

PUBLIC UTILITIES COMMISSION  
505 Van Ness Avenue  
San Francisco CA 94102-3298



**Pacific Gas & Electric Company**  
**ELC (Corp ID 39)**  
**Status of Advice Letter 4605G/6476E**  
**As of May 31, 2022**

Subject: Clean-Up of Gas and Electric Tariffs

Division Assigned: Energy

Date Filed: 04-29-2022

Date to Calendar: 05-06-2022

Authorizing Documents: None

|                        |                   |
|------------------------|-------------------|
| <b>Disposition:</b>    | <b>Accepted</b>   |
| <b>Effective Date:</b> | <b>04-29-2022</b> |

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

[edtariffunit@cpuc.ca.gov](mailto:edtariffunit@cpuc.ca.gov)

AL Certificate Contact Information:

Kimberly Loo

(415)973-4587

[PGETariffs@pge.com](mailto:PGETariffs@pge.com)

**PUBLIC UTILITIES COMMISSION**  
505 Van Ness Avenue  
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)
- Effective Date of Filing
- Other Miscellaneous Information (e.g., Resolution, if applicable, etc.)

The Energy Division has made no changes to your copy of the Advice Letter Filing; please review your Advice Letter Filing with the information contained in the AL status certificate, and update your Advice Letter and tariff records accordingly.

All inquiries to the California Public Utilities Commission on the status of your Advice Letter Filing will be answered by Energy Division staff based on the information contained in the Energy Division's PAL database from which the AL status certificate is generated. If you have any questions on this matter please contact the:

Energy Division's Tariff Unit by e-mail to  
**[edtariffunit@cpuc.ca.gov](mailto:edtariffunit@cpuc.ca.gov)**



**Sidney Bob Dietz II**  
Director  
Regulatory Relations

Pacific Gas and Electric Company  
77 Beale St., Mail Code B13U  
P.O. Box 770000  
San Francisco, CA 94177

Fax: 415-973-3582

April 29, 2022

**Advice 4605-G/6576-E**

(Pacific Gas and Electric Company ID U 39 M)

Public Utilities Commission of the State of California

**Subject: Clean-Up of Gas and Electric Tariffs**

Pacific Gas and Electric Company (PG&E) hereby submits revisions to its gas and electric tariffs. The affected tariff sheets are listed on the enclosed Attachment 1.

**Purpose**

The purpose of this advice letter is to make minor revisions to various gas and electric tariffs in PG&E's tariff book to consolidate language from approved advice letters, make cosmetic and formatting changes, make minor syntax edits to improve readability and clarity, correct typographical errors, update emails and web addresses that are not up to date, and update language that is consistent with current practices. The revisions are either non-substantial editorial changes to the text of a tariff or revisions in compliance with specific requirements of a statute or Commission order. The submittal will not increase any current rate or charge, cause the withdrawal of service, or conflict with any rate schedule or rule.

This advice letter to rectify the identified issues is being submitted pursuant to Industry Rule 5.1 of General Order 96-B, that states that PG&E may submit a Tier 1 advice letter in compliance with specific requirements of a statute, or Commission order where the wording of the change follows directly from the statute or Commission order, or to make non-substantive editorial changes to the text of a tariff.

**Tariff Revisions**

A matrix describing all tariff revisions is included as Appendix A. The affected tariff sheets are listed on the enclosed Attachment 1. In addition, where tariffs have been revised, the redlines of the current tariffs are provided as Attachment 2.



**Attachments**

Appendix A – Clean-Up List of Tariff Modifications

Attachment 1 - Clean Tariffs

Attachment 2 - Redline Tariff Revisions



# ADVICE LETTER SUMMARY

## ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39 M)

Utility type:

- ELC       GAS       WATER  
 PLC       HEAT

Contact Person: Kimberly Loo

Phone #: (415)973-4587

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: KELM@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric      GAS = Gas      WATER = Water  
 PLC = Pipeline      HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 4605-G/6576-E

Tier Designation: 1

Subject of AL: Clean-Up of Gas and Electric Tariffs

Keywords (choose from CPUC listing): Compliance

AL Type:  Monthly  Quarterly  Annual  One-Time  Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #:

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested?  Yes  No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required?  Yes  No

Requested effective date: 4/29/22

No. of tariff sheets: 58

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: See Attachment 1

Service affected and changes proposed<sup>1</sup>: N/A

Pending advice letters that revise the same tariff sheets: N/A

<sup>1</sup>Discuss in AL if more space is needed.

**Protests and correspondence regarding this AL are to be sent via email and are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:**

California Public Utilities Commission  
Energy Division Tariff Unit Email:  
[EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)

Contact Name: Sidnev Bob Dietz II. c/o Megan Lawson  
Title: Director, Regulatory Relations  
Utility/Entity Name: Pacific Gas and Electric Company  
  
Telephone (xxx) xxx-xxxx:  
Facsimile (xxx) xxx-xxxx:  
Email: PGETariffs@pge.com

Contact Name:  
Title:  
Utility/Entity Name:  
  
Telephone (xxx) xxx-xxxx:  
Facsimile (xxx) xxx-xxxx:  
Email:

CPUC  
Energy Division Tariff Unit  
505 Van Ness Avenue  
San Francisco, CA 94102

Clear Form

## **Appendix A**

### Clean-Up List of Tariff Modifications

| #  | Tariff   | Location   | Modification/Additional Information   |
|----|--|------------|---|
| 1. | <b>Gas Rule No. 23-</b><br><i>Gas Aggregation Service for Core Transport Customers</i>                   | Sheet 6    | <ul style="list-style-type: none"> <li>In section C.3 Customer Complaints, the link for customers to submit complaints to the Commission is being updated to the newest version.</li> </ul>   |
|    |  | Sheet 17   | <ul style="list-style-type: none"> <li>Correcting an incorrect section reference.</li> </ul>  |
| 2. | <b>Electric Contracts and Deviations –</b><br><i>List of Contracts and Deviations</i>                    | Sheet 60   | <ul style="list-style-type: none"> <li>Reinserting advice letter number references that were previously approved in ALs 4154-G/5651-E and 4215-G/5761-E.</li> </ul>   |
| 3. | <b>Electric Form 79-1069-02-</b><br><i>Medium General Demand-Metered TOU Service</i>                     | Sheet 1    | <ul style="list-style-type: none"> <li>Correcting page number in the footer.</li> </ul>   |
| 4. | <b>Electric Form 79-1174-02D-</b><br><i>Rule 21 Generator Interconnection Application - Attachment D</i> | Sheets 4-5 | <ul style="list-style-type: none"> <li>On January 7, 2022, PG&amp;E submitted Tier 2 Advice 6286-E-B to make updates to the Form. It was approved on March 3, 2022 with an effective date of August 6, 2021.</li> <li>On January 11, 2022, PG&amp;E submitted Tier 2 Advice 6454-E to make updates to the Form. It was approved on March 14, 2022 with an effective date of February 22, 2022.</li> <li>On January 24, 2022, PG&amp;E submitted Tier 1 Advice 4558-G/6476-E to combine approved changes to the Form. This was made effective the day of submittal and later approved.</li> </ul> <p>This advice letter is combining these approved changes.</p> |
| 5. | <b>Electric Form 79-1174-02E-</b><br><i>Rule 21 Generator Interconnection Application - Attachment E</i> | Sheet 4    | <ul style="list-style-type: none"> <li>On January 7, 2022, PG&amp;E submitted Tier 2 Advice 6286-E-B to make updates to the Form. It was approved on March 3, 2022 with an effective date of August 6, 2021.</li> <li>On January 11, 2022, PG&amp;E submitted Tier 2 Advice 6454-E to make updates to the Form. It was approved on March 14, 2022 with an effective date of February 22, 2022.</li> </ul> <p>This advice letter is combining these approved changes.</p>  |
| 6. | <b>Electric Form 79-1174-02F-</b><br><i>Rule 21 Generator Interconnection Application - Attachment F</i> | Sheet 5    | <ul style="list-style-type: none"> <li>On January 7, 2022, PG&amp;E submitted Tier 2 Advice 6286-E-B to make updates to the Form. It was approved on March 3, 2022 with an effective date of August 6, 2021. <i>(continued on next page)</i></li> </ul>   |

| #   | Tariff  | Location | Modification/Additional Information  |
|-----|---|----------|--|
|     |   |          | <p>On January 11, 2022, PG&amp;E submitted Tier 2 Advice 6454-E to make updates to the Form. It was approved on March 14, 2022 with an effective date of February 22, 2022.</p> <p>This advice letter is combining these approved changes.</p>   |
| 7.  | <b>Electric Form 79-1174-02G-</b><br><i>Rule 21 Generator Interconnection Application - Attachment G</i>  | Sheet 4  | <ul style="list-style-type: none"> <li>On January 7, 2022, PG&amp;E submitted Tier 2 Advice 6286-E-B to make updates to the Form. It was approved on March 3, 2022 with an effective date of August 6, 2021.</li> </ul> <p>On January 11, 2022, PG&amp;E submitted Tier 2 Advice 6454-E to make updates to the Form. It was approved on March 14, 2022 with an effective date of February 22, 2022.</p> <p>This advice letter is combining these approved changes.</p> |
| 8.  | <b>Electric Form 79-1174-02H-</b><br><i>Rule 21 Generator Interconnection Application - Attachment H</i>  | Sheet 5  | <ul style="list-style-type: none"> <li>On January 7, 2022, PG&amp;E submitted Tier 2 Advice 6286-E-B to make updates to the Form. It was approved on March 3, 2022 with an effective date of August 6, 2021.</li> </ul> <p>On January 11, 2022, PG&amp;E submitted Tier 2 Advice 6454-E to make updates to the Form. It was approved on March 14, 2022 with an effective date of February 22, 2022.</p> <p>This advice letter is combining these approved changes.</p> |
| 9.  | <b>Electric Form 79-1193-</b><br><i>Agreement and Customer Authorization Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification</i> | Sheet 3  | <ul style="list-style-type: none"> <li>Correcting a calculation error for "(7) Total Energy Usage calculation to match Form 79-1193-02.</li> </ul>   |
| 10. | <b>Electric Form 79-978-02-</b><br><i>Interconnection Agreement for Net Energy Metering (NEM2) of Solar or Wind Electric Generating Facilities</i>  | Sheet 3  | <ul style="list-style-type: none"> <li>Correcting an incorrect section reference.</li> </ul>   |

| #   | Tariff   | Location    | Modification/Additional Information  |
|-----|--|-------------|--|
|     | <i>of 1,000 kW or Less, Other Than Facilities of 30 kW or Less</i>                             |             |  |
| 11. | <b>Electric Rate Schedule A-10-</b><br><i>Medium General Demand-Metered Service</i>            | Sheets 4-7  | <ul style="list-style-type: none"> <li>Removing the term “Meter” that was inadvertently included on the sheets.</li> </ul>   |
| 12. | <b>Electric Rate Schedule AG-</b><br><i>Time-of-Use Agricultural Power</i>                     | Sheets 4-5  | <ul style="list-style-type: none"> <li>Removing the term “Meter” that was inadvertently included on the sheets.</li> </ul>   |
|     |  | Sheet 9     | <ul style="list-style-type: none"> <li>Removing the NEMW reference, since this rate schedule is closed to customers.</li> </ul>  |
|     |  | Sheet 10    | <ul style="list-style-type: none"> <li>On February 26, 2021, PG&amp;E submitted Tier 1 Advice 6090-E-A, which increased each sheet by one sheet starting from Sheet 3 to the final sheet of AG. This advice letter was made effective on March 1, 2021.</li> <li>On August 31, 2020, PG&amp;E submitted Tier 2 Advice 4302-G/5932-E to make updates to Sheet 9. It was approved on October 18, 2021 with an effective date of May 6, 2021.</li> <li>This advice letter is combining these approved changes.</li> </ul> |
|     |  | Sheets 9-16 | <ul style="list-style-type: none"> <li>The subtopic numbering is being corrected.</li> </ul>   |
| 13. | <b>Electric Rate Schedule AG-F-</b><br><i>Flexible Off-Peak Time-Of-Use Agricultural Power</i> | Sheets 5-6  | <ul style="list-style-type: none"> <li>Removing the term “Meter” that was inadvertently included on the sheets.</li> </ul>   |
| 14. | <b>Electric Rate Schedule B-10-</b><br><i>Medium General Demand Metered Service</i>            | Sheets 3-4  | <ul style="list-style-type: none"> <li>Removing the term “Meter” that was inadvertently included on the sheets.</li> </ul>   |
| 15. | <b>Electric Rate Schedule B-19-</b><br><i>Medium General Demand-Metered TOU Service</i>        | Sheet 4     | <ul style="list-style-type: none"> <li>Correcting a typographical error.</li> </ul>  |

| #   | Tariff  | Location                   | Modification/Additional Information  |
|-----|---|----------------------------|--|
| 16. | <b>Electric Rate Schedule B-6-<br/>Small General Time-of-Use Service</b>                                    | Sheet 3                    | <ul style="list-style-type: none"> <li>Removing the term "Meter" that was inadvertently included on the sheets.</li> </ul>   |
| 17. | <b>Electric Rate Schedule E-20-<br/>Service to Customers with Maximum Demands of 1000 Kilowatts or More</b> | Sheets 4-7                 | <ul style="list-style-type: none"> <li>Removing the term "Meter" that was inadvertently included on the sheets.</li> </ul>   |
| 18. | <b>Electric Rate Schedule E-6-<br/>Residential Time-of-Use Service</b>                                      | Sheet 6                    | <ul style="list-style-type: none"> <li>On August 31, 2020, PG&amp;E submitted Tier 2 Advice 4302-G/5932-E to make updates to Sheet 6. It was approved on October 18, 2021 with an effective date of May 6, 2021.</li> <li>On December 30, 2020, PG&amp;E submitted Tier 1 Advice 6004-E-C to make updates to Sheet 6. This advice letter was made effective on January 1, 2021.</li> <li>On December 30, 2021, PG&amp;E submitted Tier 1 Advice 6408-E-B to show a location change on Sheet 6. This advice letter was made effective on January 1, 2022.</li> <li>This advice letter is combining these approved changes.</li> </ul> |
| 19. | <b>Electric Rate Schedule E-TOU-C-<br/>Residential Time-of-Use (Peak Pricing 4-9 p.m. Every Day)</b>        | Sheet 6                    | <ul style="list-style-type: none"> <li>On August 31, 2020, PG&amp;E submitted Tier 2 Advice 4302-G/5932-E to make updates to Sheet 6. It was approved on October 18, 2021 with an effective date of May 6, 2021.</li> <li>On June 18, 2021, PG&amp;E submitted Tier 1 Advice 6230-E to make updates to Sheet 6. This advice letter was made effective on October 1, 2021.</li> <li>On January 13, 2022, PG&amp;E submitted Tier 1 Advice 6459-E to make updates to Sheet 6. This advice letter was made effective on January 13, 2022.</li> <li>This advice letter is combining these approved changes.</li> </ul>                   |
| 20. | <b>Electric Rate Schedule NEM2-<br/>Net Energy Metering Service</b>   | Sheets 13 & 14<br>Sheet 25 | <ul style="list-style-type: none"> <li>Updating form references to current and effective form numbers.</li> <li>Correcting capitalization error.</li> </ul>  |
| 21. | <b>Electric Rate Schedule RES-BCT -<br/>Schedule For Local</b>  | Sheet 11                   | <ul style="list-style-type: none"> <li>Updating form references to current and effective form numbers. <i>(continued on next page)</i></li> </ul>  |

| #   | Tariff   | Location | Modification/Additional Information   |
|-----|--|----------|---|
|     | <i>Government Renewable Energy Self-Generation Bill Credit Transfer</i>            |          | <ul style="list-style-type: none"> <li>Removing other references to retired forms.</li> </ul> |
| 22. | <b>Electric Rule 14-</b><br><i>Shortage of Supply and Interruption of Delivery</i> | Sheet 3  | <ul style="list-style-type: none"> <li>Correcting a typographical error.</li> </ul>           |
| 23. | <b>Electric Rule No. 19-</b><br><i>Medical Baseline Quantities</i>                 | Sheet 3  | <ul style="list-style-type: none"> <li>Removing duplicate paragraph.</li> </ul>               |
| 24. | <b>Electric Rule No. 21-</b><br><i>Generating Facility Interconnections</i>        | Sheet 30 | <ul style="list-style-type: none"> <li>Removing two duplicate paragraphs.</li> </ul>          |

| Cal P.U.C.<br>Sheet No. | Title of Sheet   | Cancelling<br>Cal P.U.C.<br>Sheet No. |
|-------------------------|--|---------------------------------------|
| 37864-G                 | GAS RULE NO. 23<br>GAS AGGREGATION SERVICE FOR CORE TRANSPORT<br>CUSTOMERS<br>Sheet 6  | 34098-G                               |
| 37865-G                 | GAS RULE NO. 23<br>GAS AGGREGATION SERVICE FOR CORE TRANSPORT<br>CUSTOMERS<br>Sheet 17 | 34656-G                               |
| 37866-G                 | GAS TABLE OF CONTENTS<br>Sheet 1   | 37634-G                               |
| 37867-G                 | GAS TABLE OF CONTENTS<br>Sheet 7   | 37631-G                               |



**GAS RULE NO. 23**

Sheet 6

**GAS AGGREGATION SERVICE FOR CORE TRANSPORT CUSTOMERS**

C. CUSTOMER PROTECTION (Cont'd)

2. VERIFICATION OF ENROLLMENT (Cont'd)

- h. A core transport agent shall keep a record of the confirmation of a change pursuant to Sections C.2.c, C.2.d, C.2.e, or C.2.f for three (3) years from the date of that confirmation, and shall make those records available, upon request, to the customer and to the CPUC in the course of a CPUC investigation of a customer complaint or an investigation pursuant to Public Utilities Code Section 983(c).
- i. Public agencies are exempt from this rule adopted pursuant to Public Utilities Code Section 985(c) to the extent they are serving customers within their jurisdiction.
- j. Notwithstanding Sections C.2.e and C.2.f above, the CPUC may require third-party verification for all residential changes to CTAs if it finds that the application of Sections C.2.e and C.2.f results in the unauthorized changing of a customer's gas service provider.
- k. PG&E is exempt from this rule for customers that default to the natural gas service of PG&E.
- l. Consistent with Public Utilities Code Section 985(c), CTAs and PG&E may charge for a change in gas commodity service provider in the event of early termination of service, provided that any fee or penalty charged by the supplier associated with the early termination of service, shall be disclosed in the contract of the CTA or in the applicable tariff of PG&E.

