection process even if the MPMT Application is withdrawn.

Phase 3: MPMT Application Process

Optional Pre-Application Consultation and Report: A prospective MPMT Applicant may request a pre-application consultation with SCE prior to submitting a MPMT Application by submitting a Pre-Application Consultation Request and paying the applicable fee. Upon receipt of a completed Pre-Application Consultation Request, SCE shall schedule a consultation meeting with the prospective MPMT Applicant to discuss the proposed MPMT Project's options and feasibility from an engineering perspective. After the consultation, SCE shall provide a pre-application report that includes relevant information necessary to prepare a complete MPMT Application such as electrical conditions, characteristics, and known technical issues of SCE's Distribution System within the proposed Microgrid Boundary, subject to all applicable Customer and data privacy regulations.

Step 1: MPMT Application

The Applicant submits MPMT Application Package which includes, but is not limited to:

- A complete MPMT Application (Form 14-XXX)
- A \$1,200 MPMT Application fee

- All existing Interconnection Agreements for all Project Resources or, if an Interconnection Agreement is not executed yet, the latest interconnection study associated with the Project Resource.
- List of all MPMT Customers that will be served within the Microgrid Boundary (Form 14-XXX)
- A map describing the Microgrid Boundary including the location of the Microgrid Islanding Point(s)

SCE reserves the right to request for additional documentation if, in the opinion of SCE, the additional documentation is necessary to fully evaluate the proposed MPMT Project, or the proposed MPMT Aggregator's qualification to operate the Microgrid.

Step 2: Microgrid Islanding Study (MIS)

Within 20 business days of submittal, SCE will review the MPMT Applicant's MPMT Application package and issue a Microgrid Islanding Study (MIS) Agreement. To proceed with the MPMT Application Process, the MPMT Applicant must sign the MIS Agreement and pay a \$75,000 deposit fee to fund the MIS. Once the MPMT Applicant signs the MIS Agreement and pays the deposit fee, SCE will commence the MIS.

Step 3: Microgrid Islanding Study

After receiving the signed MIS Agreement and deposit fee, SCE will complete the MIS within 90 business days. In conducting the MIS, SCE will determine:

- i. the engineering and operational viability of the proposed MPMT Project,
- ii. protection requirements to ensure faults within the Microgrid Boundary can be detected and cleared per SCE's requirements when in Island Mode,
- iii. control requirements to ensure power quality is maintained when in Island Mode,
- iv. telemetry and cybersecurity requirements,
- v. operational transitional requirements from Blue Sky Mode to Island Mode and return
- vi. other control and operational requirements as may be deemed necessary to SCE for maintaining grid safety during Island Mode
- vii. the required electrical system upgrades (Added Facilities) to establish the Microgrid Boundary and MPMT Project's operational controls, and
- viii. the non-binding preliminary estimated costs and scheduled completion date for such Added Facilities, that will be required to enable the safe and reliable operation of the MPMT Project.

The Microgrid Islanding Study will also include a description of operations for the MPMT Project that includes the associated protection, controls, communications, cybersecurity, and other system components as may be required to operate the Microgrid safely and reliably. The Microgrid Islanding Study will provide the estimated costs and information necessary to prepare a required Added Facilities Agreement, pursuant to SCE's Electric Rule 2 and technical, operational, and control requirements that shall be included in the MOA.

SCE may require coordination and cooperation of the MPMT Applicant to complete the MIS, as additional information may be required to complete the technical analysis.

Step 4: MPMT Applicant Review

Once completed, SCE will deliver the MIS to the MPMT Applicant. The MPMT Applicant must review the MIS and determine if they wish to continue with the MPMT Application by providing notice to SCE within 30 business days. SCE will grant a one-time 30-business day extension if needed. If the MPMT Applicant decides to continue with the MPMT Application,

SCE will prepare an Added Facilities Agreement, otherwise the MPMT Application will be deemed withdrawn by MPMT Applicant.

Step 5: Added Facilities Agreement

- Once the MPMT Applicant approves the MIS, SCE will develop the Added Facilities Agreement and deliver it to the MPMT Applicant within 45 business days.
- The MPMT Applicant must execute the Added Facilities Agreement within 30 business days. SCE will grant a one-time 30-business day extension if needed. If the MPMT Applicant decides not to execute the Added Facilities Agreement, the MPMT Application will be deemed withdrawn by MPMT Applicant.

3. MPMT PROJECT DEVELOPMENT AND OPERATION

A MOA between the Microgrid Aggregator and SCE will govern MPMT Project design, development, testing, and operations. The MOA will include operational coordination requirements applicable to the unique characteristics of the MPMT Project and general requirements consistent with relevant provisions of SCE's Electric Rule 2, SCE's Electric Rule 21, SCE's WDAT and associated Interconnection Agreements, Added Facilities Agreements, and operating protocols of SCE to ensure operational coordination for public safety and overall system operation. The MOA is dependent upon execution of any required Interconnection Agreements and Added Facilities Agreements.

- a. Applicant and SCE will execute a mutually agreeable MOA within 90 business days after the execution of the applicable Interconnection Agreements for the Project Resources (including the Project Grid-forming Resources) and the Added Facilities Agreement.
- b. If the Microgrid Aggregator or MPMT Applicant and SCE fail to execute a MOA within the specific time period, the MPMT Application will be considered withdrawn.

4. ROLES AND RESPONSIBILITIES

- a. Distribution Provider. SCE, as utility distribution owner and operator, is responsible for Distribution Service under both Blue Sky and Island Modes including the sole determination of Emergency Events.
- b. Distribution Service. SCE will provide Distribution Service for the Customers and Project Resources within the Microgrid Boundary during Blue Sky and Island Modes pursuant to all applicable CPUC-approved rules and regulations.
- c. Microgrid Aggregator. The entity that coordinates control of distributed resources, including Project Resources, consistent with relevant provisions of SCE's Electric Rule 2, SCE's WDAT, and SCE's Electric Rule 21 including frequency and voltage and other power quality requirements within SCE established control parameters to enable the MPMT Project to operate in Island Mode.

