

Schedule MPMT
Multi-Property Microgrid Tariff

Sheet 1

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.

This Schedule shall be available to MPMT Applicants upon approval of Advice 5436-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 or two MPMT premises (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 retail Distribution Customers; provided that, where SCE determines in its sole discretion that inclusion of electrical loads or customers which do not take SCE retail distribution service in a MPMT Project will benefit SCE retail Distribution Customers, SCE 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.
- 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 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.

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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 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.

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SPECIAL CONDITIONS (Continued)

1. DEFINITIONS (Continued)

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 (MIS): 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.

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SPECIAL CONDITIONS (Continued)

1. DEFINITIONS (Continued)

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 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 Rule 2).

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SPECIAL CONDITIONS (Continued)

1. DEFINITIONS (Continued)

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 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 it has retained, or will retain, technical partners with experience in the development and operation of grid-forming and grid-following resources.
- 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 for 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.

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SPECIAL CONDITIONS (Continued)

2. PROCESS (Continued)

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
- 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
- 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' 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 estimated costs of the MIS. The MPMT Applicant is responsible for the actual costs of the MIS. Once the MPMT Applicant signs the MIS Agreement and pays the deposit fee, SCE estimates it will commence the MIS.

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SPECIAL CONDITIONS (Continued)

2. PROCESS (Continued)

Phase 3: MPMT Application Process (Continued)

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.

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SPECIAL CONDITIONS (Continued)

2. PROCESS (Continued)

Phase 3: MPMT Application Process (Continued)

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.

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SPECIAL CONDITIONS (Continued)

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.

For any such unplanned changes that are necessary to maintain safety or reliability, SCE shall take immediate action with no prior notification necessary to the Microgrid Aggregator. Within 24 hours, SCE shall notify the Microgrid Aggregator of the unplanned changes and provide an estimate of how long the changes are expected to persist. If any such unplanned changes are permanent or expected to persist for longer than 3 calendar days, the Microgrid Aggregator will be given an opportunity to respond or request more information. If any such planned changes are permanent or expected to persist for longer than 3 calendar days, SCE will notify the Microgrid Aggregator at least 30 business days in advance and the Microgrid Aggregator will be given an opportunity to respond or request more information. If any such planned changes are expected to persist for 3 calendar days or fewer, SCE will notify the Microgrid Aggregator at least 5 business days in advance with no opportunity for the Microgrid Aggregator to respond or request more information. In the event the date that SCE determines there is a need for a planned change precludes the ability of SCE to honor the timing of these notice provisions, SCE shall provide notice as soon as is practicable.

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SPECIAL CONDITIONS (Continued)

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 Programs. Project Resources are eligible to provide generation services and/or participate in demand side management programs during Blue Sky Mode consistent with applicable tariffs, programs, or procurements. However, participation in 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.

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SPECIAL CONDITIONS (Continued)

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 Electric Rules including, but not limited to, 2, 15, 16, 17, 18, 21, and SCE's WDAT GIP, and for resources participating in the CAISO's wholesale markets, the applicable CAISO metering rules.

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.

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