3. Customer Complaints

Pursuant to Decision (D.) 14-08-043, D.18-02-002, and Public Utilities Code Section 983, the California Public Utilities Commission (CPUC) shall accept, compile and attempt to informally resolve consumer complaints regarding CTAs; <https://www.cpuc.ca.gov/consumer-support/file-a-complaint/utility-complaint>.

(T)

D. CUSTOMER SIGN-UP PROCESS

- 1. The CTA shall transmit notice of Customer Authorizations to PG&E for enrollment into the CTA's aggregation group or for switching a Customer from one CTA to another CTA using the electronic format acceptable to PG&E, a Direct Access Service Request (DASR).

(Continued)



**GAS RULE NO. 23**

Sheet 17

**GAS AGGREGATION SERVICE FOR CORE TRANSPORT CUSTOMERS**

F. ESTABLISHMENT OF CREDIT (Cont'd.)

4. REDUCING CREDITWORTHINESS REQUIREMENTS (Cont'd.)

b. CONSOLIDATED PG&E BILLING COLLATERAL

For a CTA that has reduced creditworthiness requirements by utilizing the full eighty (80) percent guarantee specified in F.4.a. above, the CTA can further reduce CWR1 if they also utilize Consolidated PG&E Billing specified in G.1.c. below.

(T)

If this is the case, then:

CWR1 = (Percent of Load not billed utilizing Consolidated PG&E Billing x 18 days x DCQ x Core WACOG x 150 percent). Note that this can reduce CWR1 to zero if all of the CTA's customers are utilizing PG&E Consolidated Billing. The CTA must adhere to all of the following conditions in order to have their Rule 23 creditworthiness requirement be calculated in this manner.

- 1) Continue to meet the eighty (80) percent condition above;
- 2) Have zero Schedule G-BAL negative CTA cashout charges within the last year (requires the CTA to have at least twelve months of history with PG&E); and
- 3) Execute Attachment L of the CTA Agreement including the provision that allows PG&E to withhold payments if the CTA does not meet all of these conditions.

If all conditions are not met, PG&E has the authority to stop paying the CTA for payments received from customers and/or immediately terminate the CTA Agreement. If PG&E has not terminated the CTA Agreement and the conditions that led to stopping payment to CTA have been satisfied, including payment of all Schedule G-ESP (Consolidated PG&E Billing Services to Core Transport Agents) consolidated billing charges and fees, PG&E will pay the CTA for all withheld payments.

(Continued)





**GAS TABLE OF CONTENTS**

Sheet 7

| RULE         | TITLE OF SHEET  | CAL P.U.C.<br>SHEET NO.  |
|--------------|---|--|
| <b>Rules</b> |   |  |
| Rule 16      | Gas Service Extensions .....  | 21546,18816,34880,17161,18817,18818,18819,18820,18821,<br>.....18822,29273,18824,18825,17737,18826,18827-G   |
| Rule 17      | Meter Tests and Adjustment of Bills for Meter Error.....  | 14450,28656,28764,28770,28771,<br>.....28772,28773,28774-G   |
| Rule 17.1    | Adjustment of Bills for Billing Error .....   | 22936,28657,29274-G  |
| Rule 17.2    | Adjustment of Bills for Unauthorized Use.....   | 22937,14460,14461-G  |
| Rule 19      | Medical Baseline Quantities.....  | 37143,37144,37145-G  |
| Rule 19.1    | California Alternate Rates for Energy for Individual Customers and Submetered Tenants of<br>Master-Metered Customers.....   | 34521,34220,30445,28210-G  |
| Rule 19.2    | California Alternate Rates for Energy for Nonprofit Group-Living Facilities.....  | 32051,34221,17035,31217,34522-G  |
| Rule 19.3    | California Alternate Rates for Energy for Qualified Agricultural Employee Housing Facilities .....  | 32053,34222,31219,34523-G  |
| Rule 19.4    | California Alternate Rates for Energy for Qualified Food Bank Facilities .....  | 35059-G  |
| Rule 21      | Transportation of Gas .....   | 27591,36918,36919,31872,32557,32558,32559,32560,<br>.....32561,32562,32563,32564,32565,31955,29231,33640,<br>.....31957,35069,35070,35071,35072, 35073,35074,35075,<br>.....35076, 35077,35078,35079,35080,35081,35082,35083,35084-G             |
| Rule 23      | Gas Aggregation Service for Core Transport Customers.....   | 34093,34094,34095,34096,<br>.....34097, <b>37864</b> ,34099,34100,34101,34102,34103,34104,34105,34106,34107, (T)<br>.....34655, <b>37865</b> ,34110,34111,34657,34658,34659,34660,34661,34662,37328, (T)<br>.....34664,34665,34666,34667,34123-G |
| Rule 25      | Gas Services-Customer Creditworthiness and Payment Terms .....  | 28816,28817,28818,<br>.....28819,28820,28821,28822,28823,28824,28825,28826,28827,28828-G   |
| Rule 26      | Standards of Conduct and Procedures Related to Transactions with Intracompany Departments,<br>Reports of Negotiated Transactions, and Complaint Procedures. 29688,29689,29690,31933-G |  |
| Rule 27      | Privacy and Security Protection for Energy Usage.....   | 30095,30096,30097,30098,30099<br>.....30100,30101,30102,30103,30104,30105,30106,30107,30108,30109,30110,30111-G  |
| Rule 27.1    | Access to Energy Usage and Usage-Related Data While Protecting Privacy of Personal Data ....  | 31387,31388,31389,31390,31391-G  |
| Rule 28      | Mobilehome Park Utility Upgrade Program .....   | 36153,36261,36155,36156,<br>.....36157, 37278,36159,36160-G  |

**Maps, Contracts and Deviations**

SERVICE AREA MAPS:

|                            |         |
|----------------------------|---------|
| Gas Service Area Map ..... | 31641-G |
|----------------------------|---------|

LIST OF CONTRACTS AND DEVIATIONS:

|   |
|---|
| .....20211,13247,13248,28466,17112,22437,29938,31542,13254,14426,13808,35193,<br>.....20390,16287,29333,29053,29334,14428,13263,14365,32879,35654,16264,13267-G |
|---|

(Continued)

Advice 4605-G  
Decision

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted  
Effective  
Resolution

April 29, 2022  
April 29, 2022

| Cal P.U.C.<br>Sheet No. | Title of Sheet  | Cancelling<br>Cal P.U.C.<br>Sheet No. |
|-------------------------|---|---------------------------------------|
| 52944-E                 | LIST OF CONTRACTS AND DEVIATIONS<br>(Continued)<br>Sheet 60   | 49261-E                               |
| 52945-E                 | Electric Sample Form No. 79-1069-02<br>Generating Facility Interconnection Agreement (Multiple Tariff<br>NEM2MT)<br>Sheet 1   | 51228-E                               |
| 52946-E                 | Electric Sample Form No. 79-1174-02D<br>Rule 21 Generator Interconnection Application - Attachment D<br>Sheet 1   | 52489-E                               |
| 52947-E                 | Electric Sample Form No. 79-1174-02E<br>Rule 21 Generator Interconnection Application - Attachment E<br>Sheet 1   | 52490-E                               |
| 52948-E                 | Electric Sample Form No. 79-1174-02F<br>Rule 21 Generator Interconnection Application - Attachment F<br>Sheet 1   | 52491-E                               |
| 52949-E                 | Electric Sample Form No. 79-1174-02G<br>Rule 21 Generator Interconnection Application - Attachment G<br>Sheet 1   | 52492-E                               |
| 52950-E                 | Electric Sample Form No. 79-1174-02H<br>Rule 21 Generator Interconnection Application - Attachment H<br>Sheet 1   | 52493-E                               |
| 52951-E                 | Electric Sample Form No. 79-1193<br>Agreement and Customer Authorization Net Energy Metering (NEM)<br>Interconnection For Solar And/Or Wind Electric Generating Facilities Of<br>30 Kilowatts Or Less Paired<br>with Energy Storage of 10 Kilowatts Or Less or Energy Storage with<br>Power Control System Certification<br>Sheet 1 | 52522-E                               |
| 52952-E                 | Electric Sample Form No. 79-978-02<br>Interconnection Agreement for Net Energy Metering (NEM2) of Solar or<br>Wind Electric Generating Facilities of 1,000 Kilowatts or Less, Other<br>than Facilities of 30 Kilowatts or Less<br>Sheet 1   | 51238-E                               |
| 52953-E                 | ELECTRIC SCHEDULE A-10<br>MEDIUM GENERAL DEMAND-METERED SERVICE<br>Sheet 4  | 52574-E                               |
| 52954-E                 | ELECTRIC SCHEDULE A-10<br>MEDIUM GENERAL DEMAND-METERED SERVICE<br>Sheet 5  | 52575-E                               |
| 52955-E                 | ELECTRIC SCHEDULE A-10<br>MEDIUM GENERAL DEMAND-METERED SERVICE<br>Sheet 6  | 52576-E                               |

| Cal P.U.C.<br>Sheet No. | Title of Sheet  | Cancelling<br>Cal P.U.C.<br>Sheet No. |
|-------------------------|---|---------------------------------------|
| 52956-E                 | ELECTRIC SCHEDULE A-10<br>MEDIUM GENERAL DEMAND-METERED SERVICE<br>Sheet 7            | 52577-E                               |
| 52957-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 4                     | 52586-E                               |
| 52958-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 5                     | 52587-E                               |
| 52959-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 9                     | 48919-E                               |
| 52960-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 10                    | 48920-E                               |
| 52961-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 11                    | 52589-E                               |
| 52962-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 12                    | 48922-E                               |
| 52963-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 13                    | 48923-E                               |
| 52964-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 14                    | 51526-E                               |
| 52965-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 15                    | 51527-E                               |
| 52966-E                 | ELECTRIC SCHEDULE AG<br>TIME-OF-USE AGRICULTURAL POWER<br>Sheet 16                    | 51528-E                               |
| 52967-E                 | ELECTRIC SCHEDULE AG-F<br>FLEXIBLE OFF-PEAK TIME-OF-USE AGRICULTURAL POWER<br>Sheet 5 | 52605-E                               |
| 52968-E                 | ELECTRIC SCHEDULE AG-F<br>FLEXIBLE OFF-PEAK TIME-OF-USE AGRICULTURAL POWER<br>Sheet 6 | 52606-E                               |
| 52969-E                 | ELECTRIC SCHEDULE B-10<br>MEDIUM GENERAL DEMAND-METERED SERVICE<br>Sheet 3            | 52621-E                               |

| Cal P.U.C.<br>Sheet No. | Title of Sheet  | Cancelling<br>Cal P.U.C.<br>Sheet No. |
|-------------------------|---|---------------------------------------|
| 52970-E                 | ELECTRIC SCHEDULE B-10<br>MEDIUM GENERAL DEMAND-METERED SERVICE<br>Sheet 4                                  | 52622-E                               |
| 52971-E                 | ELECTRIC SCHEDULE B-19<br>MEDIUM GENERAL DEMAND-METERED TOU SERVICE<br>Sheet 4                              | 52624-E                               |
| 52972-E                 | ELECTRIC SCHEDULE B-6<br>SMALL GENERAL TIME-OF-USE SERVICE<br>Sheet 3                                       | 52644-E                               |
| 52973-E                 | ELECTRIC SCHEDULE E-20<br>SERVICE TO CUSTOMERS WITH MAXIMUM<br>DEMANDS of 1000 KILOWATTS or MORE<br>Sheet 4 | 52670-E                               |
| 52974-E                 | ELECTRIC SCHEDULE E-20<br>SERVICE TO CUSTOMERS WITH MAXIMUM<br>DEMANDS of 1000 KILOWATTS or MORE<br>Sheet 5 | 52671-E                               |
| 52975-E                 | ELECTRIC SCHEDULE E-20<br>SERVICE TO CUSTOMERS WITH MAXIMUM<br>DEMANDS of 1000 KILOWATTS or MORE<br>Sheet 6 | 52672-E                               |
| 52976-E                 | ELECTRIC SCHEDULE E-20<br>SERVICE TO CUSTOMERS WITH MAXIMUM<br>DEMANDS of 1000 KILOWATTS or MORE<br>Sheet 7 | 52673-E                               |
| 52977-E                 | ELECTRIC SCHEDULE E-6<br>RESIDENTIAL TIME-OF-USE SERVICE<br>Sheet 6   | 52390-E                               |
| 52978-E                 | ELECTRIC SCHEDULE E-TOU-C<br>RESIDENTIAL TIME-OF-USE (PEAK PRICING 4 - 9 p.m. EVERY<br>DAY)<br>Sheet 6      | 52499-E                               |
| 52979-E                 | ELECTRIC SCHEDULE NEM2<br>NET ENERGY METERING SERVICE<br>Sheet 13   | 45725-E                               |
| 52980-E                 | ELECTRIC SCHEDULE NEM2<br>NET ENERGY METERING SERVICE<br>Sheet 14   | 47360-E                               |
| 52981-E                 | ELECTRIC SCHEDULE NEM2<br>NET ENERGY METERING SERVICE<br>Sheet 25   | 37819-E                               |

| Cal P.U.C.<br>Sheet No. | Title of Sheet  | Cancelling<br>Cal P.U.C.<br>Sheet No. |
|-------------------------|---|---------------------------------------|
| 52982-E                 | ELECTRIC RATE SCHEDULE RES-BCT<br>SCHEDULE FOR LOCAL GOVERNMENT<br>RENEWABLE ENERGY SELF-GENERATION BILL CREDIT<br>TRANSFER<br>Sheet 11 | 52178-E                               |
| 52983-E                 | ELECTRIC RULE NO. 14<br>SHORTAGE OF SUPPLY AND INTERRUPTION OF DELIVERY<br>Sheet 3  | 35394-E                               |
| 52984-E                 | ELECTRIC RULE NO. 19<br>MEDICAL BASELINE QUANTITIES<br>Sheet 3  | 49740-E                               |
| 52985-E                 | ELECTRIC RULE NO. 21<br>GENERATING FACILITY INTERCONNECTIONS<br>Sheet 30  | 42327-E                               |
| 52986-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 1   | 52892-E                               |
| 52987-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 2   | 52763-E                               |
| 52988-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 3   | 52764-E                               |
| 52989-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 4   | 52765-E                               |
| 52990-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 6   | 52767-E                               |
| 52991-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 7   | 52768-E                               |
| 52992-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 19  | 51557-E                               |
| 52993-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 20  | 51987-E*                              |
| 52994-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 21  | 52872-E                               |
| 52995-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 25  | 52495-E                               |
| 52996-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 28  | 52291-E                               |
| 52997-E                 | ELECTRIC TABLE OF CONTENTS<br>Sheet 29  | 52532-E                               |



**LIST OF CONTRACTS AND DEVIATIONS**  
(Continued)

Sheet 60

| Name and Location of Customer<br><u>PG&amp;E Installation Reference No.</u>                                    | Type or Class of Service      | Execution and Expiration Dates | Commission Authorization Number and Date  | Most Comparable Regular Tariff |  |
|--|-------------------------------|--------------------------------|---|--------------------------------|--|
|  |                               |                                |   | Schedule or Rule No.           | Contract Difference  |
| <u>CORPORATE CENTER</u>  |                               |                                |   |                                |  |
| <u>Federal Agencies</u>  |                               |                                |   |                                |  |
| Dept. of Transportation<br>Federal Aviation Admin.   | Coml                          | 3-12-79<br>5 Years*1           | ---   | Rule 15                        | Cost of Ownership Charge   |
| General Services Administration  | Res/Coml/Ind                  | 12-10-14<br>10 Years           | G.O.96-B<br>Section 8.2.3   | ---                            | Areawide Agreement   |
| Dept. of Energy<br>DOE Laboratories and Western Area Power Administration                                      | Coml/Ind                      | 3-17-99<br>10 Years            | G.O.96-A,X.B.   | ---                            | Power Delivery Service   |
| <u>State Agencies</u>  |                               |                                |   |                                |  |
| State of California<br>Dept. of Transportation   | Street and traffic operations | 4-24-00                        | G.O. 96-A,X.B   | LS-3, TC-1                     | Applicability Deviation and Addendum   |
| California High-Speed Rail Authority   | Rail Operation                | 04-25-14                       | Ref. Advice Letter 3484-G/4443-E, 3484-G-A/4443-E-A, 3484-G-B/4443-E-B, 3794-G/4986-E, 4154-G/5651-E, And 4215-G/5761-E | Rules 15 and 16                | Facility Relocation and Disconnection Procedures   |
| California High-Speed Rail Authority (HSR 10-10, HSR14-37 and HSR 16-56)                                       | Rail Operation                | Between 12-12-12 to 01-09-17   | Ref. Advice Letter 5046-E And 6125-E  | Rule 15 and 16                 | Special State Contract and Payment Process   |
| U.S. Armed Forces  | General Service               | 11-1-15                        | G.O. 96-B Section 8.2.3<br>Ref. Advice Letter 4717-E  | Form 79-978                    | Deviations in Customer Generation Agreement for the U.S. Armed Forces to Implement SB 83 (2015)              |
| California Department of Corrections and Rehabilitation  | General Service               | 10-16-15                       | G.O. 96-B Section 8.2.3<br>Ref. Advice Letter 4724-E, 5545-E-A  | Forms 79-978 and 79-992        | Deviations in Customer Generation Agreements for the California Department of Corrections and Rehabilitation |
| <u>Supplemental Power</u>  |                               |                                |   |                                |  |
| N62474-67-0101<br>U.S. Navy: Vallejo, Stockton, Dixon, Lemoore and Moffett Field                               | Supplemental                  | 10-1-66<br>9-30-76             | G.O.96-A,X.B.<br>11-28-67   | ---                            | Special Rate   |
| DWR-855503<br>State of California<br>Dept. of Water Resources<br>State Water Project                           | Trans. & Exchange             | 11-18-66                       | G.O.96-A,X.B.<br>12-18-68   | ---                            | Special Rate Transmission, Exchange and Substation Service   |
| <u>Developers/Subdividers</u>  |                               |                                |   |                                |  |
| Various Developers, Lot-sale Subdivisions:<br>24 Cash Advances<br>35 Performance Bonds<br>53 Letters of Credit | Domestic Service              | Various                        | Res. E-1316<br>3-21-72  | Rule 15                        | Annual Charge for Excess Facilities  |

(T)  
(T)

\*1 to \*4 See last page of Electric Contracts and Deviations Section for explanation of footnotes.