5. SYSTEM CHANGE

At any time and at its sole discretion, SCE may perform a review of a then-existing MPMT Project and evaluate the impact of any substantive operating changes from the original MIS assumptions regarding customer load, resources, or other operational or safety issues inside or outside the Electrical Boundary of the then-existing MPMT Project. Such review may identify that a System Change has occurred which could render the Microgrid incapable of safely or reliably operating in Island Mode.

In accordance with the MOA, if SCE determines, in its sole discretion, that such a System Change has occurred, SCE will notify Microgrid Aggregator of this determination and perform, at SCE's own expense, a new MIS to determine what modifications, if any, to the existing MPMT Project or the Added Facilities will be needed to allow the Project Resources to be capable of safely transitioning

from Blue Sky Mode to Island Mode, operating in Island Mode and transitioning back to Blue Sky Mode.

6. MPMT SERVICES AND FEES

- a. MPMT Applicant or Microgrid Aggregator is responsible for all applicable interconnection study costs and any cost associated with Project Resource/Project Grid-forming Resource distribution upgrades and service upgrades pursuant to applicable rules including interconnection of resources under Net Energy Metering tariffs.
- b. The MPMT Applicant is responsible for the Microgrid Islanding Study fees and subsequent Added Facilities costs pursuant to SCE's Electric Rule 2. The MPMT Applicant is also responsible for all costs associated with any re-study needed resulting from an MPMT Applicant-initiated System Change.

7. SCE TARIFFS PROGRAMS, AND SERVICE AGREEMENTS

- a. SCE Tariffs During Island and Blue Sky Modes. Billing for SCE Customers will continue to occur under their applicable SCE tariff provisions and rules.
- b. Participation in SCE Programs. Project Resources are eligible to provide generation services and/or participate in demand side management programs during Blue Sky Mode consistent with applicable SCE tariffs, programs, or procurements. However, participation in SCE programs shall not impede the ability to enable Island Mode, as determined by SCE, at any time during which this tariff applies to the MPMT Project or the MOA for the MPMT Project is in effect.

8. SERVICES AGREEMENTS

An existing power purchase agreement or other contract for energy, capacity or Distribution Services to SCE, or any other counterparty, is prohibited for a MPMT Project and/or Microgrid Aggregator, if such power purchase agreement or other contract impedes the ability to enable Island Mode, as determined by Distribution Provider, at any time during which this Tariff applies to the MPMT Project or the MOA for the MPMT Project is in effect.

9. CAISO MARKET PARTICIPATION

Subject to Section 8, Project Resources may be eligible to, but are not required to, participate in the CAISO markets consistent with applicable tariffs and the governing Interconnection Agreement for each generating facility during Blue Sky Mode. During Island Mode, the settlement of energy transactions associated with the Project Resources will continue to occur according to applicable CAISO tariff provisions, power purchase agreements, and applicable rules, as further described in the MOA.

10. METERING

MPMT Project metering requirements are defined in the applicable SCE tariff.

11. TERMINATION

- a. Applicant Termination. Applicant may terminate the MPMT Application process, including Microgrid Islanding Study, for any reason with a 30-day written notice. Applicant will be responsible for any SCE costs incurred through termination date.
- b. SCE Termination. SCE may terminate a MPMT Project pursuant to the terms of the MOA.

- c. MPMT Project development or operation may be terminated pursuant to the terms of the MOA.

12. OTHER MPMT SPECIAL CONDITIONS

SCE may submit a Tier 2 Advice Letter (AL) with the CPUC to modify this Schedule. The AL will be served on the applicable CPUC service list and will be served on Microgrid Aggregator, MPMT Applicants, and any MPMT Customers. The AL shall identify the modifications proposed to the Schedule and the reasons for those modifications.

SCE Table Summary of Notable Deviations from PG&E CMET

Page	Change	Justification
All	SCE will use the term Multi-Property Microgrid Tariff (MPMT) instead of Community Microgrid Enablement Tariff	The new title is specific to SCE and differentiates from PG&E's tariff
1	Limit generation resources interconnected to SCE's Distribution System to those operated at 50 kV or below.	Consistent with SCE's Wholesale Distribution Access Tariff.
1	Added terms and definitions for "Added Facilities" and "Added Facilities Agreement"	Consistency with terms used in Microgrid Operating Agreement
2	Added term and definition for "Island; Islanding"	Consistency with terms in Microgrid Operating Agreement; provides added clarity for the MPMT
3	Added term and definition for "System Change"	Consistency with terms used in Microgrid Operating Agreement; provides added clarity for the MPMT
3-5	New format using steps to detail process flow for MPMT Application compared to CMET. Added details and information for steps throughout application process.	Provides greater clarity and detail to application process, including associated fees and timelines.

Attachment C

SDG&E

SCHEDULE MPMET

Sheet 1

RESIDENTIAL SERVICE

MULTI-PREMISE MICROGRID ENABLEMENT TARIFF (MPMET)

1. APPLICABILITY

This Multi-Premise Microgrid Enablement Tariff (MPMET) schedule (Schedule MPMET or this Schedule) is proposed by SDG&E in response to the California Public Utilities Commission's (CPUC's) August 8, 2023, *Administrative Law Judge's Ruling Ordering Pacific Gas and Electric Company, San Diego Gas & Electric Company, and Southern California Edison Company to Draft a Microgrid Multi-Property Tariff*. This MPMET governs the eligibility, engineering studies, development, and operation of Community Microgrids as defined herein. This Schedule is available to applicants (MPMET Applicants) who (i) meet the MPMET Eligibility Criteria in Section 3, and (ii) submit a complete MPMET Application (Application). Capitalized terms specific to this tariff are defined in section 14 below.

