



San Diego Gas & Electric Company
San Diego, California

Original Cal. P.U.C. Sheet No. 35507-E

Canceling _____ Cal. P.U.C. Sheet No. _____

SAMPLE FORMS

Sheet 1

FORM 142-05221

LOW VARIABILITY MICROGRID STANDBY CUSTOMER APPLICATION
FOR CONTRACT DEMAND CHARGE SUSPENSION

(10/21)

(See Attached)

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N

N
N
N

1P5

Advice Ltr. No. 3876-E

Decision No. D.21-07-011

Issued by
Dan Skopec
Vice President
Regulatory Affairs

Submitted Oct 13, 2021

Effective _____

Resolution No. _____



**LOW VARIABILITY MICROGRID STANDBY CUSTOMER
APPLICATION FOR CONTRACT DEMAND CHARGE SUSPENSION**

<i>Project Name:</i>	<i>Date Received:</i>	<i>Generating Facility ID:</i>

(For SDG&E Use Only)

Customer Electric Account Information: Behind which meter and to which electric Service Account will the Microgrid be interconnected with SDG&E? *Note:* Customer Service account number must match the customer's utility bill account information.

Name shown on SDG&E service account	Service Account Number	Meter Number	
Service Account Street Address	City	State	Zip Code

Customer Account Contact Information: Who is the contact for progress updates and /or additional information?

Contact Person	Company Name	
Phone	Fax	Email

Project Contact Information: Who is the project contact for this Microgrid?

Project Contact Person	Company Name		
Phone	Fax	Email	
Mailing Address	City	State	Zip Code



**LOW VARIABILITY MICROGRID STANDBY CUSTOMER
APPLICATION FOR CONTRACT DEMAND CHARGE SUSPENSION**

Low Variability Microgrid Standby Customer operates a microgrid consisting of resources interconnected under Rule 21 and under one of San Diego Gas & Electric Company's (SDG&E) retail tariffs with resources that meet the following requirements.

A. Self-Generation Incentive Program

Low Variability Microgrid Standby Customer must not have received, or be expected to receive, an incentive payment through the Self-Generation Incentive Program unless it can demonstrate incremental benefit. The Low Variability Microgrid Standby Customer could demonstrate that the operation of the Microgrid would be functionally different than otherwise operated in absence of the suspension in order to still qualify.

Did the Low Variability Microgrid Standby Customer receive or expect to receive SGIP payment?

Yes _____ No _____

B. Variability Performance Standards

1. Capacity Factor or Self-Supply Factor as a whole is greater than 85 percent.

Capacity Factor = ratio of energy actually produced by a generating unit to the maximum amount of energy it could produce over the course of a year.

Self-Supply Factor = ratio of electricity actually produced by the customer's microgrid to the total amount of electricity consumed at the customer's site, regardless of source, over the course of a year

Is the Capacity Factor or Self-Supply Factor as a whole greater than 85 percent?

Yes _____ No _____

2. Availability of the Microgrid is greater than 95 percent.

Availability = the number of hours a resource is producing electricity or available to produce electricity divided by the total hours in a year.

Is the Availability of the Microgrid greater as a whole greater than 95 percent?

Yes _____ No _____



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C. Emissions Performance Standards

1. Each non-renewable source within a Microgrid shall individually 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, regardless of if the resource is required to obtain certification, pursuant to the California Air Resources Board (CARB) distributed generation program. For demonstrating compliance with this first emissions criterion, SDG&E accepts either 1) independently verified, reputable third-party bench test data meeting the emissions standards or 2) certification from CARB.

Does the demonstrate compliance with the emissions criterion as outlined above?

Yes _____ No _____

2. Non-renewable resources have the technical capacity to operate using at least one renewable fuel, such as, but not limited to, renewable natural gas, biogas, and green hydrogen by at the time of application for the suspension. Non-renewable resources are not defined as renewable in the latest version of the California Energy Commission's Renewables Portfolio Standard Eligibility Guidebook and the Overall Program Guidebook. For demonstrating compliance with this second emissions criterion, SDG&E accepts the manufacturer's credible documentation of the ability of the equipment to operate using one or more renewable fuels while meeting all applicable performance standards.

Does resource operate using at least one renewable fuel?