(Continued)

Advice Decision 6576-E

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted Effective Resolution

April 29, 2022  
April 29, 2022



# GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT )

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This *Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)* (Agreement) is entered into by and between \_\_\_\_\_ (Producer), and Pacific Gas and Electric Company (PG&E) a California Corporation. Producer and PG&E are sometimes also referred to in this Agreement jointly as “Parties” or individually as “Party.” In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

## 1. SCOPE AND PURPOSE

This Agreement provides for Producer to interconnect and operate a Generating Facility in parallel with PG&E’s Electric System to serve the electrical loads at the location identified in Section 2.4 (or for the qualifying energy where permitted under Section 218 of the California Public Utilities Code (PUC). The Generating Facility must be a combination of generators, but must include at least one NEM2 “Eligible customer-generator.” (as defined in PG&E’s Schedule NEM2). “Eligible customer-generator” may also include other eligible customer-generators such as NEM2 Renewable Electrical Generation Facility(ies), Renewable Electrical Generation Facility(ies) (as defined in PG&E’s Schedule NEM) or Eligible Fuel Cell Electrical Generating Facility(ies) (as defined in PG&E’s Schedule NEMFC), as allowed under Special Condition 4 of Schedule NEM2.

- 1.1. This Agreement provides for Producer to operate the Eligible Generator(s) pursuant to the provisions of Section 2827.1 et seq. of the PU Code and the applicable PG&E tariffs for net energy metering. This Agreement also provides for Producer to operate its Non-Eligible Generator(s). This Agreement does not provide for retail electrical service by PG&E to Producer. Such arrangements must be made separately between PG&E and Producer.
- 1.2. This Agreement does not address Producer’s account billing and payment for energy consumption. For the Generating Facility as specified in Section 2 of this Agreement, please refer to the applicable PG&E net-energy-metered (NEM and/or NEM2) tariff schedules for billing and payment protocol.

## 2. SUMMARY AND DESCRIPTION OF PRODUCER’S GENERATING FACILITY

- 2.1 A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Producer’s Generating Facility and loads are interconnected with PG&E’s Electric System, are attached to and made a part of this Agreement. (Supplied by Producer as Appendix A).



# GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

2.2 Generating Facility identification number: \_\_\_\_\_ (Assigned by PG&E).

2.3 Producer's electric service agreement ID number: \_\_\_\_\_ (Assigned by PG&E).

2.4 Name and address used by PG&E to locate the electric service account used to interconnect the Generating Facility with PG&E's Electric System:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/Zip Code: \_\_\_\_\_

2.5 The Gross Nameplate Rating of the Generating Facility is:

2.5.1 Eligible Generator(s):

|   |   |
|---|---|
| biomass _____ kW                        | digester gas _____ kW   |
| solar thermal _____ kW                  | municipal solid waste _____ kW  |
| photovoltaic _____ kW                   | landfill gas _____ kW   |
| wind _____ kW                           | ocean wave _____ kW   |
| geothermal _____ kW                     | ocean thermal _____ kW  |
| fuel cell _____ kW                      | tidal current _____ kW  |
| small hydroelectric generation _____ kW | Storage/Batteries (NEM eligible only)<br>_____ amp hours<br>_____ inverter kW |

2.5.2 Non-Eligible Generator(s): \_\_\_\_\_ kW

2.5.3 **Total Gross** Nameplate Rating of the Generating Facility: \_\_\_\_\_ kW

2.6 The Net Nameplate Rating of the Generating Facility is:



# GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

## 2.6.1 Eligible Renewable Electrical Generation Facility Generator(s):

|   |   |
|---|---|
| biomass _____ kW                        | digester gas _____ kW   |
| solar thermal _____ kW                  | municipal solid waste _____ kW  |
| photovoltaic _____ kW                   | landfill gas _____ kW   |
| wind _____ kW                           | ocean wave _____ kW   |
| geothermal _____ kW                     | ocean thermal _____ kW  |
| fuel cell _____ kW                      | tidal current _____ kW  |
| small hydroelectric generation _____ kW | Storage/Batteries (NEM eligible only)<br>_____ amp hours<br>_____ inverter kW |

2.6.2 Non-Eligible Generator(s): \_\_\_\_\_ kW

2.6.3 **Total Net** Nameplate Rating of the Generating Facility: \_\_\_\_\_ kW

2.7 The maximum level of power that may be exported by the Generating Facility to PG&E's Electric System is expected to be:

2.7.1 Eligible Generator(s):

|   |   |
|---|---|
| biomass _____ kW                        | digester gas _____ kW   |
| solar thermal _____ kW                  | municipal solid waste _____ kW  |
| photovoltaic _____ kW                   | landfill gas _____ kW   |
| wind _____ kW                           | ocean wave _____ kW   |
| geothermal _____ kW                     | ocean thermal _____ kW  |
| fuel cell _____ kW                      | tidal current _____ kW  |
| small hydroelectric generation _____ kW | Storage/Batteries (NEM eligible only)<br>_____ amp hours<br>_____ inverter kW |

2.7.2 Non-Eligible Generator(s): \_\_\_\_\_ kW



GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

2.7.3 Total maximum level of power that may be exported by the Generating Facility: \_\_\_\_\_ kW

2.8 the purpose of securing the Competition Transition Charge exemption available under Section 372 of the California Public Utilities Code (PUC), Producer hereby declares that the portion of the Generating Facility that is generating in a combined heat and power mode
[ ] does / [ ] does not meet the requirements for Cogeneration as such term is used in Section 216.6 of the California Public Utilities Code.

2.9 The Generating Facility's expected date of Initial Operation is \_\_\_\_\_. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.10 For the purpose of securing certain tariff charge exemptions available under the PU Code, Producer hereby declares the following for each Generator technology of the Generating Facility:

Requirements for Distributed Energy Resource Generation as such term is used in Section 353.1 of the PU Code.

Table with 4 columns: Technology, are met, are not met, and checkboxes. Rows include biomass, solar thermal, photovoltaic, wind, geothermal, fuel cell, small hydroelectric generation, digester gas, municipal solid waste, landfill gas, ocean wave, ocean thermal, tidal current, biogas digester (under NEMBIO), and fuel cell (under NEMFC) other technology.

2.11 Customer-Generator's otherwise-applicable-rate schedule as of the execution of this Agreement is: \_\_\_\_\_



## GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

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### 3. DOCUMENTS INCLUDED; DEFINED TERMS

- 3.1 This Agreement includes the following exhibits which are specifically incorporated herein and made a part of this Agreement.
- Appendix A - Description of Generating Facility and Single-Line Diagram (Supplied by Producer).
  - Appendix B - Web-site references to Rules 2 and 21 and other selected rules and tariffs of PG&E (Supplied by PG&E).
  - Appendix C - A Copy of *PG&E's Agreement for Installation or Allocation of Special Facilities for Parallel Operation of Nonutility-Owned Generation and/or Electrical Standby Service (Form 79-280)* (Special Facility Agreement), if applicable, (Formed by the Parties).
  - Appendix D - Producer's warranty that the Generating Facility meets the requirements for a Cogeneration facility pursuant to Section 216.6 of the PU Code (when applicable).
  - Appendix E - Producer's warranty that the Generating Facility meets the requirements for Distributed Energy Resources Generation as defined in Section 353.1 of the PU Code (when applicable).
  - Appendix F - NEM2 Load Aggregation Customer-Generator Declaration Warranting NEM2 Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel
  - Appendix G - Producer's warranty that it meets the requirements for an Eligible Biogas Digester Electrical Generating Facility, (applicable Generator(s) only) as defined in Section 2827.9 of the PU Code (when applicable).
  - Appendix H - Schedule NEM and/or NEM2 Customer-Generator Warranty that it Meets the Requirements for an Eligible Customer-Generator and is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2827.1 of the California Public Utilities Code.
  - Appendix I -Operating Requirements for Energy Storage Device(s) (when applicable).
  - Appendix J - NEMFC Customer Agreement Starting January 1, 2017 Until California Air Resources Board Emission Standard is Established.
- 3.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E's Rule 21 Section C.

## **GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)**

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### **4. TERM AND TERMINATION**

- 4.1 This Agreement shall become effective as of the last date entered in Section 16, below. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:
- (a) The Parties agree in writing to terminate the Agreement, or
  - (b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service account through which Producer's Generating Facility is interconnected to PG&E's Electric System is closed or terminated, or
  - (c) At 12:01 A.M. on the 61<sup>st</sup> day after Producer or PG&E provides written Notice pursuant to Section 9 below to the other Party of Producer's or PG&E's intent to terminate this Agreement.
- 4.2 Producer may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for any reason. PG&E may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for one or more of the following reasons:
- (a) A change in applicable rules, tariffs, and regulations, as approved or directed by the California Public Utilities Commission "Commission," or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects PG&E's ability or obligation to perform PG&E's duties under this Agreement; or,
  - (b) Unless otherwise agreed to in writing by the Parties, Producer fails to take all corrective actions specified in PG&E's Notice that Producer's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,
  - (c) Producer fails to interconnect and operate the Generating Facility per the terms of this Agreement prior to 120 days after the date set forth in Section 2.9, above, as the Generating Facility's expected date of Initial Operation; or,
  - (d) Producer abandons the Generating Facility. PG&E shall deem the Generating Facility to be abandoned if PG&E determines, in its reasonable opinion, the Generating Facility is non-operational and Producer does not provide a substantive response to PG&E Notice of its intent to terminate this Agreement as a result of Producer's apparent abandonment of the Generating Facility affirming Producer's intent and ability to continue to operate the Generating Facility.
  - (e) Producer makes a change to the physical configuration of the Generating Facility, as declared in Section 2 and Appendix A of this Agreement.



## GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

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- 4.3 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.
- 4.4 Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

### 5. GENERATING FACILITY AND OPERATING REQUIREMENTS

- 5.1 Except for that energy delivered to PG&E's Electric System, electric energy produced by Producer's Generating Facility shall be used solely to serve electrical loads connected to the electric service account that PG&E uses to interconnect Producer's Generating Facility (or, where permitted under Section 218 of the PUC, the electric loads of an on-site or neighboring party lawfully connected to Producer's Generating Facility through Producer's circuits). Producer shall not use the Generating Facility to serve electrical loads that will cause Producer to be considered an "electrical corporation" as such term is used in Section 218 of the California Public Utilities Code.
- 5.2 Unless otherwise agreed upon in writing by the Parties, this Agreement does not provide for, nor otherwise require PG&E to purchase, transmit, distribute, or store the electrical energy produced by Producer's Generating Facility.
- 5.3 Producer is responsible for operating the Generating Facility in compliance with all of PG&E's tariffs, including but not limited to PG&E's Rule 21 and applicable NEM-2 tariff schedules, and applicable safety and performance standards established by the National Electric Code, Institute of Electrical and Electronic Engineers, accredited testing laboratories such as Underwriters Laboratories, rules of the Commission regarding safety and reliability, and any other regulations and laws governing the Interconnection of the Generating Facility.
- 5.4 Producer shall: (a) maintain the Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Section 5.3, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and Interconnection Facilities. Producer shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Producer's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Producer's Generating Facility.
- 5.5 Producer shall not commence parallel operation of the Generating Facility until PG&E has provided express written approval. Such approval shall normally be provided per the timelines established by the applicable PUC 2827 section, or by Rule 21. Such approval will be provided after PG&E's receipt of: (1) a completed Generating Facility Interconnection Application (Form 79-1174-02),



## GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

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including all supporting documents and payments as described in the Application; (2) any required NEM supplemental application forms; (3) a signed and completed Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT) (Form 79-1069-02); (4) a copy of the Producer's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility; and (5) submission of all applicable payments for reviews, studies, Interconnection Facilities, and Electric System Modifications. Such approval will not be unreasonably withheld. PG&E shall have the right to have representatives present at the Commissioning Test as defined in Rule 21. Producer shall notify PG&E at least five (5) business days prior to the initial testing.

- 5.6 In no event shall the delivery of the maximum electric power to PG&E's Electric System exceed the amount or other limitations specified in Section 2 and Appendix A of this Agreement. If Producer does not regulate its Generating Facility in compliance with the limitations set forth in this Agreement, PG&E may require Producer to disconnect its Generating Facility from PG&E's Electric System until Producer demonstrates to PG&E's reasonable satisfaction that Producer has taken adequate measures to regulate the output of its Generating Facility and control its deliveries of electric power to PG&E. Further, should PG&E determine that Producer's operation of the Generating Facility is causing an unsafe condition or is adversely affecting PG&E's ability to utilize its Electric System in any manner, even if Producer's deliveries of electric power to PG&E's Electric System are within the limitations specified in this Agreement, PG&E may require Producer to temporarily or permanently reduce or cease deliveries of electric power to PG&E's Electric System. Alternatively, the Parties may agree to other corrective measures so as to mitigate the effect of electric power flowing from the Generating Facility to PG&E's Electric System. Producer's failure to comply with the terms of this Section shall constitute a material breach of this Agreement and PG&E may initiate termination in accordance with the terms of Section 4.2(b).
- 5.7 Producer shall not deliver reactive power to PG&E's Electric System unless the Parties have agreed otherwise in writing.
- 5.8 The Generating Facility shall be operated with all of Producer's Protective Functions in service whenever the Generating Facility is operated in parallel with PG&E's Electric System. Any deviation from these requirements may occur only when the Parties have agreed to such deviations in writing.
- 5.9 If Producer declares that its Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PUC (or any successor definition of Cogeneration (Cogeneration Requirements)), Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet such Cogeneration Requirements, per Appendix D of this Agreement.



## GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

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- 5.10 In order to promote the safety and reliability of the customer Generating Facility, the applicant certifies that as a part of each interconnection request for a NEM and/or NEM2 Generating Facility, that all major solar system components (if any) are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.
- 5.11 Producer certifies as a part of each interconnection request for a NEM and/or NEM2 Eligible Generating Facility that
- (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or
  - (ii) a 10-year service warranty or executed “agreement” has been provided ensuring proper maintenance and continued system performance.
- 5.12 Producers on this tariff must pay for the interconnection of their NEM2 Generation Facilities as provided in Electric Rule 21, pursuant to Decision 16-01-044.
- 5.13 If Producer’s Generating Facility includes any energy storage device(s), Distribution Provider may provide requirements that must be met by the Producer prior to initiating Parallel Operation with PG&E’s Distribution System and throughout the term of this Agreement, including but not limited to the requirements set forth in Appendix I of this Agreement.
- 5.14 Smart Inverters
- For Producer applications received on or after September 9, 2017, the Producer certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.
- Distribution Provider may require a field verification of the Producer’s inverter. Producer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Producer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Producer will need to cease operation of generating facility until verification is confirmed by Distribution Provider.
- (Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at:
- <https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists>.)
- Verification of compliance with such requirements shall be provided by the Producer upon request by PG&E in accordance with PG&E’s Electric Rule 21.