2. TERRITORY

This schedule applies throughout SDG&E's electric distribution service area.

3. MPMET ELIGIBILITY CRITERIA

A MPMET Applicant must meet all of the eligibility criteria outlined below (MPMET Eligibility Criteria):

1. Community Microgrid: The Community Microgrid (CMG) must meet the needs of at least two customers, or two customer premises connected by SDG&E's distribution infrastructure within the Microgrid Boundary. All customers within the Microgrid Boundary must be SDG&E retail Distribution Customers; provided that, where SDG&E determines in its sole discretion that inclusion of electrical loads or customers which do not take SDG&E retail distribution service within the Microgrid Boundary will benefit SDG&E retail Distribution Customers, SDG&E may agree to the inclusion of such loads and/or customers and will submit a notice of and justification for this determination through a Tier 1 Advice Letter.
2. Community Microgrid Parameters: The CMG must include resources owned or controlled by a CMG Authority (CMG Authority Resources) that are interconnected within the Microgrid Boundary. The CMG must have the ability to be operated as a single, controllable entity. The CMG must be able to be disconnected from, and be reconnected to, the larger portion of SDG&E's Distribution System. At least one CMG Authority Resource must have grid-forming capability capable of (i) initiating a voltage acceptable to SDG&E if the CMG is disconnected from the larger portion of SDG&E's Distribution System and is deenergized, (ii) maintaining acceptable frequency and voltage, as determined by SDG&E, when operating in Island Mode, and (iii) synchronizing with the larger portion of SDG&E's Distribution System when transitioning from Island Mode to Blue Sky Mode. CMG Authority Resources must be interconnected to SDG&E's Distribution System pursuant to SDG&E's Wholesale Distribution Access Tariff (WDAT) or Electric Rule 21.
3. Community Microgrid Application:
 - a. The MPMET Applicant must submit a complete MPMET Application to SDG&E.
 - b. The MPMET Applicant must also provide to SDG&E an attestation that it has retained, or will retain, technical partners with experience in the development and operation of grid-forming and grid-following resources.
 - c. The MPMET Applicant must identify the entity(ies), if not the MPMET Applicant, that will be (i) developing those elements of the CMG for which the CMG Applicant has development responsibility,

(Continued)

1C12

Advice Ltr. No. _____

Decision No. _____

Issued by
Dan Skopec
Senior Vice President
Regulatory Affairs

Submitted _____

Effective _____

Resolution No. _____

SCHEDULE MPMET

Sheet 1

RESIDENTIAL SERVICE

MULTI-PREMISE MICROGRID ENABLEMENT TARIFF (MPMET)

and (ii) the CMG Authority responsible for coordinated operation of CMG Authority Resources with SDG&E pursuant an executed Microgrid Operating Agreement (MOA).

4. MPMET PERIOD

MPMET Availability Period: The MPMET shall begin on the Effective Date and shall continue thereafter until the CPUC directs, approves, or makes effective a request by SDG&E that this tariff be closed. At the close of the MPMET, this Schedule will close to new Applications and no new MOAs will be offered by SDG&E. Applications submitted prior to the close will continue to be processed under this Schedule, unless otherwise directed by the CPUC. Any MOA executed under this Schedule will continue in effect pursuant to the terms of the MOA.

5. INTERCONNECTION STUDIES

1. Each CMG Authority Resource is required to be interconnected to SDG&E's Distribution System under SDG&E's WDAT or Electric Rule 21.
2. Interconnection Study: Each CMG Authority Resource that has not already submitted an interconnection request pursuant to SDG&E's WDAT or Electric Rule 21, will require a separate application for an Interconnection Study pursuant to SDG&E's WDAT or Electric Rule 21.
3. Interconnection Agreement: Pursuant to SDG&E's WDAT or Electric Rule 21, as applicable, the Interconnection Study will identify any required Interconnection Facilities, Distribution Upgrades, or Network Upgrades. Each CMG Authority Resource is required to obtain an executed Interconnection Agreement.
4. MPMET Applicant may continue with the interconnection of resources under SDG&E's WDAT or Electric Rule 21 independent of a withdrawn MPMET Application.

6. MICROGRID ISLANDING STUDY

1. In advance of the completion of the Interconnection Study, SDG&E and the MPMET Applicant may, at each party's discretion, agree to begin the mandatory Microgrid Islanding Study.
2. Once it has received an agreement with the MPMET Applicant to do so, SDG&E will conduct a Microgrid Islanding Study, requiring cooperation of the MPMET Applicant, to ensure the operational safety and stability of the CMG during Island Mode. The Microgrid Islanding Study will:
 - a. Assess the engineering and operational viability of the MPMET Applicant's proposed Microgrid Boundary,
 - b. Produce a description of operations for the CMG that includes the logical architecture for the associated protection, controls, communications, cyber security, and other system components,
 - c. Identify the equipment and systems that ensure faults within the microgrid, and unacceptable frequency and voltage, can be detected when in Island Mode,
 - d. Identify the controls required to ensure power quality is maintained when in Island Mode,
 - e. Identify the required SDG&E-owned Microgrid Special Facilities that, pursuant to Electric Rule 2, will be included in a Microgrid Special Facilities Agreement with the CMG Authority, and
 - f. Identify the CMG Authority-owned Balance of System necessary for safe and reliable transition to, operation in, and transition from Island Mode.

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1C12

Advice Ltr. No. _____

Decision No. _____

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Submitted _____

Effective _____

Resolution No. _____

SCHEDULE MPMET

Sheet 1

RESIDENTIAL SERVICE

MULTI-PREMISE MICROGRID ENABLEMENT TARIFF (MPMET)

Customer-owned Distributed Energy Resource (DER) controllers and protective relays must be validated by SDG&E for interoperability with SDG&E's electric Distribution System.