Yes _____ No _____

3. Low Variability Microgrid Standby Customer must commit the time of this application for the suspension to converting to and exclusively utilizing renewable fuels, as reasonably feasible and practicable, by December 31, 2030. For demonstrating compliance with this third emissions criterion, Low Variability Microgrid Standby Customer must submit to SDG&E the following information on their progress to transitioning to renewable fuels by January 1, 2025:

- Status of renewable fuel use by percentage at the time of the report; and
- Activities under way for procurement of renewable fuels for all use by the microgrid by December 31, 2030.



**LOW VARIABILITY MICROGRID STANDBY CUSTOMER
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Does Low Variability Microgrid Standby Customer commit to converting to and exclusively utilizing renewable fuels, as reasonably feasible and practicable, by December 31, 2030, and the progress report described above by January 1, 2025?

Yes _____ No _____

D. Documentation Requirements

1. Initial Application for Eligibility

To be eligible at the time of application, Low Variability Microgrid Standby Customer must submit all of the following documentation with this application form:

- Either (i) independently verified, reputable third-party bench test data over a shorter time period that when extrapolated would meet the performance standards, or (ii) actual, real-time operating performance data from substantially similar equipment meeting Variability Performance Standards.
- Either (i) certification from CARB or (ii) independently verified, reputable third-party bench test data meeting Emissions Performance Standard 1.
- Manufacturer's credible documentation of the ability of the equipment to operate using one or more renewable fuels while meeting all applicable performance standards for Emissions Performance Standard 2.

2. Semiannual Certification

SDG&E will post recertification instructions and other information within its resiliency project engagement guide, located at www.sdge.com/resiliency. You may also contact your assigned Account Executive for guidance. Low Variability Microgrid Standby Customers are responsible for submitting third-party certification semiannually by January 31 for the period July-December and July 31 for the period January-June.

For demonstrating compliance with these performance standards, SDG&E accepts actual real-time operating performance data documenting that the Low Variability Microgrid Standby Customer's operation of the Microgrid continues to comply with the performance standards semiannually thereafter.

Failure to maintain semiannual certification of the performance standards shall result in immediate termination from the Contract Demand charge suspension.



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3. Renewable Fuels Transition Report

Low Variability Microgrid Standby Customer must demonstrate compliance by submitting the following information to SDG&E by January 1, 2025, on the progress to transitioning to renewable fuels:

- Status of renewable fuel use by percentage at the time of the report; and
- Activities under way for procurement of renewable fuels for all use by the microgrid by December 31, 2030.

SDG&E will post instructions and other information within its resiliency project engagement guide, located at www.sdge.com/resiliency. You may also contact your assigned Account Executive for guidance.

E. Demand Assurance Amount

Should the Low Variability Microgrid Standby Customer who is receiving the Contract Demand charge suspension suffer a generation failure, or cannot serve its load, it may rely on SDG&E’s system. In exchange for the ability to rely on the grid in these unique instances, the Low Variability Microgrid Standby Customer shall pay, directly to SDG&E, a Demand Assurance Amount for the service that SDG&E’s system provides during its generation failure. The Demand Assurance Amount is applicable to all Low Variability Microgrid Standby Customers, consistent with the following:

- For capacity used in any month that exceeds the reservation capacity, an excess demand charge shall be imposed at two times the tariffed Contract Demand charge (\$/kW) that would have applied in the absence of the waiver during the month that the Contract Demand was exceeded.
- SDG&E will set the Contract Demand amount at the maximum expected demand in excess of the demand regularly served by SDG&E based on the best available information. In determining the maximum expected demand, SDG&E will consider the documentation provided by the customer to satisfy the performance standards.
- Low Variability Microgrid Customers receiving the Contract Demand charge suspension must notify SDG&E at least five (5) business days in advance of any planned outage (e.g., maintenance) of the microgrid.

Does Low Variability Microgrid Standby Customer understand these conditions?

Yes _____ No _____



LOW VARIABILITY MICROGRID STANDBY CUSTOMER
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F. Agreement

Low Variability Microgrid Standby Customer agrees to the conditions set forth in this application to qualify and to continue to qualify for the Contract Demand charge suspension.

Agreed and accepted by:

Print Name: _____

Title: _____

Signature: _____

Date: _____

SAN DIEGO GAS & ELECTRIC COMPANY (FOR SDG&E USE)

Print Name: _____

Title: _____

Signature: _____

Date: _____