## **GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)**

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An “existing inverter” is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

- (a) it is already approved by PG&E for interconnection prior to September 9, 2017
- (b) the Producer has submitted the interconnection application prior to September 9, 2017,
- (c) the Producer provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application<sup>1</sup> no later than March 31, 2018, or
- (d) the Producer provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All “existing inverters” are not required to be Smart Inverters and are only subject to Section H of Rule 21. Producer replacing an “existing inverter” certifies it is being replaced with either:

- (i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or
- (ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

### **6. INTERCONNECTION FACILITIES**

- 6.1 Producer and/or PG&E, as appropriate, shall provide Interconnection Facilities that adequately protect PG&E’s Electric System, personnel, and other persons from damage or injury, which may be caused by the operation of Producer’s Generating Facility.
- 6.2 Producer shall be solely responsible for the costs, design, purchase, construction, operation, and maintenance of the Interconnection Facilities that Producer owns.
- 6.3 If the provisions of PG&E’s Rule 21, or any other tariff or rule approved by the Commission, requires PG&E to own and operate a portion of the Interconnection Facilities, Producer and PG&E shall promptly execute an Special Facilities Agreement that establishes and allocates responsibility for the design, installation, operation, maintenance, and ownership of the

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<sup>1</sup> A complete application consists all of the following without deficiencies:

- 1. A completed Interconnection Application including all supporting documents and required payments,
- 2. A completed signed Interconnection Agreement,
- 3. Evidence of the Producer final inspection clearance from the governmental authority having jurisdiction over the generating system.



## GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

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Interconnection Facilities. This Special Facilities Agreement shall be attached to and made a part of this Agreement as Appendix C.

- 6.4 The Interconnection Facilities may include Net Generation Output Metering for determination of standby charges and applicable non-bypassable charges, and/or other meters required for PG&E's administration and billing pursuant to PG&E's tariffs for net energy metering.

### 7. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

### 8. INSURANCE

8.1 In connection with Producer's performance of its duties and obligations under this Agreement, Producer shall maintain, during the term of this Agreement, general liability insurance with a combined single limit of not less than:

- (a) Two million dollars (\$2,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than one hundred (100) kW;
- (b) One million dollars (\$1,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; and
- (c) Five hundred thousand dollars (\$500,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is twenty (20) kW or less.
- (d) Two hundred thousand dollars (\$200,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is ten (10) kW or less and Producer's Generating Facility is connected to an account receiving residential service from PG&E.

Such general liability insurance shall include coverage for "Premises-Operations, Owners and Contractors Protective, Products/Completed Operations Hazard, Explosion, Collapse, Underground, Contractual Liability, and Broad Form Property Damage including Completed Operations."

8.2 The general liability insurance required in Section 8.1 shall, by endorsement to the policy or policies, (a) include PG&E as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that PG&E shall not by reason of its inclusion as an additional insured incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide



## GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

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for thirty (30) calendar days' written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

- 8.3 If Producer's Generating Facility employs solely of Renewable Electrical Generation Facilities the requirements of Section 8.1 shall be waived. However, to the extent that Producer has currently in force Commercial General Liability or Personal (Homeowner's) Liability insurance, Producer agrees that it will maintain such insurance in force for the duration of this Agreement in no less than amounts currently in effect. PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operations. Such insurance shall provide for thirty (30) calendar days written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.
- 8.4 Evidence of the insurance required in Section 8.2 shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by PG&E.
- 8.5 Producer agrees to furnish the required certificates and endorsements to PG&E prior to Initial Operation. PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.
- 8.6 If Producer is self-insured with an established record of self-insurance, Producer may comply with the following in lieu of Sections 8.1 through 8.4:
- (a) Producer shall provide to, PG&E, at least thirty (30) calendar days prior to the date of Initial Operation, evidence of an acceptable plan to self-insure to a level of coverage equivalent to that required under Section 8.1.
  - (b) If Producer ceases to self-insure to the level required hereunder, or if Producer are unable to provide continuing evidence of Producer's ability to self-insure, Producer agrees to immediately obtain the coverage required under Section 8.1.
- 8.7 All insurance certificates, statements of self-insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted via email to the following:

Pacific Gas and Electric Company  
Attention: Electric Grid Interconnection - Contract Management  
P.O. Box 770000  
Mail Code N7L  
San Francisco, CA 94177  
Email: EGContractMgmt@pge.com

# GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

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## 9. NOTICES

9.1 Any written notice, demand, or request required or authorized in connection with this Agreement (Notice) shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the address specified below:

If to PG&E: Pacific Gas and Electric Company  
Attention: Electric Grid Interconnection - Contract Management  
P.O. Box 770000  
Mail Code N7L  
San Francisco, CA 94177  
Email: EGContractMgmt@pge.com

If to Producer:

Customer-Generator Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_) \_\_\_\_\_

9.2 A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 9.1.

9.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

## 10. REVIEW OF RECORDS AND DATA

10.1 PG&E shall have the right to review and obtain copies of Producer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Producer's Generating Facility or its interconnection with PG&E's Electric System.

10.2 Producer authorizes to release to the California Energy Commission (CEC) information regarding Producer's facility, including customer name, location, size, and operational characteristics of the unit, as requested from time to time pursuant to the CEC's rules and regulations.

10.3 As a condition of interconnection, pursuant to California Public Utilities Commission (CPUC) Decisions 14-11-001, 20-08-001, and 21-06-026, PG&E is required to provide certain data, including but not limited to confidential customer information, to the CPUC and its contractors, the California



## GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

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Department of Consumer Affairs Contractors State License Board, and the California Department of Financial Protection & Innovation (the "State Entities"). Producer authorizes PG&E to release any and all information contained in its application, and addendum if applicable for interconnection to the State Entities identified in this Section 10.3 without further notification or consent.

### 11. ASSIGNMENT

Producer shall not voluntarily assign its rights nor delegate its duties under this Agreement without PG&E's written consent. Any assignment or delegation Producer makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Producer's assignment of this Agreement.

### 12. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

### 13. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF PG&E's TARIFF SCHEDULES AND RULES

13.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.

13.2 This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.

13.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Tariff Schedules and Rules applicable to the electric service provided by, PG&E, which Tariff Schedules and Rules are hereby incorporated into this Agreement by this reference.

13.4 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

### 14. AMENDMENT AND MODIFICATION

This Agreement can only be amended or modified in writing, signed by both Parties.



# GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

## 15. ENTIRE AGREEMENT

This Agreement, including any incorporated Tariff Schedules and rules, contains the entire agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated tariff schedules and rules.

## 16. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

|                       |   |
|-----------------------|---|
| _____                 | <b>PACIFIC GAS AND ELECTRIC COMPANY</b> |
| <i>(Company Name)</i> | _____                                   |
| _____                 | _____                                   |
| <i>(Signature)</i>    | <i>(Signature)</i>                      |
| _____                 | _____                                   |
| <i>(Print Name)</i>   | <i>(Print Name)</i>                     |
| _____                 | _____                                   |
| <i>(Title)</i>        | <i>(Title)</i>                          |
| _____                 | _____                                   |
| <i>(Date)</i>         | <i>(Date)</i>                           |



**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix A**

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**APPENDIX A**

**DESCRIPTION OF GENERATING FACILITY  
AND SINGLE-LINE DIAGRAM  
(Provided by Producer)**

(Note: The Description of the Generating Facility should include, but not limited to, for each of the technology types of generation: spatial configuration, net and gross nameplate ratings, manufacturer, if the generators are certified under Rule 21, protection equipment, and intended mode of operation [i.e. non-export: export up to 2 seconds; inadvertent export: export between 2 seconds and 60 seconds; and continuous export: export greater than 60 seconds]. Additionally points of interconnection with PG&E, as well as locations and type of protection equipment and disconnect switches should be identified.)

**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix B**

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**APPENDIX B**

**RULES “2” AND “21”**

(Note: PG&E’s electric Rules “2” and “21” may be subject to such changes or modifications by the Commission as the Commission may, from time to time, direct in the exercise of its jurisdiction. PG&E’s tariffs, including Rules “2” and “21” can be accessed via the PG&E website at [www.pge.com/tariffs](http://www.pge.com/tariffs). Upon request, PG&E can provide copies to Producer of Rules “2” and “21.”)



*Pacific Gas and  
Electric Company*<sup>®</sup>

**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)**

**Appendix C**

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**APPENDIX C (If Applicable)**

**RULE 21 “SPECIAL FACILITIES” AGREEMENT  
(Formed between the Parties)**

**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix D**

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**APPENDIX D (When applicable)**

**PRODUCER’S WARRANTY THAT THE GENERATING FACILITY IS A  
“COGENERATION FACILITY” PURSUANT TO SECTION 216.6 OF THE  
CALIFORNIA PUBLIC UTILITIES CODE**

For the purpose of securing the Competition Transition Charge exemption available under Section 372 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PU Code (Cogeneration Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, the Generating Facility shall continue to meet the Cogeneration Requirements. If Producer becomes aware that its Generating Facility has ceased to meet the Cogeneration Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer’s Generating Facility may no longer meet the Cogeneration Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the Cogeneration Requirements within 15 business days of PG&E’s request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer’s Generating Facility and/or require documentation from Producer to monitor the Generating Facility’s compliance with the Cogeneration Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Cogeneration Requirements, then the Cogeneration status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E’s reasonable satisfaction that the Generating Facility meets the requirements for a Cogeneration facility (the Cogeneration Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Cogeneration Status Change and provide Notice to Producer of the Cogeneration Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Cogeneration Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the Cogeneration Requirements. PG&E shall invoice the Producer’s electric service account through which the Generating Facility is Interconnected with PG&E’s Electric System for Competition Transition Charges (CTCs) that were not previously billed during the period between the effective date of the Status Change and the date of the Notice in reliance upon Producer’s representations that the Generating Facility complied with the Cogeneration Requirements and therefore was eligible for the exemption from CTCs available under Section 372 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer’s receipt of such invoice.

**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix E**

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**APPENDIX E (When applicable)**

**PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS A  
"DISTRIBUTED ENERGY RESOURCES GENERATION" FACILITY  
PURSUANT TO SECTION 353.1 OF THE  
CALIFORNIA PUBLIC UTILITIES CODE**

For the purpose of securing the tariff charge exemption available under Section 353.3 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for Distributed Energy Resources Generation as such term is used in Section 353.1 of the PU Code (DERG Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the DERG Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the DERG Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the DERG Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the DERG Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the DERG Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the DERG Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the DERG Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the DERG Status Change and provide Notice to Producer of the DERG Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the DERG Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the DERG Requirements. PG&E shall invoice the Producer electric service account through which the Generating Facility is Interconnected with PG&E's Electric System for any tariff charges that were not previously billed during the period between the effective date of the DERG Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the DERG Requirements and therefore was eligible for the exemption from tariff charges available under Section 353.3 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

# GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

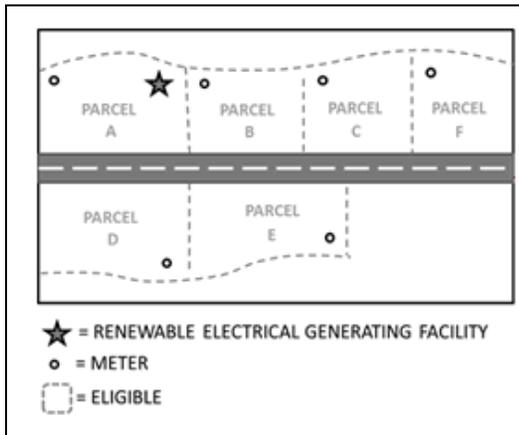
## Appendix F

### APPENDIX F (When applicable)

#### NEM2 LOAD AGGREGATION APPENDIX (If Applicable) CUSTOMER-GENERATOR DECLARATION WARRANTING NEM2 AGGREGATION IS LOCATED ON SAME OR ADJACENT OR CONTIGUOUS PROPERTY TO GENERATOR PARCEL

In accordance with Schedule NEM2, I, Customer-Generator represent and warrant under penalty of perjury that:

- 1) The total annual output in kWh of the generator is less than or equal to 110% (for solar and/or wind systems equal to or less than 30 kW) or 100% (for all other technologies and solar and/or wind systems greater than 30 kW) of the annual aggregated electrical load in kWh of the meters associated with the generator account, including the load on the generating account itself (before being offset by the generator); and
- 2) Each of the aggregated account meters associated with this NEM2 generator account are located either:
  - (i) on the property where the renewable electrical generation facility is located, or
  - (ii) are located within an unbroken chain of contiguous parcels that are all solely owned, leased or rented by the customer-generator. For purposes of Load Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels that are all solely owned leased or rented by the customer-generator.



For example, assume there are five parcels (A, B, C, D, E, and F) that form a cluster of contiguous parcels and D and E are separated from A, B, C and F by a street, highway, or public thoroughfare. For the purposes of participating in Load Aggregation, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the customer-generator. Refer to the diagram at left (for illustrative purposes only.)

- 3) PG&E reserves the right to request a parcel map to confirm the property meets the requirements of 2) above; and
- 4) Customer-Generator agrees to notify PG&E if there is any change of status that makes any of the participating meters ineligible for meter aggregation to ensure that only eligible meters are participating; PG&E will require an updated Appendix and Declaration form; and
- 5) Upon request by PG&E, I agree to provide documentation that all aggregated meters meet the requirements of Rate Schedule NEM2 Special Condition 6 including but not limited to parcel maps and ownership records.

\_\_\_\_\_  
*Customer Generator's Name*

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Date*

\_\_\_\_\_  
*Type/Print Name*

\_\_\_\_\_  
*Title*

**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix G**

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**APPENDIX G (When applicable)**

**PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS AN  
ELIGIBLE BIOGAS ELECTRICAL GENERATING FACILITY PURSUANT  
TO SECTION 2827.9 OF THE CALIFORNIA PUBLIC UTILITIES CODE**

Producer has declared that the Generating Facility meets the requirements for an Eligible Biogas Electrical Generating Facility, as defined in Section 2827.9 of the California Public Utilities Code (Eligibility Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the Eligibility Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the Eligibility Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the Eligibility Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Producer of the Eligibility Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Producer for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM-BIO, Experimental Biogas Net Energy Metering.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.



**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix H**

**Appendix H**

**SCHEDULE NEM2 CUSTOMER-GENERATOR WARRANTY THAT IT  
MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-  
GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL  
GENERATION FACILITY PURSUANT TO SECTION 2827.1 OF THE  
CALIFORNIA PUBLIC UTILITIES CODE**

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM2 interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility).

Check Type of Renewable Electrical Generation Facility:

|   |  |   |
|---|--|---|
| <input type="checkbox"/> biomass                        | <input type="checkbox"/> geothermal    | <input type="checkbox"/> municipal solid waste                                      |
| <input type="checkbox"/> solar thermal                  | <input type="checkbox"/> fuel cell     | <input type="checkbox"/> landfill gas   |
| <input type="checkbox"/> small hydroelectric generation | <input type="checkbox"/> ocean wave    | <input type="checkbox"/> digester gas   |
| <input type="checkbox"/> ocean thermal                  | <input type="checkbox"/> tidal current | <input type="checkbox"/> Storage/Batteries<br>_____ amp hours<br>_____ inverter kWh |

NEM2 Customer-Generator (Customer) declares that

- (1) it meets the requirements to be an “Eligible Customer-Generator” and its Generating Facility.
- (2) (a) meets the requirements of an “Renewable Electrical Generation Facility”, as defined in Section 2827(b)(5) of the California Public Utilities Code and (b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission’s (CEC’s) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook. <sup>2</sup> (Eligibility Requirements).

<sup>2</sup> The RPS Guidebooks can be found at: <https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard>

**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix H**

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Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2827(b)(5) and Public Resource Code Section 25741 paragraph 1(a):

- If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Customer-Generator warrants that the fuel cell is powered solely with renewable fuel.
  
- If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electrical Generation Facility:

- Eligible Customer-Generator warrants that the Renewable Electrical Generation Facility is powered solely with renewable fuel.

Eligible Customer-Generator warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Eligible Customer-Generator and the Generating Facility shall continue to meet the Eligibility Requirements. If Eligible Customer-Generator or the Generating Facility ceases to meet the Eligibility Requirements, Eligible Customer-Generator shall promptly provide PG&E with Notice of such change pursuant to Section 11 of this Agreement. If at any time during the term of this Agreement PG&E determines, at its reasonable discretion, that Eligible Customer-Generator or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Eligible Customer-Generator to provide evidence, that Eligible Customer-Generator and/or Generating Facility continues to meet the Eligibility Requirements, within 20 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Eligible Customer-Generator to monitor the Generating Facility's compliance with the Eligibility Requirements – PG&E will provide a minimum of 10 business days notice to the Eligible Customer-Generator should PG&E decide an inspection is required. If PG&E determines in its reasonable judgment that Eligible Customer-Generator either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Eligibility Status shall be deemed ineffective until such time as Eligible Customer-Generator again demonstrates to PG&E's reasonable satisfaction that Eligible Customer-Generator meets the requirements for an Eligible Customer-Generator and/or the Generating Facility meets the requirements for a Eligible electrical generating facility (the Eligibility Status Change).



**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix H**

---

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Eligible Customer-Generator of the Eligibility Status Change pursuant to Section 11 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Eligible Customer-Generator and/or Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Eligible Customer-Generator for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Eligible Customer-Generator's representations that Eligible Customer-Generator and/or Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM2 Net Energy Metering Service for Eligible Customer-Generators.

Any amounts to be paid or refunded by Eligible Customer-Generator, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Eligible Customer-Generator's receipt of such invoice.