33. MPMET Applicant Review

- a. MPMET Applicant will have up to 30 calendar days to review the Microgrid Islanding Study and sign the Microgrid Special Facilities Agreement.
- b. If, after review of the Microgrid Special Facilities Agreement, the MPMET Applicant declines to proceed with the CMG, the MPMET Applicant will notify SDG&E in writing within 5 calendar days and the MPMET Application will be deemed withdrawn.

7. COMMUNITY MICROGRID DEVELOPMENT AND OPERATION

CMG development and operation will be governed by the MOA and/or other similar agreement(s) to carry out this tariff. A CMG's use of SDG&E's Distribution System requires operational coordination for reliability and public safety and for efficient Distribution System operations.

1. Roles and Responsibilities

- a. Distribution Provider. SDG&E as utility Distribution System owner and operator is responsible for providing Distribution Services in both Blue Sky and Island Modes, including the sole determination of when to transition into, and out of, Island Mode.
- b. Distribution Service. SDG&E will provide Distribution Service for the customers and resources within the Microgrid Boundary during Blue Sky and Island Modes pursuant to all applicable rules on file with the CPUC.
- c. Community Microgrid Authority (CMG Authority). During Island Mode, the CMG Authority is responsible for the operation of CMG Authority Resources in coordination with SDG&E's operation of its Distribution System. Such operation must be consistent with relevant provisions of SDG&E's Electric Rule 2, WDAT, and Electric Rule 21, including maintaining frequency, voltage, and power quality within SDG&E-established control parameters to enable the CMG to operate safely and reliably.

2. Microgrid Operating Agreement (MOA). A MOA between the CMG Authority and SDG&E will govern CMG development, testing, commissioning, and commercial operations. The MOA will include operational coordination requirements applicable to the unique characteristics of the CMG and general requirements consistent with relevant provisions of SDG&E's Electric Rule 2, Electric Rule 21, WDAT and associated Interconnection Agreements, Microgrid Special Facilities Agreements, and operating protocols of the Distribution Provider. These requirements are designed to ensure operational coordination for public safety, reliability, and efficient Distribution System operation during Island Mode. Execution of the MOA is contingent on completion of the Microgrid Islanding Study and execution of required Interconnection Agreements and Microgrid Special Facilities Agreements.

- a. CMG Authority and SDG&E will execute a mutually agreeable MOA within 90 days of execution of the later of any applicable Interconnection Agreements or Microgrid Special Facilities Agreements.
- b. If the CMG Authority and SDG&E fail to execute a MOA within the specific time period, the MPMET Application will be deemed rejected.

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1C12

Advice Ltr. No. _____

Decision No. _____

Issued by

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Senior Vice President
Regulatory Affairs

Submitted _____

Effective _____

Resolution No. _____

SCHEDULE MPMET

Sheet 1

RESIDENTIAL SERVICE

MULTI-PREMISE MICROGRID ENABLEMENT TARIFF (MPMET)

3. System Change. A System Change will require re-study of the changes in an updated Microgrid Islanding Study.
4. The MOA provides SDG&E the right to suspend CMG operation, change the Microgrid Islanding Point, make other Distribution System Changes as required to meet its service obligations pursuant to all applicable rules on file with the CPUC, or terminate the MOA for CMG Authority's non-performance including failure to pay for the costs of all studies and Distribution System Changes.

8. MPMET SERVICES AND FEES

1. The entities submitting requests to interconnect CMG Authority Resources are responsible for all applicable interconnection study fees and, subject to Section 5.3, any required distribution upgrades, and service upgrades pursuant to applicable rules and regulations including interconnection of resources under Net Energy Metering tariffs.
2. MPMET Applicant is responsible for the Microgrid Islanding Study fees and subsequent Microgrid Special Facilities costs pursuant to Electric Rule 2.

9. SDG&E TARIFFS, PROGRAMS AND SERVICE AGREEMENTS

1. SDG&E Tariffs During Island Mode and Blue Sky Mode. Billing for all SDG&E Distribution Customers (bundled or unbundled) will continue to occur under their applicable tariff provisions and rules.
2. Participation in SDG&E Programs. CMG Authority Resources are eligible to provide distribution services and/or participate in demand side management programs during Blue Sky Mode and Island Mode consistent with applicable SDG&E tariffs, programs, or procurements. However, during Island Mode CMG Authority is responsible for ensuring such participation does not interfere with the ability of SDG&E to provide safe and reliable Distribution Service. CMG Authority should advise SDG&E of such anticipated participation at the time the Microgrid Islanding Study is initiated so that the potential impacts on Island Mode operation can be accounted for.

10. CAISO MARKET PARTICIPATION

1. Participation in California Independent System Operator (CAISO) Market: During Blue Sky Mode and Island Mode, CMG Authority Resources are eligible to participate in the CAISO markets pursuant to applicable CAISO tariff provisions, CAISO market participation rules, and the governing Interconnection Agreement for each Generating Facility. The CAISO's provisions and rules govern the settlement of energy and ancillary service capacity transactions in the CAISO's forward markets, as well as imbalances based on the difference between metered output/consumption and the forward market results.

11. METERING

Metering requirements applicable to resources and SDG&E Distribution Customers within the Microgrid Boundary are the same as for resources and SDG&E Distribution Customers (bundled or unbundled) outside the Microgrid Boundary. These requirements are defined in the applicable SDG&E Electric Rules including, but not limited to, 2, 15, 16, 18, 19, 21, and SDG&E's WDAT, and for resources participating in the CAISO's wholesale markets, the applicable CAISO metering rules.