Unless otherwise ordered by the CPUC, this Agreement at all times shall be subject to such modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I certify the above is true and correct,

Customer-Generator Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix I**

---

**APPENDIX I  
(If Applicable)**

**OPERATING REQUIREMENTS FOR ENERGY STORAGE  
DEVICE(S)**

The following Operating Requirement(s) apply to the charging functions of the Generating Facility:

- Producer's storage device(s) will not consume power from Distribution Provider's Distribution System at any time.
- Producer's storage device(s) will not cause the Host Load to exceed its normal peak demand. Normal peak demand is defined as the highest amount of power required from the Distribution System by Producer's complete facilities without the influence or use of the energy storage device(s).
- To avoid upgrades or other technical mitigation items identified in the interconnection process, Producer has chosen the following Generating Facility operating constraint(s):

For the annual period between \_\_\_\_\_ [Month/Day] and \_\_\_\_\_ [Month/Day]

And during the hours of \_\_\_\_\_

The storage device(s) will consume no more than a total of \_\_\_\_ kW from the Distribution System.

This operating constraint voids the need for the following specific mitigation scope:

|  |
|--|
|  |
|  |
|  |
|  |
|  |
|  |

No other charging function limitation is required for this Generating Facility except the requirements above. Producer will be responsible for the costs of the corresponding upgrades or other technical mitigations if at any time the Producer elects to forego or violates the operating requirement.

Consistent with current load service Rules, Distribution Provider is not required to reserve capacity for load. Producer is responsible to contact the utility for any modification to its equipment or change in operations that may result in increased load demand per Electric Rule 3.C.

If any operating requirement is specified above, Distribution Provider reserves the right to ask for data at the 15-minute interval level at any time to verify that the operating requirement is being met. Distribution Provider will make such request via a written notice no more than once per calendar quarter. Producer must provide such data within 30



**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix I**

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Calendar Days of the written request.

If the Generating Facility fails to adhere to the operating requirements at any time, it will be disconnected immediately in accordance with Rule 21 Section D.9 and not reconnected until an approved mitigation (e.g., supervising controls) is in place as determined by Distribution Provider.



**GENERATING FACILITY  
INTERCONNECTION AGREEMENT  
(MULTIPLE TARIFF NEM2MT)  
Appendix J**

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**NEMFC Customer Agreement Starting January 1, 2017 Until California Air Resources Board Emission Standard is Established and Approved by the CPUC as Needed.**

Starting January 1, 2017, Customer applying for Schedule NEMFC, as revised pursuant to Assembly Bill 1637 (2016), agree as follows:

That their Eligible Fuel Cell Electrical Generating Facility must meet the reduction in greenhouse gas emissions standard to be established as required by the California Public Utilities (PU) Code Section 2827.10.

Since the applicable standards are not yet released by the California Air Resources Board (ARB) and/or approved as may be needed by the California Public Utilities Commission (CPUC), Customer agrees and understands that their approval for participation in NEMFC is contingent on their system meeting the new standard within three months of when the new standard becomes available. Specifically, I, Customer, understand and agree that if my fuel cell generator does not meet the ARB emission standard I will not be eligible for NEMFC.

Specifically, I will be responsible for the following:

1. Payment of all interconnection costs, including fees, studies, system upgrades, and any other pertinent interconnection costs.
2. Payment of the following nonbypassable charges on all departed load served by the fuel cell installed at my premises including but not limited to,
  - a. Public Purpose Program Charges;
  - b. Nuclear Decommissioning;
  - c. Department of Water Resources Bond Charges; and
  - d. Competition Transition Charge;
  - e. Other charges that the CPUC determines are to be charged on departed load and for which there is no exception for fuel cells pursuant to Schedule E-DCG.
3. I understand that I may be required to take service on standby tariff pursuant to Schedule S or Schedule SB and pursuant to PU Code Section 2827.10(f)(2)(A).
4. I further understand that I will not be eligible for Rate Schedule NEMFC and will no longer receive any credit for any exports to the grid.

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Date)



**Electric Sample Form No. 79-1174-02D**  
Rule 21 Generator Interconnection Application - Attachment D

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* April 29, 2022  
*Effective* April 29, 2022  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

### Part I - Describing the Generating Facility and Host Customer's Electrical Facilities

Please complete the following table for the specific generator technology indicated.

| Instructions  |  |  |  |  |
|---|--|--|--|--|
| Inverter  | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
| <p>Please indicate the number of each <b>"type"</b> and <b>quantity</b> of Generator being installed</p> <p>Be sure all Generators classified as one "type" are identical in all respects.</p> <p>If only one type of Generator is to be used, only one column needs to be completed.</p>   |  |  |  |  |
| <p>A - Generator/Inverter Manufacturer</p> <p>Enter the brand name of the Generator.</p>  |  |  |  |  |
| <p>B - Generator/Inverter Model</p> <p>Enter the model name or number assigned by the manufacturer of the Generator.</p>  |  |  |  |  |
| <p>C - Generator/Inverter Software Version</p> <p>If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.</p>   |  |  |  |  |
| <p>D - Is the Generator/Inverter certified?</p> <p>Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&amp;E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory.</p> <p>See PG&amp;E's Rule 21, Section L for additional information regarding Generator certification.</p> | <p style="text-align: center;">___ Yes</p> <p style="text-align: center;">___ No</p> | <p style="text-align: center;">___ Yes</p> <p style="text-align: center;">___ No</p> | <p style="text-align: center;">___ Yes</p> <p style="text-align: center;">___ No</p> | <p style="text-align: center;">___ Yes</p> <p style="text-align: center;">___ No</p> |



# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

| Generator Information   | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
|---|---|---|---|---|
| E - Modules.  | <u>Manufacturer</u><br><br><u>Model #.</u><br><br><u>Quantity</u> | <u>Manufacturer</u><br><br><u>Model #.</u><br><br><u>Quantity</u> | <u>Manufacturer</u><br><br><u>Model #.</u><br><br><u>Quantity</u> | <u>Manufacturer</u><br><br><u>Model #.</u><br><br><u>Quantity</u> |
| F - Gross Nameplate Rating (kVA)<br><br>This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate.<br><br>This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both. |   |   |   |   |
| G - Operating Voltage<br><br>This value should be the voltage rating designated by the manufacturer and used in this Generating Facility.<br><br>Please indicate phase-to-phase voltages for 3-phase installations.<br><br>See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.         |   |   |   |   |
| H - Power Factor Rating<br><br>This value should be the nominal power factor rating designated by the manufacturer for the Generator.<br><br>See PG&E's Rule 21, Section H.2.i. for additional information.   |   |   |   |   |
| I - PF Adjustment Range<br><br>Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values.<br><br>See PG&E's Rule 21, Section H.2.i.   |   |   |   |   |
| J - Wiring Configuration<br><br>Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.   |   |   |   |   |



# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

| Generator Information   | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|---|--|--|--|--|
| <b>K - AC Disconnect</b><br>For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect.<br><br>See PG&E's Rule 21, Section H.1.d<br><br>Located within 10 feet of the PG&E meter?  | _____<br>Manufacturer<br><br>_____<br>Model #<br><br>_____<br>Rating (amps)<br><br>____ Yes<br>____ No |
| <b>L - Lineside Tap</b><br>Where is the point of interconnection in relation to the main breaker?<br><br>PG&E has special requirements for a lineside tap.<br>Contact PG&E at: <a href="mailto:Rule21Gen@PGE.com">Rule21Gen@PGE.com</a><br>for more information.                                      | _____<br>Customer side<br><br>____ PG&E side   |
| <b>N - Warranty or Service Agreement</b><br>Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance. | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  |
| <b>O - Solar Ready Electric Panel</b><br>Is the Generating Facility connecting to a circuit breaker on the supply side of the main breaker?   | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  |
| <b>P - Green Meter Adapter (GMA)</b><br>Will a GMA be installed?  | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  |
| <b>Q - Distribution Interconnect Handbook (DIH) and Greenbook Requirements</b><br>Does this interconnection meet the DIH and Greenbook Requirements   | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  |
| <b>R - Gas Clearance Requirements</b><br>Certify that this interconnection meets Greenbook Gas Clearance Requirements?  | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  | ____ Yes<br>____ No  |



# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

| Generator Information   | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|---|--|--|--|--|
| <p>S - Basic Single Line Diagram (SLD)</p> <p>If the interconnection is eligible to use a Basic SLD, please include the requested information.</p>              | <p>_____</p> <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>PV Breaker Size (Amps)</p>   | <p>_____</p> <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>PV Breaker Size (Amps)</p>   | <p>_____</p> <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>PV Breaker Size (Amps)</p>   | <p>_____</p> <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>PV Breaker Size (Amps)</p>   |
| <p>T - Back-up Generator Operation</p> <p>Will the generator be operated as a back-up?</p> <p>If yes, please indicate the control device that will be used.</p> | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor</p> <p><input type="checkbox"/> Breaker</p>                  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor</p> <p><input type="checkbox"/> Breaker</p>                  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor</p> <p><input type="checkbox"/> Breaker</p>                  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor</p> <p><input type="checkbox"/> Breaker</p>                  |
| <p>U - Limited Export</p> <p>Will the generator export be limited?</p> <p>If yes, please indicate how export will be limited.</p>                               | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS – Option 9)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p> | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS – Option 9)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p> | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS – Option 9)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p> | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS – Option 9)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p> |



# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

| Generator Information  | Existing Generator type 1   | Existing Generator type 2 | New Generator type 1 | New Generator type 2 |
|--|---|---------------------------|----------------------|----------------------|
| <p>V – Telemetry</p> <p>Will the Generating Facility Gross Nameplate Rating exceed 1 MW?</p> <p>If yes, please select a Telemetry Option.</p><br><br><br><p>If one of the Customer-owned Telemetry options is selected, please identify the preferred Site Metering Arrangement.</p> | <p><input type="checkbox"/> Yes<br/><input type="checkbox"/> No</p> <p><input type="checkbox"/> Customer-owned Telemetry - Gateway<br/><input type="checkbox"/> Customer-owned Telemetry - Aggregator<br/><input type="checkbox"/> Mini RTU</p> <p><input type="checkbox"/> Customer-side net load metering<br/><input type="checkbox"/> Replace PG&amp;E meter with a Mark V meter and terminal block<br/><input type="checkbox"/> Add terminal block to existing PG&amp;E Mark V meter<br/><input type="checkbox"/> Replace meter socket with dual-socket meter cabinet for installation of customer-owned meter<br/><input type="checkbox"/> Install customer-owned meter in existing dual socket meter cabinet.</p> |                           |                      |                      |

**Part II Solar Statistics Data Fields**

Per Appendix A of CPUC D. 14-11-001, the following data fields must all be completed, in their entirety, in order to initiate PG&E’s interconnection review of the proposed Generating Facility. *Only complete Part II if the solar generating facility is serving as part of a Net Energy Metering (NEM2) arrangement..*

**A. Customer Sector (Check one)**

- |   |                                      |                                     |
|---|--------------------------------------|-------------------------------------|
| <input type="checkbox"/> Residential      | <input type="checkbox"/> Educational | <input type="checkbox"/> Industrial |
| <input type="checkbox"/> Commercial       | <input type="checkbox"/> Military    | <input type="checkbox"/> Non-Profit |
| <input type="checkbox"/> Other Government |                                      |                                     |



# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

**B. Are Performance Monitoring and Reporting Services (PMRS) being utilized?**

Yes       No

If yes, please indicate who is receiving the data? (check all that apply)

Customer

3<sup>rd</sup> Party (list name) \_\_\_\_\_

**C. Are there electric vehicles charging on site at the above generating facility address?**

Yes       No

If yes, please indicate how many electric vehicles \_\_\_\_\_

**D. System Ownership and Financing**

**i. System Owner** (check one):

PG&E Customer Owned

If PG&E Customer Owned, please answer the following:

Indicate the System Cost paid by Customer: \$ \_\_\_\_\_

Property Assessed Clean Energy (PACE) Financed?

Yes       No

If Yes, PACE financed by which entity? \_\_\_\_\_

If you have non-PACE financing or a lease, please fill in the information below

\_\_\_\_\_  
Financial Institution/Lessor Name

\_\_\_\_\_  
Financial Institution/Lessor Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip

Third Party Owned

If Third Party Owned, please answer the following:

Claimed Federal Investment Tax Credit (ITC) Cost Basis: \$ \_\_\_\_\_

Name of Developer at the time of sale:  
\_\_\_\_\_

Contract Type:     PPA     Lease     Pre-Paid Lease     Other \_\_\_\_\_

**ii. Rebate Information:**

Did you participate in a California rebate program?     Yes     No

Please indicate the rebate program that you participated in: \_\_\_\_\_

Rebate Amount: \$ \_\_\_\_\_

If you are participating in the Single-family Affordable Solar Home (SASH) program, please provide SASH project number: \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

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### E. Additional Generating Facility Information (Solar PV Only)

i. Mounting Method:     Rooftop     Ground     Mixed

ii. Tracking Type:     Fixed     Single-Axis     Dual-Axis     Mixed

If fixed, please indicate: Tilt: \_\_\_\_\_ degrees    Azimuth: \_\_\_\_\_ degrees

F. Installer's/Vendor's California State Contractor License Number: \_\_\_\_\_

### G. CPUC Consumer Protection Requirements Pursuant to Decision 21-06-026

#### a. Home Improvement Salesperson (HIS) Registration Number

Was a Home Improvement Salesperson (HIS) involved in the development of your project?

Yes     No

California Public Utilities Commission (CPUC) Decision 21-02-026 requires "*the Home Improvement Salesperson (HIS) registration number of solar providers who are required to have a HIS registration number, while enabling solar providers who are not required to have a HIS registration number to indicate they are exempt and to instead provide the applicable contractor's license.*"

If you checked "Yes" above:

Please provide the Home Improvement Salesperson (HIS) registration number below.

Home Improvement Salesperson (HIS) registration number:

\_\_\_\_\_



**Electric Sample Form No. 79-1174-02E**  
Rule 21 Generator Interconnection Application - Attachment E

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* April 29, 2022  
*Effective* April 29, 2022  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT E

### WIND TURBINE TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

| Instructions  |   |   |   |   |
|---|---|---|---|---|
| Generator Information   | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
| <p>Please indicate the number of each <b>“type” and quantity</b> of Generator being installed</p> <p>Be sure all Generators classified as one “type” are identical in all respects.</p> <p>If only one type of Generator is to be used, only one column needs to be completed.</p>  | Type: _____<br>Qty.: _____  | Type: _____<br>Qty.: _____  | Type: _____<br>Qty.: _____  | Type: _____<br>Qty.: _____  |
| <b>A - Generator/Inverter Manufacturer</b><br>Enter the brand name of the Generator.  |   |   |   |   |
| <b>B - Generator/Inverter Model</b><br>Enter the model name or number assigned by the manufacturer of the Generator.  |   |   |   |   |
| <b>C - Generator/Inverter Software Version</b><br>If this Generator’s control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.   |   |   |   |   |
| <b>D - Is the Inverter certified?</b><br>Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory.<br>See PG&E’s Rule 21, Section L for additional information regarding Generator certification. | <input type="checkbox"/> Yes<br><input type="checkbox"/> No   |
| <b>E - Generator Design</b><br>Please indicate the design of each Generator.<br>Designate “Inverter” anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.   | <input type="checkbox"/> Synch<br><input type="checkbox"/> Induct.<br><input type="checkbox"/> Inverter |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT E

### WIND TURBINE TECHNOLOGY

| Generator Information   | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|---|--|--|--|--|
| <p><b>F - Gross Nameplate Rating (kVA)</b></p> <p>This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate.</p> <p>This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.</p> |  |  |  |  |
| <p><b>G - Operating Voltage</b></p> <p>This value should be the voltage rating designated by the manufacturer and used in this Generating Facility.</p> <p>Please indicate phase-to-phase voltages for 3-phase installations.</p> <p>See PG&amp;E's Rule 21, Section H.2.b. and Table H.1., for additional information.</p>     |  |  |  |  |
| <p><b>H - Power Factor Rating</b></p> <p>This value should be the nominal power factor rating designated by the manufacturer for the Generator.</p> <p>See PG&amp;E's Rule 21, Section H.2.i. for additional information.</p>   |  |  |  |  |
| <p><b>I - PF Adjustment Range</b></p> <p>Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values.</p> <p>See PG&amp;E's Rule 21, Section H.2.i.</p>   |  |  |  |  |
| <p><b>J - Wiring Configuration</b></p> <p>Please indicate whether the Generator is a single-phase or three-phase device. See PG&amp;E's Rule 21, Section H.3.</p>   |  |  |  |  |
| <p><b>K - (MP) 3-Phase Winding Configuration</b></p> <p>(Choose One)</p> <p>For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.</p>  | <p><input type="checkbox"/> 3 Wire Delta</p> <p><input type="checkbox"/> 3 Wire Wye</p> <p><input type="checkbox"/> 4 Wire Wye</p> | <p><input type="checkbox"/> 3 Wire Delta</p> <p><input type="checkbox"/> 3 Wire Wye</p> <p><input type="checkbox"/> 4 Wire Wye</p> | <p><input type="checkbox"/> 3 Wire Delta</p> <p><input type="checkbox"/> 3 Wire Wye</p> <p><input type="checkbox"/> 4 Wire Wye</p> | <p><input type="checkbox"/> 3 Wire Delta</p> <p><input type="checkbox"/> 3 Wire Wye</p> <p><input type="checkbox"/> 4 Wire Wye</p> |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT E