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1C12

Advice Ltr. No. _____

Decision No. _____

Issued by

Dan Skopec

Senior Vice President
Regulatory Affairs

Submitted

Effective

Resolution No. _____

SCHEDULE MPMET
RESIDENTIAL SERVICE
MULTI-PREMISE MICROGRID ENABLEMENT TARIFF (MPMET)

Sheet 1

12. TERMINATION

1. Termination by MPMET Applicant:
 - a. MPMET Applicant may terminate the application process, including the Microgrid Islanding Study, for any reason with 30 days written notice. MPMET Applicant will be responsible for any SDG&E costs incurred through termination date.
 - b. CMG development or operation may be terminated pursuant to the terms of the MOA.
2. Termination by SDG&E: SDG&E may terminate a CMG pursuant to the terms of the MOA, or as otherwise provided under this Schedule.
3. MPMET Cure Period: A MPMET Application shall be deemed withdrawn 10 business days after SDG&E has notified the MPMET Applicant in writing that the MPMET Applicant has not submitted sufficient information to enable SDG&E to move forward with processing of the MPMET Application, unless (i) the MPMET Applicant has provide the needed information, or (ii) SDG&E has, in writing, extended the time in which the MPMET Applicant can provide the needed information.

13. MPMET SPECIAL CONDITIONS

The following Special Conditions apply to SDG&E's MPMET:

1. SDG&E may submit a Tier 2 Advice Letter (AL) with the CPUC seeking to modify this Schedule. The AL will be served on the applicable CPUC service list and will be served on the CMG Authority and MPMET Applicants. The AL shall identify the modifications proposed to the Schedule and the reasons for those modifications.

14. MPMET DEFINITIONS

Capitalized terms in this Schedule have the meaning as defined in this Section.

1. Blue Sky Mode. The mode of operation when the Community Microgrid is connected to, and operating in parallel with, the larger SDG&E Distribution System.
2. MPMET Applicant. The person or entity who submits a MPMET Application to SDG&E pursuant to the terms and conditions of this Schedule.
3. CMG Authority Balance of System. All of the microgrid components owned or controlled by the CMG Authority, other than the CMG Authority Resources, necessary to meet the requirements of the CMG as identified in the Microgrid Islanding Study.
4. Community Microgrid (CMG). For the purposes of this Schedule, a CMG (i) is defined as the tangible and non-tangible assets, facilities and equipment needed to create and operate a Community Microgrid, including the CMG Authority Resources, Microgrid Special Facilities, CMG Authority Balance of System, contract rights, easements, rights of way, licenses and other interests or rights in real estate reasonably necessary for the construction, operation, and maintenance of the Community Microgrid subject to this

(Continued)

1C12

Advice Ltr. No. _____

Decision No. _____

Issued by

Dan Skopec

Senior Vice President
Regulatory Affairs

Submitted

Effective

Resolution No. _____

SCHEDULE MPMET

Sheet 1

RESIDENTIAL SERVICE

MULTI-PREMISE MICROGRID ENABLEMENT TARIFF (MPMET)

MPMET, (ii) uses SDG&E distribution facilities, and (iii) enables SDG&E to provide Distribution Services to at least two customers or two customer premises within a Microgrid Boundary during Island Mode.

5. Community Microgrid Authority (CMG Authority). As defined in Section 7.1.c, above. The CMG Authority is the entity that assumes the counter-party responsibilities of the executed MOA.
6. CMG Authority Resource(s). Generating facilities, storage technology and/or load management technology owned or controlled by the CMG Authority within the Microgrid Boundary.
 - a. The CMG Authority must have at least one Grid-Forming CMG Authority Resource that has a DER controller and grid-forming capability sufficient to provide acceptable frequency and voltage during Island Mode operation.
 - b. CMG Authority Resources must comply with the emissions standards adopted by the California Air Resources Board (CARB) pursuant to the distributed generation certification program requirements of Section 94203 of Title 17 of the California Code of Regulations, or any successor regulation.
 - c. CMG Authority Resources must be interconnected to SDG&E's Distribution System within the Microgrid Boundary (either directly as an In-Front-Of-the-Meter (IFOM) CMG Authority Resources or indirectly as a Behind-The-Meter (BTM) CMG Authority Resources connected to a Distribution Customer's electrical system) pursuant to SDG&E's WDAT or Electric Rule 21.
7. Distribution Customer. An end-use customer taking Distribution Service from SDG&E.
8. Distribution Provider. SDG&E, which owns, controls, and operates the facilities and systems to provide Distribution Service to the SDG&E Distribution Customers outside and within the Microgrid Boundary.
9. Distribution Service. The transporting of electric power over and through various SDG&E-owned facilities for delivery to a Distribution Customer. Distribution Service includes all of the associated retail services such as metering, billing, and customer service.
10. Distribution System. SDG&E's distribution system broadly consists of the distribution facilities within transmission/distribution substations, the primary distribution circuits, and the secondary distribution system. The distribution system includes underground and overhead conductors, poles and towers that support overhead conductors, and other SDG&E-owned service-related equipment as defined in SDG&E Electric Rule 16. The secondary distribution system consists of (i) the line transformers that step the primary voltage down to a secondary voltage, (ii) secondary conductors, (iii) service transformers that step the secondary voltage down to the level provided to the customer at the SDG&E meter, (iv) service drops from the service transformers to the SDG&E meter, and (v) SDG&E's electric meters. The provisions of this MPMET apply to service on SDG&E's Distribution System.
11. Effective Date. The date upon which: (1) any CPUC disposition, resolution, or other Commission decision makes this Schedule effective; or (2) if an effective date of the Schedule is not so specified, the date of any CPUC disposition, resolution, or other order that approves the Schedule unconditionally.
12. Emergency Events. As determined by SDG&E in its reasonable discretion, a condition or situation requiring prompt action by SDG&E (i) to maintain the reliable operation of the Distribution System; (ii) to prevent or limit the loss of load or generation; (iii) to maintain public safety or the safety of SDG&E's personnel; (iv) to protect SDG&E, customers, or third-party property; or (v) as a Scheduled Island Mode

(Continued)

1C12

Advice Ltr. No. _____

Decision No. _____

Issued by

Dan Skopec

Senior Vice President
Regulatory Affairs

Submitted

Effective

Resolution No. _____

SCHEDULE MPMET

Sheet 1

RESIDENTIAL SERVICE

MULTI-PREMISE MICROGRID ENABLEMENT TARIFF (MPMET)

Operation as a preventative action ahead of impending weather events or natural disasters or in response to other unusual conditions.