### WIND TURBINE TECHNOLOGY

| Generator Information  | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|--|--|--|--|--|
| <p>L - (MP) Neutral Grounding System Used (Choose One)</p> <p>Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.</p>  | <p>___ Ungrounded</p> <p>___ Solidly Grounded</p> <p>___ Ground Resistor</p> <p>___ Ohms</p>           | <p>___ Ungrounded</p> <p>___ Solidly Grounded</p> <p>___ Ground Resistor</p> <p>___ Ohms</p>           | <p>___ Ungrounded</p> <p>___ Solidly Grounded</p> <p>___ Ground Resistor</p> <p>___ Ohms</p>           | <p>___ Ungrounded</p> <p>___ Solidly Grounded</p> <p>___ Ground Resistor</p> <p>___ Ohms</p>           |
| <p>M - Induction Generators Only:</p> <p style="padding-left: 40px;">Locked Rotor Current: _____ (Amps)</p> <p style="padding-left: 40px;"><b>Stator Resistance:</b> _____ (%)</p> <p style="padding-left: 40px;">Stator Leakage Reactance: _____ (%)</p> <p style="padding-left: 40px;">Rotor Resistance: _____ (%)</p> <p style="padding-left: 40px;">Rotor Leakage Reactance: _____ (%)</p> <p>If the Generator is of an induction design, please provide the “locked rotor current” value supplied by the manufacturer.</p> <p>If this value is not available, the stator resistance, stator leakage reactance, rotor resistance, rotor leakage reactance values supplied by the manufacturer may be used to determine the locked rotor current.</p> <p>If the Generator’s Gross Nameplate Capacity is 10 MW or greater, PG&amp;E may request additional data to better model the nature and behavior of the Generator with relation to its Electric System.</p> | <p>_____ (Amps)</p> <p>_____ (%)</p> <p>_____ (%)</p> <p>_____ (%)</p> <p>_____ (%)</p>                | <p>_____ (Amps)</p> <p>_____ (%)</p> <p>_____ (%)</p> <p>_____ (%)</p> <p>_____ (%)</p>                | <p>_____ (Amps)</p> <p>_____ (%)</p> <p>_____ (%)</p> <p>_____ (%)</p> <p>_____ (%)</p>                | <p>_____ (Amps)</p> <p>_____ (%)</p> <p>_____ (%)</p> <p>_____ (%)</p> <p>_____ (%)</p>                |
| <p>N - Short Circuit Current Produced by Generator</p>   | <p>_____ (Amps)</p>  | <p>_____ (Amps)</p>  | <p>_____ (Amps)</p>  | <p>_____ (Amps)</p>  |
| <p>O - AC Disconnect</p> <p>For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect.</p> <p>See PG&amp;E’s Rule 21, Section H.1.d</p> <p>Located within 10 feet of the PG&amp;E meter?</p>   | <p>_____ Manufacturer</p> <p>_____ Model #</p> <p>_____ Rating (amps)</p> <p>___ Yes</p> <p>___ No</p> | <p>_____ Manufacturer</p> <p>_____ Model #</p> <p>_____ Rating (amps)</p> <p>___ Yes</p> <p>___ No</p> | <p>_____ Manufacturer</p> <p>_____ Model #</p> <p>_____ Rating (amps)</p> <p>___ Yes</p> <p>___ No</p> | <p>_____ Manufacturer</p> <p>_____ Model #</p> <p>_____ Rating (amps)</p> <p>___ Yes</p> <p>___ No</p> |
| <p>P - Lineside Tap</p> <p>Where is the point of interconnection in relation to the main breaker?</p> <p>PG&amp;E has special requirements for a lineside tap.</p> <p>Contact PG&amp;E at: <a href="mailto:Rule21Gen@PGE.com">Rule21Gen@PGE.com</a> for more information.</p>  | <p>_____ Customer side</p> <p>___ PG&amp;E side</p>  |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT E

### WIND TURBINE TECHNOLOGY

| Generator Information   | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|---|--|--|--|--|
| <b>Q – Warranty or Service Agreement</b><br>Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed “agreement” ensuring proper maintenance and continued system performance. | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>R - Distribution Interconnect Handbook (DIH) and Greenbook Requirements</b><br>Does this interconnection meet the DIH and Greenbook Requirements   | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>S - Gas Clearance Requirements</b><br>Certify that this interconnection meets Greenbook Gas Clearance Requirements?  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>T - Back-up Generator Operation</b><br>Will the generator be operated as a back-up?<br><br>If yes, please indicate control device.   | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          |
| <b>U - Limited Export</b><br>Will the generator export be limited?<br><br>If yes, please indicate how export will be limited.   | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS - Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter |





**Electric Sample Form No. 79-1174-02F**  
Rule 21 Generator Interconnection Application - Attachment F

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* April 29, 2022  
*Effective* April 29, 2022  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT F

### **MACHINE-BASED TECHNOLOGY**

Please complete the following table for the specific generator technology indicated.

| Instructions  |   |   |   |   |
|---|---|---|---|---|
| Generator Information   | Existing Generator type 1                                       | Existing Generator type 2                                       | New Generator type 1  | New Generator type 2  |
| <p>Please indicate the number of each <b>“type”</b> and <b>quantity</b> of Generator being installed.</p> <p>Be sure all Generators classified as one “type” are identical in all respects.</p> <p>If only one type of Generator is to be used, only one column needs to be completed.</p>  |   |   |   |   |
| <p>A - Generator/Inverter Manufacturer<br/>Enter the brand name of the Generator.</p>   |   |   |   |   |
| <p>B - Generator/Inverter Model<br/>Enter the model name or number assigned by the manufacturer of the Generator.</p>   |   |   |   |   |
| <p>C - Generator/Inverter Software Version<br/>If this Generator’s control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.</p>  |   |   |   |   |
| <p>D - Is the Generator/Inverter certified?<br/>Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&amp;E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory.<br/>See PG&amp;E’s Rule 21, Section L for additional information regarding Generator certification.</p> | <input type="checkbox"/> Yes<br><br><input type="checkbox"/> No |
| <p>F - Gross Nameplate Rating (kVA)<br/>This is the capacity value normally supplied by the manufacturer and stamped on the Generator’s nameplate.<br/><br/>This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.</p>   |   |   |   |   |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT F

### MACHINE-BASED TECHNOLOGY

| Generator Information   | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
|---|---|---|---|---|
| <p><b>G - Operating Voltage</b></p> <p>This value should be the voltage rating designated by the manufacturer and used in this Generating Facility.</p> <p>Please indicate phase-to-phase voltages for 3-phase installations.</p> <p>See PG&amp;E's Rule 21, Section H.2.b. and Table H.1., for additional information.</p>   |   |   |   |   |
| <p><b>H - Power Factor Rating</b></p> <p>This value should be the nominal power factor rating designated by the manufacturer for the Generator.</p> <p>See PG&amp;E's Rule 21, Section H.2.i. for additional information.</p>   |   |   |   |   |
| <p><b>I - PF Adjustment Range</b></p> <p>Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values.</p> <p>See PG&amp;E's Rule 21, Section H.2.i.</p>   |   |   |   |   |
| <p><b>J - Wiring Configuration</b></p> <p>Please indicate whether the Generator is a single-phase or three-phase device. See PG&amp;E's Rule 21, Section H.3.</p>   |   |   |   |   |
| <p><b>K - (MP) 3-Phase Winding Configuration (Choose One)</b></p> <p>For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.</p>   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye   |
| <p><b>L - (MP) Neutral Grounding System Used (Choose One)</b></p> <p>Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected.</p> <p>If the grounding method used at this facility is not listed, please attach additional descriptive information.</p> | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT F

### MACHINE-BASED TECHNOLOGY

| Generator Information  | Existing Generator type 1 | Existing Generator type 2 | New Generator type 1 | New Generator type 2 |
|--|---------------------------|---------------------------|----------------------|----------------------|
| <p><b>M – Synchronous Generators Only:</b> If the Generator is of a synchronous design, please provide the synchronous reactance, transient reactance, and subtransient reactance values supplied by the manufacturer. This information is necessary to determine the short circuit contribution of the Generator and as data in load flow and short circuit computer models of PG&amp;E's Electric System. If the Generator's Gross Nameplate Capacity is 10 MW or greater, PG&amp;E may request additional data to better model the nature and behavior of the Generator with relation to its Electric System.</p> <p style="text-align: right;">Synchronous Reactance: _____ (Xd %)</p> <p style="text-align: right;">Transient Reactance: _____ (Xd %)</p> <p style="text-align: right;">Subtransient Reactance: _____ (Xd %)</p>  |                           |                           |                      |                      |
| <p><b>N - Induction Generators Only:</b></p> <p style="text-align: right;">Locked Rotor Current: _____ (Amps)</p> <p style="text-align: right;"><b>Stator Resistance:</b> _____ (%)</p> <p style="text-align: right;">Stator Leakage Reactance: _____ (%)</p> <p style="text-align: right;">Rotor Resistance: _____ (%)</p> <p style="text-align: right;">Rotor Leakage Reactance: _____ (%)</p> <p>If the Generator is of an induction design, please provide the "locked rotor current" value supplied by the manufacturer.</p> <p>If this value is not available, the stator resistance, stator leakage reactance, rotor resistance, rotor leakage reactance values supplied by the manufacturer may be used to determine the locked rotor current.</p> <p>If the Generator's Gross Nameplate Capacity is 10 MW or greater, PG&amp;E may request additional data to better model the nature and behavior of the Generator with relation to its Electric System.</p> |                           |                           |                      |                      |
| <p><b>O - Short Circuit Current Produced by Generator</b></p>  | <p>_____ (Amps)</p>       | <p>_____ (Amps)</p>       | <p>_____ (Amps)</p>  | <p>_____ (Amps)</p>  |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT F

### MACHINE-BASED TECHNOLOGY

| Generator Information   | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|---|--|--|--|--|
| <p><b>P – For Generators that are Started as a “Motor” Only:</b> This information is needed only for Generators that are started by “motoring” the generator.</p> <p>See PG&amp;E’s Rule 21, Sections L.3.d. and L.7.b. for significance and additional information.</p> <p>If this question was answered in Part IV, question C of this Application, it need not be answered here.</p> <p>1. In-Rush Current:</p> <p>2. Host Customer’s Service Entrance Panel (Main Panel) Continuous Current Rating:</p> | _____<br>(Amps)  | _____<br>(Amps)  | _____<br>(Amps)  | _____<br>(Amps)  |
| <p><b>Q – Prime Mover Type</b></p> <p>Please indicate the type and fuel used as the prime mover or source of energy for the Generator.</p> <p>1 = Natural Gas<br/>2 = Diesel Fueled<br/>3 = Other Fuel</p>  | 1   2   3  | 1   2   3  | 1   2   3  | 1   2   3  |
| <p><b>R - AC Disconnect</b></p> <p>For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect.</p> <p>See PG&amp;E’s Rule 21, Section H.1.d</p> <p>Located within 10 feet of the PG&amp;E meter?</p>   | _____<br>Manufacturer<br><br>_____<br>Model #<br><br>_____<br>Rating (amps)<br><br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |
| <p><b>S - Lineside Tap</b></p> <p>Where is the point of interconnection in relation to the main breaker?</p> <p>PG&amp;E has special requirements for a lineside tap.</p> <p>Contact PG&amp;E at: <a href="mailto:Rule21Gen@PGE.com">Rule21Gen@PGE.com</a> for more information.</p>  | _____<br>Customer side<br><br><input type="checkbox"/> PG&E side   | _____<br>Customer side<br><br><input type="checkbox"/> PG&E side   | _____<br>Customer side<br><br><input type="checkbox"/> PG&E side   | <input type="checkbox"/> Customer side<br><br><input type="checkbox"/> PG&E side   |
| <p><b>T – Warranty or Service Agreement</b></p> <p>Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed</p>  | <input type="checkbox"/> Yes<br><br><input type="checkbox"/> No  |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT F

### MACHINE-BASED TECHNOLOGY

| Generator Information  | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|--|--|--|--|--|
| “agreement” ensuring proper maintenance and continued system performance.  |  |  |  |  |
| <b>U - Cogeneration</b><br>Please indicate whether this Generating Facility meets the definition of cogeneration in PUC 216.6 (5% useful thermal and 42.5% efficient): | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>V - Distribution Interconnect Handbook (DIH) and Greenbook Requirements</b><br>Does this interconnection meet the DIH and Greenbook Requirements                    | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>W - Gas Clearance Requirements</b><br>Certify that this interconnection meets Greenbook Gas Clearance Requirements?   | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>X - Back-up Generator Operation</b><br>Will the generator be operated as a back-up?<br><br>If yes, please indicate control device.                                  | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          |
| <b>Y - Limited Export</b><br>Will the generator export be limited?<br><br>If yes, please indicate how export will be limited.  | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT F

### **MACHINE-BASED TECHNOLOGY**

| Generator Information   | Existing Generator type 1  | Existing Generator type 2 | New Generator type 1 | New Generator type 2 |
|---|--|---------------------------|----------------------|----------------------|
| <p>Z - Telemetry</p> <p>Will the Generating Facility Gross Nameplate Rating exceed 1 MW?</p> <p>If yes, please select a Telemetry Option.</p> <p>If one of the Customer-owned Telemetry options is selected, please identify the preferred Site Metering Arrangement.</p> | <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>   |                           |                      |                      |
|   | <p><input type="checkbox"/> Customer-owned Telemetry - Gateway</p> <p><input type="checkbox"/> Customer-owned Telemetry - Aggregator</p> <p><input type="checkbox"/> Mini RTU</p><br><p><input type="checkbox"/> Customer-side net load metering</p> <p><input type="checkbox"/> Replace PG&amp;E meter with a Mark V meter and terminal block</p> <p><input type="checkbox"/> Add terminal block to existing PG&amp;E Mark V meter</p> <p><input type="checkbox"/> Replace meter socket with dual-socket meter cabinet for installation of customer-owned meter</p> <p><input type="checkbox"/> Install customer-owned meter in existing dual socket meter cabinet.</p> |                           |                      |                      |



**Electric Sample Form No. 79-1174-02G**  
Rule 21 Generator Interconnection Application - Attachment G

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* April 29, 2022  
*Effective* April 29, 2022  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT G

### FUEL CELL TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

| Instructions  |   |   |   |   |
|---|---|---|---|---|
| Generator Information   | Existing Generator type 1                                       | Existing Generator type 2                                       | New Generator type 1  | New Generator type 2  |
| <p>Please indicate the number of each <b>“type” and quantity</b> of Generator being installed.</p> <p>Be sure all Generators classified as one “type” are identical in all respects.</p> <p>If only one type of Generator is to be used, only one column needs to be completed.</p>   |   |   |   |   |
| <p>A - Generator/Inverter Manufacturer</p> <p>Enter the brand name of the Generator.</p>  |   |   |   |   |
| <p>B - Generator/Inverter Model</p> <p>Enter the model name or number assigned by the manufacturer of the Generator.</p>  |   |   |   |   |
| <p>C - Generator/Inverter Software Version</p> <p>If this Generator’s control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.</p>   |   |   |   |   |
| <p>D - Is the Generator/Inverter certified?</p> <p>Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&amp;E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory.</p> <p>See PG&amp;E’s Rule 21, Section L for additional information regarding Generator certification.</p> | <input type="checkbox"/> Yes<br><br><input type="checkbox"/> No |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT G

### FUEL CELL TECHNOLOGY

| Generator Information  | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
|--|---|---|---|---|
| <b>E - Generator Design</b><br>Please indicate the design of each Generator.<br>Designate "Inverter" anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.  | <input type="checkbox"/> Synch<br><input type="checkbox"/> Induct.<br><input type="checkbox"/> Inverter             |
| <b>F - Gross Nameplate Rating (kVA)</b><br>This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate.<br>This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both. |   |   |   |   |
| <b>G - Operating Voltage</b><br>This value should be the voltage rating designated by the manufacturer and used in this Generating Facility.<br>Please indicate phase-to-phase voltages for 3-phase installations.<br>See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.             |   |   |   |   |
| <b>H - Power Factor Rating</b><br>This value should be the nominal power factor rating designated by the manufacturer for the Generator.<br>See PG&E's Rule 21, Section H.2.i. for additional information.   |   |   |   |   |
| <b>I - PF Adjustment Range</b><br>Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values.<br>See PG&E's Rule 21, Section H.2.i.   |   |   |   |   |
| <b>J - Wiring Configuration</b><br>Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.   |   |   |   |   |
| <b>K - (MP) 3-Phase Winding Configuration (Choose One)</b><br>For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT G

### FUEL CELL TECHNOLOGY

| Generator Information  | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
|--|---|---|---|---|
| <p>L - (MP) Neutral Grounding System Used (Choose One)</p> <p>Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected.</p> <p>If the grounding method used at this facility is not listed, please attach additional descriptive information.</p> | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms |
| M - Short Circuit Current Produced by Generator  | _____<br>(Amps)   | _____<br>(Amps)   | _____<br>(Amps)   | _____<br>(Amps)   |
| <p>N – Prime Mover Type</p> <p>Please indicate the type and fuel used as the prime mover or source of energy for the Generator.</p> <p>1 = Natural Gas<br/>           2 = Diesel Fueled<br/>           3 = Other Fuel</p>  | 1   2   3   | 1   2   3   | 1   2   3   | 1   2   3   |
| <p>O - AC Disconnect</p> <p>For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect.</p> <p>See PG&amp;E's Rule 21, Section H.1.d</p> <p>Located within 10 feet of the PG&amp;E meter?</p>   | _____<br>Manufacturer<br>_____<br>Model #<br>_____<br>Rating (amps)<br><br><input type="checkbox"/> Yes<br><input type="checkbox"/> No                        |
| <p>P - Lineside Tap</p> <p>Where is the point of interconnection in relation to the main breaker?</p> <p>PG&amp;E has special requirements for a lineside tap.</p> <p>Contact PG&amp;E at: <a href="mailto:Rule21Gen@PGE.com">Rule21Gen@PGE.com</a> for more information.</p>  | _____<br>Customer side<br><br><input type="checkbox"/> PG&E side  |
| <p>Q – Warranty or Service Agreement</p> <p>Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance.</p>  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No   |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT G

### FUEL CELL TECHNOLOGY

| Generator Information  | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|--|--|--|--|--|
| <b>R - Cogeneration</b><br>Please indicate whether this Generating Facility meets the definition of cogeneration in PUC 216.6 (5% useful thermal and 42.5% efficient): | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  |
| <b>S - Distribution Interconnect Handbook (DIH) and Greenbook Requirements</b><br>Does this interconnection meet the DIH and Greenbook Requirements                    | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  |
| <b>T - Gas Clearance Requirements</b><br>Certify that this interconnection meets Greenbook Gas Clearance Requirements?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  |
| <b>U - Back-up Generator Operation</b><br>Will the generator be operated as a back-up?<br><br>If yes, please indicate control device.                                  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          |
| <b>V - Limited Export</b><br>Will the generator export be limited?<br><br>If yes, please indicate how export will be limited.  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Power Control System (PCS – Option 9)<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT G

### FUEL CELL TECHNOLOGY

| Generator Information  | Existing Generator type 1  | Existing Generator type 2 | New Generator type 1 | New Generator type 2 |
|--|--|---------------------------|----------------------|----------------------|
| <p>W - Telemetry</p> <p>Will the Generating Facility Gross Nameplate Rating exceed 1 MW?</p> <p>If yes, please select a Telemetry Option.</p><br><br><br><p>If one of the Customer-owned Telemetry options is selected, please identify the preferred Site Metering Arrangement.</p> | <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p><br><p><input type="checkbox"/> Customer-owned Telemetry - Gateway</p> <p><input type="checkbox"/> Customer-owned Telemetry - Aggregator</p> <p><input type="checkbox"/> Mini RTU</p><br><p><input type="checkbox"/> Customer-side net load metering</p> <p><input type="checkbox"/> Replace PG&amp;E meter with a Mark V meter and terminal block</p> <p><input type="checkbox"/> Add terminal block to existing PG&amp;E Mark V meter</p> <p><input type="checkbox"/> Replace meter socket with dual-socket meter cabinet for installation of customer-owned meter</p> <p><input type="checkbox"/> Install customer-owned meter in existing dual socket meter cabinet.</p> |                           |                      |                      |



**Electric Sample Form No. 79-1174-02H**  
Rule 21 Generator Interconnection Application - Attachment H

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* April 29, 2022  
*Effective* April 29, 2022  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT H

### ENERGY STORAGE TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

| Instructions  |  |  |  |  |
|---|--|--|--|--|
| Generator Information   | Existing Generator type 1                | Existing Generator type 2                | New Generator type 1                     | New Generator type 2                     |
| <p>Please indicate the number of each <b>“type” and quantity</b> of Generator being installed.</p> <p>Be sure all Generators classified as one “type” are identical in all respects.</p> <p>If only one type of Generator is to be used, only one column needs to be completed.</p>   |  |  |  |  |
| <p><b>A - Generator/Inverter Manufacturer</b><br/>Enter the brand name of the Generator.</p>  |  |  |  |  |
| <p><b>B - Generator/Inverter Model</b><br/>Enter the model name or number assigned by the manufacturer of the Generator.</p>  |  |  |  |  |
| <p><b>C - Generator/Inverter Software Version</b><br/>If this Generator’s control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.</p>   |  |  |  |  |
| <p><b>D - Is the Generator/Inverter certified?</b><br/>Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&amp;E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory.<br/><br/>See PG&amp;E’s Rule 21, Section L for additional information regarding Generator certification.</p> | ___ Yes<br>___ No                        | ___ Yes<br>___ No                        | ___ Yes<br>___ No                        | ___ Yes<br>___ No                        |
| <p><b>E - Generator Design</b><br/>Please indicate the design of each Generator.<br/><br/>Designate “Inverter” anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.</p>   | ___ Synch<br>___ Induct.<br>___ Inverter |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT H

### ENERGY STORAGE TECHNOLOGY

| Generator Information   | Existing Generator type 1                                       | Existing Generator type 2                                       | New Generator type 1  | New Generator type 2  |
|---|---|---|---|---|
| <p><b>F - Gross Nameplate Rating (kVA)</b></p> <p>This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate.</p> <p>This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.</p> |   |   |   |   |
| <p><b>G - Energy Storage Electrical Source Function</b> (in addition, please complete section: "Additional Information Required for Energy Storage")</p>  | <p>Max kWh Capacity:</p> <hr/> <p>Rated kW Discharge:</p> <hr/> | <p>Max kWh Capacity:</p> <hr/> <p>Rated kW Discharge:</p> <hr/> | <p>Max kWh Capacity:</p> <hr/> <p>Rated kW Discharge:</p> <hr/> | <p>Max kWh Capacity:</p> <hr/> <p>Rated kW Discharge:</p> <hr/> |
| <p><b>H - Operating Voltage</b></p> <p>This value should be the voltage rating designated by the manufacturer and used in this Generating Facility.</p> <p>Please indicate phase-to-phase voltages for 3-phase installations.</p> <p>See PG&amp;E's Rule 21, Section H.2.b. and Table H.1., for additional information.</p>     |   |   |   |   |
| <p><b>I - Power Factor Rating</b></p> <p>This value should be the nominal power factor rating designated by the manufacturer for the Generator.</p> <p>See PG&amp;E's Rule 21, Section H.2.i. for additional information.</p>   |   |   |   |   |
| <p><b>J - PF Adjustment Range</b></p> <p>Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values.</p> <p>See PG&amp;E's Rule 21, Section H.2.i.</p>   |   |   |   |   |
| <p><b>K - Wiring Configuration</b></p> <p>Please indicate whether the Generator is a single-phase or three-phase device. See PG&amp;E's Rule 21, Section H.3.</p>   |   |   |   |   |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT H

### ENERGY STORAGE TECHNOLOGY

| Generator Information  | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
|--|---|---|---|---|
| <b>L - (MP) 3-Phase Winding Configuration (Choose One)</b><br>For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye   | <input type="checkbox"/> 3 Wire Delta<br><input type="checkbox"/> 3 Wire Wye<br><input type="checkbox"/> 4 Wire Wye   |
| <b>M - (MP) Neutral Grounding System Used (Choose One)</b><br>Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected.<br>If the grounding method used at this facility is not listed, please attach additional descriptive information. | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms                               | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms                               | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms                               | <input type="checkbox"/> Ungrounded<br><input type="checkbox"/> Solidly Grounded<br><input type="checkbox"/> Ground Resistor<br><input type="checkbox"/> Ohms                               |
| <b>N - Short Circuit Current Produced by Generator:</b>  | <input type="text"/><br>(Amps)  | <input type="text"/><br>(Amps)  | <input type="text"/><br>(Amps)  | <input type="text"/><br>(Amps)  |
| <b>O – Prime Mover Type</b><br>Please indicate the type and fuel used as the prime mover or source of energy for the Generator.<br>1 = Natural Gas<br>2 = Diesel Fueled<br>3 = Other Fuel  | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3  | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3  | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3  | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3  |
| <b>P - AC Disconnect</b><br>For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect.<br>See PG&E's Rule 21, Section H.1.d<br><br>Located within 10 feet of the PG&E meter?   | <input type="text"/><br>Manufacturer<br><br><input type="text"/><br>Model #<br><br><input type="text"/><br>Rating (amps)<br><br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="text"/><br>Manufacturer<br><br><input type="text"/><br>Model #<br><br><input type="text"/><br>Rating (amps)<br><br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="text"/><br>Manufacturer<br><br><input type="text"/><br>Model #<br><br><input type="text"/><br>Rating (amps)<br><br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="text"/><br>Manufacturer<br><br><input type="text"/><br>Model #<br><br><input type="text"/><br>Rating (amps)<br><br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT H

### ENERGY STORAGE TECHNOLOGY

| Generator Information   | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
|---|---|---|---|---|
| <b>Q - Energy Storage (ES) System</b><br>(For important sizing information related to DC-Coupled configurations, see sizing note below).  | _____<br>Manufacturer<br><br>_____<br>Model #<br><br>_____<br>Quantity of Units |
| <b>R - Lineside Tap</b><br>Where is the point of interconnection in relation to the main breaker?<br><br>PG&E has special requirements for a lineside tap.<br>Contact PG&E at: <a href="mailto:Rule21Gen@PGE.com">Rule21Gen@PGE.com</a> for more information.   | _____<br>Customer side<br><br>_____ PG&E side                                   |
| <b>S – Warranty or Service Agreement</b><br>Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed “agreement” ensuring proper maintenance and continued system performance. | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   |
| <b>T - Distribution Interconnect Handbook (DIH) and Greenbook Requirements</b><br>Does this interconnection meet the DIH and Greenbook Requirements   | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   |
| <b>U - Gas Clearance Requirements</b><br>Certify that this interconnection meets Greenbook Gas Clearance Requirements?  | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   | _____ Yes<br>_____ No   |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT H

### ENERGY STORAGE TECHNOLOGY

| Generator Information  | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
|--|---|---|---|---|
| <p>V - Basic Single Line Diagram (SLD)</p> <p>If the interconnection is eligible to use a Basic SLD, please include the requested information.</p><br><br><br><br><br><br><br><br><br><br><br><p>Can this system be used as a back-up generator?</p><br><br><p>If so, please include the requested information for the back-up controller or other device.</p> | <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>Storage Breaker Size (Amps)</p> <p>_____</p> <p>_____ Yes<br/>_____ No</p> <p>Manufacturer</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model No.</p> <p>_____</p> | <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>Storage Breaker Size (Amps)</p> <p>_____</p> <p>_____ Yes<br/>_____ No</p> <p>Manufacturer</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model No.</p> <p>_____</p> | <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>Storage Breaker Size (Amps)</p> <p>_____</p> <p>_____ Yes<br/>_____ No</p> <p>Manufacturer</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model No.</p> <p>_____</p> | <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>Storage Breaker Size (Amps)</p> <p>_____</p> <p>_____ Yes<br/>_____ No</p> <p>Manufacturer</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model No.</p> <p>_____</p> |
| <p>W - Back-up Generator Operation</p> <p>Will the generator be operated as a back-up?</p><br><br><p>If yes, please indicate control device.</p>   | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor<br/><input type="checkbox"/> Breaker</p>  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor<br/><input type="checkbox"/> Breaker</p>  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor<br/><input type="checkbox"/> Breaker</p>  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor<br/><input type="checkbox"/> Breaker</p>  |
| <p>X - Limited Export</p> <p>Will the generator export be limited?</p><br><br><p>If yes, please indicate how export will be limited.</p>   | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS – Option 9)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p>  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS – Option 9)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p>  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS – Option 9)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p>  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS – Option 9)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p>  |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT H

### ENERGY STORAGE TECHNOLOGY

| Generator Information   | Existing Generator type 1  | Existing Generator type 2 | New Generator type 1 | New Generator type 2 |
|---|--|---------------------------|----------------------|----------------------|
| <p>Y - Telemetry</p> <p>Will the Generating Facility Gross Nameplate Rating exceed 1 MW?</p> <p>If yes, please select a Telemetry Option.</p> <p>If one of the Customer-owned Telemetry options is selected, please identify the preferred Site Metering Arrangement.</p> | <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Customer-owned Telemetry - Gateway</p> <p><input type="checkbox"/> Customer-owned Telemetry - Aggregator</p> <p><input type="checkbox"/> Mini RTU</p> <p><input type="checkbox"/> Customer-side net load metering</p> <p><input type="checkbox"/> Replace PG&amp;E meter with a Mark V meter and terminal block</p> <p><input type="checkbox"/> Add terminal block to existing PG&amp;E Mark V meter</p> <p><input type="checkbox"/> Replace meter socket with dual-socket meter cabinet for installation of customer-owned meter</p> <p><input type="checkbox"/> Install customer-owned meter in existing dual socket meter cabinet.</p> |                           |                      |                      |



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT H

### ENERGY STORAGE TECHNOLOGY

#### Energy Storage Charging Function:

Rated Charge Demand (Load): \_\_\_\_\_ kW

Estimated annual Net Energy Usage\* of the energy storage device(s): \_\_\_\_\_ kWh

\*Net Energy usage = (kWh input, including charging, storage device auxiliary loads and losses) – (kWh output including discharging)

Will the Distribution Grid be used to charge the storage device:  Yes  No

If no: Provide technical description of control systems including (e.g. Nationally-certified piece of equipment, Relays/metering):

Source of energy for Charging: \_\_\_\_\_

Mechanism to prevent charging from the Distribution System: \_\_\_\_\_

If Yes: Will charging the storage device(s) increase the host facility's existing peak load demand:

Yes  No

If Yes: Provide the following loading information:

Amount of added peak demand: \_\_\_\_\_ kW

If no: Provide technical description of controls systems including:

Charging periods: \_\_\_\_\_

Mechanism to prevent charging from the Distribution System during host facility peak:

\_\_\_\_\_

#### Expedited Interconnection Process Selection for Non-Export Energy Storage:

This project meets the requirements identified in Rule 21 Section N and this process is being selected for expedited interconnection.

#### Note on Sizing (DC-Coupled Configurations)

The size of the storage system in DC-coupled NEM-eligible generator plus storage systems is the lesser of the shared inverter's (or inverters') nameplate capacity (capacities summed) and the storage device's (devices') maximum continuous discharge capacity (capacities summed) listed on the device's (devices') technical specifications sheets. A storage device's maximum continuous discharge capacity may be listed on technical specification sheets using different terminology. Note: PG&E will use common sense to determine whether a device's technical specification sheet includes the appropriate metric for purposes of determining system size, regardless of the terminology used. If that metric is not included, PG&E may rely on the inverter's nameplate rating.

For example:

- What is the maximum continuous discharge capability for each storage unit?

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = . total \_\_\_\_\_

- What is each inverter's nameplate rating?

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = . total \_\_\_\_\_



**Electric Sample Form No. 79-1193**

Sheet 1

Agreement and Customer Authorization Net Energy Metering (NEM) Interconnection For Solar And/Or  
Wind Electric Generating Facilities Of 30 Kilowatts Or Less Paired  
with Energy Storage of 10 Kilowatts Or Less or Energy Storage with Power Control System Certification

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* April 29, 2022  
*Effective* April 29, 2022  
*Resolution* \_\_\_\_\_



# AGREEMENT AND CUSTOMER AUTHORIZATION

## Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification

**IMPORTANT NOTES:**

- Customers may not operate their Generating Facility while interconnected to the PG&E system until they receive written permission from PG&E.
- City and County of San Francisco (“CCSF”) owned generating facilities seeking Schedule NEMCCSF and participants in the Demand Response Programs below are not eligible to participate in NEM.
  - Scheduled Load Reduction Program (SLRP) ○ SmartRate
- Customers who participate in Direct Access and Community Choice Aggregation must contact their Energy Service Provider directly regarding their NEM program.

**Part I – Generating Facility Information and Responsible Parties**

**A. Customer and Generating Facility Information (\*as it appears on the PG&E bill):**

NEM 30 kilowatts or Less Paired with Energy Storage:  Single Account  Multiple Aggregated Accounts

Note: Net Energy Metering Aggregation (NEMA) is a program that allows customers with multiple meters to use the renewable energy generated at one meter (up to 1MW) to be credited against other meters that are located on parcel(s) that is/are contiguous or adjacent to the parcel that has the renewable generator. Energy Storage system must be 10 kilowatts or less.

Customer Sector (check only one):

|                                      |   |
|--------------------------------------|---|
| <input type="checkbox"/> Residential | <input type="checkbox"/> Educational      |
| <input type="checkbox"/> Commercial  | <input type="checkbox"/> Military         |
| <input type="checkbox"/> Industrial  | <input type="checkbox"/> Other Government |
| <input type="checkbox"/> Non-Profit  |   |

|  |                                 |               |
|--|---------------------------------|---------------|
| Account Holder Name* (Individual or Company) | Electric Service Agreement ID * | Meter Number* |
|--|---------------------------------|---------------|

CA

|                  |       |       |      |
|------------------|-------|-------|------|
| Service Address* | City* | State | Zip* |
|------------------|-------|-------|------|

|                       |  |
|-----------------------|--|
| Customer Phone Number | Email (if blank, Permission to Operate (PTO) letter will be mailed to mailing address on record) |
|-----------------------|--|

**B. Meter Access Issues** (if applicable, check all that apply and provide contact information to request access):

Meter in building or behind locked gate    
  Unrestrained animal at meter or AC Disconnect Switch    
  Other: \_\_\_\_\_

|   |               |
|---|---------------|
| Contact Name to Request Access (if access issues exist) | Contact Phone |
|---|---------------|



# AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification

**C. Authorized Contact Information** (required if Customer is authorizing a third party to act on Customer’s behalf):

|                      |                |
|----------------------|----------------|
| Company Name         | Contact Person |
| Contact Phone Number | Email          |

By checking this box and signing this Agreement, I (Customer) authorize PG&E to release my PG&E Electric Account information to the Company above limited to kilowatt hour (kWh) usage, operational characteristics, and other information related to my Generating Facility application. Company is also authorized to submit an Interconnection Request and act on my behalf with regard to the interconnection and receive copies of this executed Interconnection Agreement and the Permission to Operate Letter when issued.