13. Generating Facility. All generators, electrical wires, equipment, and other facilities, excluding Interconnection Facilities, owned, or provided by the producer for the purpose of producing electric power, including storage.
14. Grid-Forming CMG Authority Resource. A CMG Authority Resource that has the ability to (i) create a stable voltage reference with no reliance on an external grid voltage at a level acceptable to SDG&E when disconnected from SDG&E's distribution system, (ii) maintain this stable voltage upon connection to SDG&E's distribution facilities during Island Mode, and (iii) provide frequency control sufficient to maintain frequency within a range acceptable to SDG&E during Island Mode.
15. Interconnection Agreement. The agreement and associated documents or any successor agreement and associated documentation governing the terms and conditions of the interconnection of CMG Authority Resources with SDG&E's grid under WDAT or Electric Rule 21, including any description of the plan for interconnecting the CMG Authority Resources to the grid.
16. Interconnection Study. A study to establish the requirements for interconnection of a Generating Facility with Distribution Provider's Distribution System or Transmission System, pursuant to SDG&E's WDAT or Electric Rule 21, as applicable.
17. Island Mode. Operation of the Microgrid by SDG&E when a Community Microgrid is disconnected from the larger SDG&E Distribution System at the Microgrid Islanding Point. SDG&E will operate the Microgrid in Island Mode by (i) directly dispatching CMG Authority Resources within the Microgrid Boundary, and/or (ii) setting device parameters (such as protection settings that open breakers when frequency or voltage are outside of specified ranges) within which CMG Authority Resources are required to operate.
18. Microgrid. An interconnected system of loads and energy resources, including, but not limited to, distributed energy resources, energy storage, demand response tools, or other management, forecasting, and analytical tools, appropriately sized to meet customer needs, within a clearly defined Microgrid Boundary that can act as a single, controllable entity, and can connect to, disconnect from, or run in parallel with (Blue Sky Mode) the larger portions of the electrical grid, or can be managed and isolated to withstand larger disturbances and maintain electrical supply to connected critical infrastructure.
19. Microgrid Boundary. An electrically contiguous area which can be separated from the larger SDG&E Distribution System at the Microgrid Islanding Point that defines a microgrid as a single, controllable entity.
20. Microgrid Islanding Point(s). The point(s) on SDG&E's Distribution System that allows the Microgrid to separate from and reconnect to the rest of the Distribution System.
21. Microgrid Islanding Study. An engineering study conducted by SDG&E or its agents to determine (i) the required modifications to SDG&E's distribution facilities, and (ii) the required CMG Authority's Balance of System, to enable safe and reliable Island Mode operation. These modifications are required to provide the requested Microgrid Boundary and to allow SDG&E to operate its distribution facilities in

(Continued)

1C12

Advice Ltr. No. _____

Decision No. _____

Issued by

Dan Skopec

Senior Vice President
Regulatory Affairs

Submitted _____

Effective _____

Resolution No. _____

SCHEDULE MPMET

Sheet 1

RESIDENTIAL SERVICE

MULTI-PREMISE MICROGRID ENABLEMENT TARIFF (MPMET)

Island Mode at the voltage, frequency and power quality required by Electric Rule 2. The Microgrid Islanding Study also provides the estimated cost and scheduled completion date for the required modifications to SDG&E's distribution facilities.

22. Microgrid Operating Agreement (MOA). As defined in Section 7.2. An agreement between SDG&E and the CMG Authority that governs MPMET CMG development and testing, and commercial operations to ensure safety and service quality in compliance with applicable SDG&E rules.
23. Microgrid Special Facilities. Modifications to SDG&E's distribution facilities required to operationalize the Microgrid Boundary and that allow SDG&E to operate its distribution facilities in Island Mode at the voltage, frequency and power quality required by Electric Rule 2. These modifications shall include all tangible and non-tangible assets, facilities, and equipment owned by SDG&E that are necessary for the safe and reliable operation of the CMG in Island Mode as identified in the Microgrid Islanding Study.
24. Microgrid Special Facilities Agreement (Microgrid SFA). The agreement that describes the SDG&E-owned upgrades on SDG&E's Distribution System, to be installed under the terms and conditions regarding Special Facilities on file with the Commission, pursuant to Electric Rule 2, and incorporated in the MOA. The Microgrid SFA specifies how SDG&E will be compensated for the costs it incurs to build the Microgrid Special Facilities.
25. Non-CMG Authority Resource(s). Generating facilities, storage technology, and/or demand management technology within the Microgrid Boundary that are not CMG Authority Resources.
26. Scheduled Island Mode Operation. A Microgrid operating in Island Mode where such operation is scheduled in advance and coordinated between the CMG Authority and SDG&E.
27. Special Facilities. Shall have the same meaning as defined in SDG&E's Electric Rule 2, as may be modified from time to time.
28. System Change. Any change in CMG Authority Resources, Non-CMG Authority Resources, or customer loads within the Microgrid Boundary, or other affected systems outside the Microgrid Boundary, that has a material impact on the ability of SDG&E to provide Distribution Services at an acceptable frequency, voltage and power quality for the CMG in Island Mode.

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1C12

Advice Ltr. No. _____

Decision No. _____

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Dan Skopec

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Regulatory Affairs

Submitted _____

Effective _____

Resolution No. _____

Table Describing SDG&E's Changes to PG&E's Community Microgrid Enablement Tariff

The following table describes the changes San Diego Gas & Electric Company (SDG&E) has made to Pacific Gas and Electric Company's (PG&E) Community Microgrid Enablement Tariff (E-CMET) to draft SDG&E's Multi-Premise Community Microgrid Tariff (MPMET) pursuant to Administrative Law Judge Rizzo's August 8, 2023, Ruling in R.19-09-009. The descriptions of deviations from PG&E's E-CMET are based on a comparison to PG&E's E-CMET filed with the California Public Utilities Commission on July 31, 2023, in proceeding R.19-09-009.¹

<u>E-CMET Section</u>	<u>E-CMET Section Title/Topic</u>	<u>Description of SDG&E's Changes to PG&E's E-CMET</u>
Heading	Electric Schedule E-CMET	Changed to SDG&E's Electric Schedule MPMET [Multi-Premise Microgrid Enablement Tariff]. Use of "Premise" is consistent with term in SDG&E's Commission-approved Rule 19.
1	Applicability	Replaces PG&E's "Community Microgrid Enablement Tariff (CMET)" with "Multi-Premise Microgrid Enablement Tariff (MPMET)."
2	Territory	PG&E's "electric service area" changed to SDG&E's "electric distribution service area."
3	Eligibility	Removes references to PG&E's CMET requirements. Adds requirement that CMG must meet needs of at least two premises connected by SDG&E infrastructure.
3.1	Community Microgrid	Changes "Project" to "Community Microgrid (CMG)". Adds references to retail and non-retail (wholesale) customers.
3.2	Location	Section removed as location requirements addressed elsewhere.
3.3	Community Microgrid Parameters	Adds references to CMG Authority Resources and specifies that at least one of these resources must have grid-forming capability. Removes reference to 20 MW aggregated capacity limit. Adds reference to the defined term "Microgrid Boundary."
3.4	Community Interest	Section removed as unnecessary.
3.5	Pre-Application Report	Section removed as unnecessary. New section added that requires MPMET Applicant to submit a complete MPMET Application.

¹ PG&E's July 31, 2023, Compliance Filing Regarding the Community Microgrid Enablement Tariff.
<https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M515/K940/515940263.PDF>

3.6	Applicant Experience	Modify CMET's applicant experience attestation requirement by allowing technical partners that may not have specific experience with "microgrids." Add requirement that MPMET Applicant identify partners including the CMG Authority.
4	CMET Period	Minor edit to change "CMET Availability Period" to "MPMET Availability Period".
5	Interconnection Studies	
5.1	Each Project Resource	Replace "Project Resource" with "CMG Authority Resource."
5.2	Interconnection Study	Clarify that resources that have already submitted an interconnection application are eligible to be CMG Authority Resources.
5.3	Interconnection Agreement	Minor edits for readability.
5.4	Interconnection independent of withdrawal	Minor edits
6.1	Agreement to begin Microgrid Islanding Study	Minor edits. Includes language stating Microgrid Islanding Study is mandatory.
6.2	Microgrid Islanding Study	For readability purposes, restructured CMET's description of the Microgrid Islanding Study. Made an addition indicating that the Microgrid Islanding Study would identify CMG Authority-owned Balance of System. CMET's reference to "customer owned microgrid controllers" changed to "Distributed Energy Resource (DER) controllers." Removed CMET's reference to "list of approved equipment." Added language stating customer-owned Distributed Energy Resource controllers and protective relays must be validated by SDG&E for interoperability with SDG&E's electric Distribution System.
6.3	CMET Applicant Review	
6.3.a	Review period	No changes
6.3.b	Decision not to proceed	Minor edits
7	Community Microgrid Development and Operation	Added references to "reliability" and "efficient" Distribution System operations.
7.1	Roles and Responsibilities	

7.1.a	Distribution Provider	Added reference to transitions into and out of Island Mode.
7.1.b	Distribution Service	Added "Microgrid Boundary" for clarity.
7.1.c	Community Microgrid Aggregator (CMG Aggregator)	Replaced CMET's "CMG Aggregator" with MPMET's "CMG Authority". Removed reference to "demand side management resources" as "demand side management resources" are already included in the definition of "CMG Authority Resources." Other edits for readability.
7.2	Microgrid Operating Agreement [MOA]	Added "reliability" and "efficient Distribution System operation." Other edits for readability.
7.2.a	Execution of MOA	Minor edits.
7.2.b	Failure to execute MOA	Minor edits.
7.3	System Change	Minor edits.
7.4	PG&E right to suspend	Changed "PG&E" to "SDG&E". Revised conform to MOA and to clarify that MOA can be terminated if CMG Authority fails to pay for costs SDG&E incurs for the CMG.
8	CMET Services and Fees	"CMET" changed to "MPMET".
8.1	Applicable PG&E tariffs	Removed as reference is unnecessary.
8.2	Responsibility for interconnection study fees and interconnection upgrade costs	Added clarification that the entity submitting an interconnection request is not necessarily the CMG Authority such that the CMG Authority is not necessarily responsible for interconnection costs. Made other simplifying edits.
8.3	Responsibility for costs of Microgrid Pre-Application Study, Microgrid Islanding Study and Special Facilities	Removed reference to Pre-Application Study. Removed reference to offset "credits" as not being a tariff provision, but a separate program, potentially, offered by the IOU.
9	PG&E Tariffs, Programs and Service Agreements	Changed "PG&E" to "SDG&E".
9.1	PG&E tariffs during Island and Blue Sky Modes	Removed unnecessary reference to "Bundled Customers." Bundled and unbundled are eligible under this Schedule.
9.2	Participation in PG&E Programs	Revised to clarify responsibility of CMG Authority.
9.3	Services Agreements	Deleted CMET's "Services Agreement" provision as it is unnecessary, unworkable, and potentially counter-productive.
10.1	CAISO Market Participation	Revised to clarify CAISO settlement impacts in both Blue Sky Mode and Island Mode.

11	Metering	Revised to clarify that MPMET does not change any SDG&E and CAISO metering requirements. In addition, updated to reflect the appropriate SDG&E electric rule references.
12	Termination	
12.1	Applicant Termination	Minor edit.
12.1.a	Termination of application process	Minor edits.
12.1.b	Termination of CMET Project development or operation	Minor edit to replace "CMET Project" with "CMG".
12.2	PG&E Termination	Minor edits.
		SDG&E added a new "MPMET Cure Period" section. New section specifies that an application is deemed withdrawn 10 business days after SDG&E notifies an applicant in writing that sufficient information has not been submitted to continue processing the application.
13	CMET Special Conditions	Minor changes.
13.1	CMET Suspension	Made edits that change CMET's focus on "suspension" of the tariff to MPMET's "modifications" of the tariff.
14	CMET Definitions	Changed PG&E's "CMET" to SDG&E's "MPMET."
14.1	Blue Sky Mode	Made edits to simplify the definition.
14.2	CMET Applicant	Changed PG&E's "CMET Applicant" to SDG&E's "MPMET Applicant." Made other minor edits.
14.3	CMET Customer	Removed definition of "CMET Customer" as there is no need to define this term.
		SDG&E added a new definition ("CMG Authority Balance of System") as this is an output of the Microgrid Islanding Study.
14.4	CMET Project	Consolidated PG&E's definitions of "CMET Project" and "Community Microgrid" in SDG&E's definition of "Community Microgrid (CMG)." Removed the defined term "CMET Project." SDG&E's definition of "Community Microgrid (CMG)" includes additional edits for clarity.
14.5	Community Microgrid	Consolidated PG&E's definitions of "CMET Project" and "Community Microgrid" in SDG&E's definition of "Community Microgrid (CMG)". SDG&E's definition of

		"Community Microgrid (CMG)" includes additional edits for clarity.
14.6	Community Microgrid Aggregator (CMG Aggregator)	Changed CMET's "CMG Aggregator" to SDG&E's "CMG Authority". Added reference to Section 7.1.c of SDG&E's MPMET where CMG Authority is described.
		SDG&E added a definition of "CMG Authority Resource(s)." This definition replaces and restructures CMET's definition of "Project Resources." The restructuring includes the requirement that at least one CMG Authority Resource has grid-forming capability.
14.7	Community Microgrid Enablement Program (CMEP)	Removed the definition of PG&E's CMEP.
14.8	Critical Facility	Removed definition of "Critical Facility" as this is not used in the tariff.
		SDG&E added a definition of "Distribution Customer."
14.9	Distribution Provider	Minor edits clarifying SDG&E's role.
14.10	Distribution Service	Minor edits clarifying the scope of Distribution Services.
14.11	Distribution System	Made changes that consolidate PG&E's definition of the "Distribution System" and PG&E's definition of "Service Facilities" in SDG&E's definition of the "Distribution System."
14.12	Effective Date	Added clarifying language.
14.13	Emergency Events	Minor edits.
14.14	Generating Facility	Minor edits for readability.
		SDG&E added a new definition ("Grid-Forming CMG Authority Resource").
14.15	High Fire Threat District	Removed this CMET definition.
14.16	Interconnection Agreement	Minor edits.
14.17	Interconnection Study	Minor edits.
14.18	Island Mode	Expanded CMET's definition of "Island Mode" to specify SDG&E's role.
14.19	Microgrid	Minor edit for clarity.
14.20	Microgrid Boundary	Minor edit.
14.21	Microgrid Islanding Point (MIP)	Removed the acronym "MIP" as this acronym conflicts with the acronym for the Microgrid Incentive Program (MIP). Removed references to IEEE standards to

		allow for broader applications of communication standards.
14.22	Microgrid Island Study	Revised for clarity and to add reference to Balance of System, an output of the Microgrid Islanding Study.
14.23	Microgrid Operating Agreement	Simplified the definition by adding a reference to Section 7.2 of the MPMET where the MOA is described.
14.24	Microgrid Pre-Application Study	Deleted CMET's "Microgrid Pre-Application Study" definition.
14.25	Microgrid Special Facilities	Minor edits.
14.26	Microgrid Special Facilities Agreement	Minor edits. SDG&E replaced the word "Project" with "Microgrid" and expanded the definition to include cost responsibility.
14.25	Outage Prone Area	Removed the definition of "Outage Prone Area."
14.26	PG&E Bundled Customer	Removed the definition of "Bundled Customer" since this definition is not needed, as identified above.
		SDG&E added a definition for "Non-CMG Authority Resource(s)."
14.29	Project Resource	SDG&E added a definition of "CMG Authority Resources." This definition replaces and restructures CMET's definition of "Project Resources." Removed CMET's definition of "Project Resource."
14.30	Scheduled Island Mode Operation	Added clarifying detail.
14.31	Service Facilities	Made changes that consolidate PG&E's definition of the "Distribution System" and PG&E's definition of "Service Facilities" in SDG&E's definition of the "Distribution System." Removed CMET's definition of "Service Facilities."
14.32	Special Facilities	Minor change to reflect SDG&E's Rule 2 rather than PG&E's.
14.33	Special Facilities Agreement	Removed. Definition of "Microgrid Special Facilities Agreement" addresses this.
14.34	System Change	Expanded to ensure consistency with modified definitions.
14.35	Unscheduled Island Mode Operation	Deleted CMET's "Unscheduled Island Mode Operation" as not necessary for SDG&E's MPMET.