**Part II – NEM Generator System Size**

**A. Interconnection Study and Requirements**

This Agreement covers the installed Generating Facility nameplate listed in the associated Interconnection Request. The interconnection study will use the nameplate to determine if Interconnection Facilities or Distribution or Network Upgrades are required and the responsible party for the associated costs. If upgrades are required, this will increase the time it will take for PG&E to approve your interconnection.

In order for PG&E to approve your system, you will need to provide (1) this signed Agreement, (2) a valid Interconnection Request, and (3) a copy of the final signed jurisdiction approval (building permit) for your project.

NEM systems should be sized with an estimated annual production no larger than 100% of the Customer’s total previous 12 months of usage (annual usage) and projected future increase. For customers on a Time-of-Use rate, sizing your system to offset 80%-85% of your average electricity usage could be an effective way to minimize your electricity bill. For customer who are not on a Time-of-Use rate, you might want to size your system larger (90-95% of your annual load), in order to minimize your electricity bill. Of course, individual circumstances may vary. Customers can obtain their usage data by following the instructions on [www.pge.com](http://www.pge.com) on the page titled “[Access, download, or share usage data](#).” System sizing eligibility will be reviewed using the criteria below.



# AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification

## B. Generator System Sizing

Please complete this section only if installing a new Solar or Wind system or modifying an existing Solar or Wind system. This section is not applicable if only adding energy storage to an existing previously interconnected Solar or Wind system.

The individual Solar CEC-AC KW and/or the Wind Turbine and/or Storage rating(s) calculated on the application cannot exceed 5% of the listed value(s) on this Agreement and Authorization.

Generator System Type:     Solar     Wind     Both

**Estimated Annual Production:**

(1) Solar CEC-AC rating<sup>A</sup>                      \_\_\_\_\_ (kW) X 1,500<sup>B</sup> = \_\_\_\_\_ (kWh)  
 AND/OR (2) Wind Nameplate rating                      \_\_\_\_\_ (kW) X 2,190<sup>C</sup> = \_\_\_\_\_ (kWh)  
 (3) Total Energy Production                      \_\_\_\_\_ (1) + (2) = \_\_\_\_\_ (kWh)

**Estimated Annual Energy Usage:**

(4) Recent annual usage                      \_\_\_\_\_ (kWh) X 1.0 = \_\_\_\_\_ (kWh)  
 OR (If 12 months usage not available) (5) Building size                      \_\_\_\_\_ (sq ft) X 3.00<sup>D</sup> = \_\_\_\_\_ (kWh)  
 AND (6) I plan to increase my annual usage (kWh) by                      \_\_\_\_\_ (kWh)  
 (7) Total Energy Usage                      (4 or 5) + (6) = \_\_\_\_\_ (kWh)

**Net Generation:**

(8) Production - Usage                      (3) – (7) = \_\_\_\_\_ (kWh)\*

\*Positive number indicates that the system is estimated to generate more than the estimated usage. Please refer to Part IV, Section J to read the provisions around Net Surplus Compensation (NSC).

**A Non-NEM Eligible Energy Storage System or an Energy Storage System with a Certified Power Control System (see Section R):**

Energy Storage System Rating \_\_\_\_\_ kW

Does the energy storage system share an inverter with the NEM system?     Yes     No

If not, please provide:

Energy Storage Inverter Rating \_\_\_\_\_ kW

<sup>A</sup> CEC-AC (kW) = California Energy Commission Alternating Current, refers to the inverter efficiency rating (Quantity of PV Modules x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)/1000  
<sup>B</sup> 8,760 hrs/yr x 0.17123 solar capacity factor = 1,500  
<sup>C</sup> 8,760 hrs/yr x 0.25 wind capacity factor = 2,190  
<sup>D</sup> 2 watts/ sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.17123 solar capacity factor = 3.00



# AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification

## Part III – Rate Selection

**A. Current Rate:** Please identify your existing rate by reviewing your PG&E energy statement or by calling the phone number listed below.

**Otherwise Applicable Rate Schedule (OAS) for NEM Account:** Select one rate from the category applicable to you. Visit [www.pge.com/rateoptions](http://www.pge.com/rateoptions) or call (800)-PGE-5000 for rate information.

- Stay on existing rate
- Requested new rate \_\_\_\_\_

If your current rate is a closed rate, as identified in Footnote F, and you are now opting to move to a non-closed rate per the Otherwise Applicable Rate Schedule (OAS) for NEM Account, please check the box below acknowledging that you are leaving the closed rate and will not be able to select the closed rate in the future.

- I acknowledge and consent to leaving my current rate that is a closed rate.

## Part IV – Interconnection Agreement Provisions

### A. Purpose

The purpose of this Net Energy Metering (NEM) Application and Interconnection Agreement for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Agreement) is to allow Customer to interconnect with Pacific Gas and Electric Company's (PG&E) Distribution System, subject to the provisions of this Agreement and PG&E's Electric Schedule Net Energy Metering (NEM). Customer has elected to interconnect and operate its solar and/or wind electric Generating Facility in parallel with PG&E's Distribution System to offset part or all of the Customer's own electrical requirements at this service point. Customer shall comply at all times with this Agreement as well as with all applicable laws, tariffs and requirements of the California Public Utilities Commission (CPUC).

### B. Applicability

This Agreement applies to Electric Schedule NEM Customer-Generators (Customer) who interconnect a solar and/or wind turbine electrical Generating Facility, or a hybrid system of both, with an aggregate capacity of 30 kilowatts or less that is located on Customer's premises and that operates in parallel with PG&E's Distribution System.

### C. NEM Transition

Customers receiving service on the current NEM tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier, are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedule NEM at [https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC\\_SCHEDS\\_NEM.pdf](https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf) for more details.

### D. Permission to Operate

Customer may not operate their generator while interconnected to the PG&E system until receiving written permission from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Customer may be liable.



# AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification

## E. Safety

Customer shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, PG&E's Electric Rule 21, and other rules approved by the CPUC regarding safety and reliability. A Customer with a solar or wind-turbine electrical generating system, or a hybrid system of both, that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

## F. Safe Operation of your Generating Facility

Notwithstanding any other provision of this Agreement, if at any time PG&E determines that the Customer's Facility, or its operation, may endanger (a) the public, (b) PG&E personnel, or (c) the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Customer's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

## G. AC Disconnect Switch

PG&E recommends that a customer installing an inverter-based generator consider also installing an AC Disconnect Switch to facilitate maintenance of the Customer's equipment (i.e. inverter, PV arrays, etc.). If an AC Disconnect Switch is not installed, the revenue meter may be temporarily removed by PG&E due to an emergency or maintenance on PG&E's system to isolate the Customer's generator from the electric distribution system. Removal of the revenue meter will result in loss of electrical service to the Customer's facility or residence. AC Disconnect Switch requirements are available in PG&E's Greenbook [www.pge.com/greenbook](http://www.pge.com/greenbook).

## H. Rate

Customer has confirmed their otherwise applicable rate schedule (OAS), establishing how Customer's monthly usage or net generation will be charged/credited when submitting this Agreement. Further Customer-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.

## I. NEM Billing

PG&E installs a "net meter" on a customer's property that measures the net energy, defined as the difference between the amount of electricity supplied by the energy service provider and the amount of electricity exported to the grid over the course of a month. The Customer's account is enrolled in the NEM program and put on an annual (12- billing months) true-up cycle.

The meter is read monthly and an amount is calculated based on the net energy recorded in kilowatt hours (kWh). If a customer exported more electricity than they drew from PG&E in a given billing cycle, the amount is deemed a surplus. If a customer received more electricity from PG&E than they exported, the amount is deemed a charge. The rate at which the charge or surplus is calculated is based on the customer's OAS which is requested by the Customer in this Agreement.

After 12 billing cycles, the corresponding charges and surpluses are reconciled in the annual true-up bill. Any remaining charges must be paid and any excess surpluses are typically zeroed out. More information about NEM billing is available at [www.pge.com/nembilling](http://www.pge.com/nembilling).



# AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification

## J. Net Surplus Compensation (NSC)

NSC payments are made to NEM customers who produce more electricity than they use during the Relevant Period. The payment rate is based on a rolling 12-month average of spot market prices and may fluctuate on a monthly basis. The historical range of the NSC rate at the time of this Advice Filing is approximately \$0.03 to \$0.04. A history of NSC rates is available at [www.pge.com/nembilling](http://www.pge.com/nembilling). If a customer would like to opt out from receiving this payment, please visit [www.pge.com/nsc](http://www.pge.com/nsc) and complete the [Request to Opt-Out \(Form 79-1130\)](#). Participants in NEMA, please see provisions in Form 79-1153.

## K. Limitation of Liability

PG&E's and Customer's (Individually Party or together Parties) liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

## L. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

## M. Governing Authority

This Agreement shall at all times be subject to such changes or modification by the CPUC as said Commission may, from time to time, direct in the exercise of its jurisdiction.

## N. Term of Agreement

This Agreement shall become effective as of the date of PG&E's issuance of the permission to operate letter after receipt of all applicable fees, required documents, and this completed Agreement. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Customer takes service with PG&E operating this approved generating facility. This new Customer will be interconnected subject to the terms and conditions as set forth in Schedule NEM.

## O. Meter Access

The electric meter must be installed in a safe location easily accessible upon PG&E request.

## P. Stale Agreements

If this agreement is still pending one year from the date it is received by PG&E and Customer has not met all of the requirements, PG&E will close this application and Customer will be required to submit a new Agreement and Application should Customer wish to take service on Schedule NEM.



# AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification

## Q. Smart Inverters

For Customer applications received on or after September 9, 2017, the Customer certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer's inverter. Customer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at <https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists>.

Verification of compliance with such requirements shall be provided by the Customer upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

- (a) it is already approved by PG&E for interconnection prior to September 9, 2017
- (b) the Customer has submitted the interconnection application prior to September 9, 2017,
- (c) the Customer provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application<sup>E</sup> no later than March 31, 2018, or
- (d) the Customer provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Customer replacing an "existing inverter" certifies it is being replaced with either:

- (i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or
- (ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

## R. Power Control System Certification

By signing below, customer confirms that Energy Storage over 10 kW has received UL 1741 CRD for Power Control Systems (PCS) certification that will comply with either No Grid Charge or No Storage Export as defined in Schedule NEM2.

<sup>E</sup> A complete application consists all of the following without deficiencies:

- 1. A completed Interconnection Application including all supporting documents and required payments
- 2. A completed signed Interconnection Agreement
- 3. Evidence of the Customer final inspection clearance from the governmental authority having jurisdiction over the generating system.



# AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification

**Part V – Signature**

**IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ THIS ENTIRE DOCUMENT BEFORE SIGNING – THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY.**

**THIS FORM MUST BE SIGNED BY AN EXISTING PG&E CUSTOMER.**

Under Pacific Gas and Electric Company’s (PG&E’s) privacy policies, which can be found at [www.pge.com/about/company/privacy/customer], PG&E generally does not sell or disclose personal information about you, such as your name, address, phone number, or electric account and billing information, to third parties unless you expressly authorize us to do so. The purpose of this form is to allow you, the customer, to exercise your right to choose whether to disclose your personal electricity usage data and other personal information to a third party. Once you authorize a third party to access personal information about you, you are responsible for ensuring that the third party safeguards the personal information from further disclosure without your consent.

As a condition of interconnection, pursuant to CPUC Decisions 14-11-001, 20-08-001, and 21-06-026, PG&E is required to provide certain data, including but not limited to confidential customer information, to the CPUC and its contractors, the California Department of Consumer Affairs Contractors State License Board, and the California Department of Financial Protection & Innovation (the “State Entities”).

By signing below, I declare under penalty of perjury under the laws of the State of California that:

- 1) The information provided in this Agreement is true and correct.
- 2) By completing the fields and checking the box in Part I Section C, I authorize the identified third party (Company) to receive my information and act on my behalf, which includes submitting or revising my Interconnection Application.
- 3) I authorize PG&E to release any and all information contained in this application, and addendum if applicable, for interconnection to the State Entities identified in this Part V without further notification or consent.
- 4) I have completed and reviewed Part II to determine if my system is sized to meet no more than my projected energy usage.
- 5) I have read in its entirety and agree to all the terms and conditions in this Interconnection Agreement and agree to comply with PG&E’s Electric Rule 21.

\_\_\_\_\_  
(Print Customer Name as it appears on the PG&E Bill)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Print name and title of signee, applicable if customer is a Company)  
(e.g. John Doe, Manager)

\_\_\_\_\_  
(Date)



# **AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less: with Energy Storage of 10 Kilowatts or Less, or Energy Storage with Power Control System Certification**

Note: PG&E will accept electronic signatures that are verified by qualified Third Parties such as, Adobe EchoSign, e-SignLive, and DocuSign for this Agreement if the Agreement is completed in its entirety before signing.

To confirm project approval, the Customer should retain a copy of this signed agreement and a copy of the Permission to Operate (PTO) letter from PG&E authorizing the Customer to operate the Generating Facility after PG&E deems satisfactory compliance with all NEM requirements.



**Electric Sample Form No. 79-978-02**

Sheet 1

Interconnection Agreement for Net Energy Metering (NEM2) of Solar or  
Wind Electric Generating Facilities of 1,000 Kilowatts or Less, Other than Facilities of 30 Kilowatts or  
Less

**Please Refer to Attached  
Sample Form**



# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 kW OR LESS, OTHER THAN FACILITIES OF 30 kW OR LESS

This *Interconnection Agreement for Net Energy Metering (NEM2) of Solar or Wind Electric Generating Facilities of 1,000 kW or Less, Other Than Facilities of 30 kW or Less* (Agreement)<sup>1</sup> is entered into by and between \_\_\_\_\_ (Customer-Generator), and Pacific Gas and Electric Company (PG&E), a California Corporation. Customer-Generator and PG&E are sometimes also referred to in this Agreement jointly as “Parties” or individually as “Party.” In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

## 1. SCOPE AND PURPOSE

This Agreement provides for Customer-Generator to interconnect and operate a Generating Facility in parallel with PG&E’s Electric System to serve the electrical loads connected to the electric service agreement ID number that PG&E uses to interconnect Customer-Generator’s Generating Facility. Customer-Generator’s Generating Facility is intended primarily to offset part or all of the Customer-Generator’s own electrical requirements. Consistent with, and in order to effectuate, the provisions of Sections 2827, 2827.7 and 2827.8 of the California Public Utilities Code and PG&E’s electric rate Schedule NEM2 (NEM2), Parties enter into this Agreement. This Agreement applies to the Customer-Generator’s Generating Facilities identified below with the specified characteristics and generating capacity, and does not allow interconnection or operation of facilities different than those described.

## 2. SUMMARY AND DESCRIPTION OF CUSTOMER-GENERATOR’S GENERATING FACILITY AND DESIGNATION OF OTHERWISE-APPLICABLE RATE SCHEDULE

2.1 A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Customer-Generator’s Generating Facility and loads are interconnected with PG&E’s Electric System, is attached to and made a part of this Agreement. (This description is supplied by Customer-Generator as Appendix A).

2.2 Generating Facility identification number: \_\_\_\_\_ (Assigned by PG&E).

2.3 Customer-Generator’s electric service agreement ID number: \_\_\_\_\_ (Assigned by PG&E).

2.4 Name and address used by PG&E to locate the electric service agreement ID number used to interconnect the Generating Facility with PG&E’s Electric System:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/Zip Code: \_\_\_\_\_

<sup>1</sup> Additional forms are available on PG&E’s website at <http://www.pge.com/gen>.



# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 kW OR LESS, OTHER THAN FACILITIES OF 30 kW OR LESS

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- 2.5 The Gross Nameplate Rating of the Generating Facility is: \_\_\_\_\_ kW.
- 2.6 The Net Nameplate Rating of the Generating Facility is \_\_\_\_\_ kW.
- 2.7 Customer-Generator's otherwise-applicable rate schedule as of the execution of this Agreement \_\_\_\_\_.
- 2.8 The Generating Facility's expected date of Initial Operation is \_\_\_\_\_.  
The expected date of Initial Operation shall be within two years of the date of this Agreement.
- 2.9 Smart Inverters - For Customer-Generator applications received on or after September 9, 2017, the Customer-Generator certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings **and default settings**, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer-Generator's inverter. Customer-Generator further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer-Generator understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer-Generator will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar Inverter models and firmware versions that comply with Rule 21 Section Hh can be found at <https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists>.)

Verification of compliance with such requirements shall be provided by the Customer-Generator upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

- (a) it is already approved by PG&E for interconnection prior to September 9, 2017
- (b) the Customer-Generator has submitted the interconnection application prior to September 9, 2017,
- (c) the Customer-Generator provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application<sup>2</sup> no later than March 31, 2018, or

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<sup>2</sup> A complete application consists all of the following without deficiencies:

- 1. A completed Interconnection Application including all supporting documents and required payments,
- 2. A completed signed Interconnection Agreement,
- 3. Evidence of the Customer-Generator final inspection clearance from the governmental authority having jurisdiction over the generating system.



# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 KW OR LESS, OTHER THAN FACILITIES OF 30 KW OR LESS

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- (d) the Customer-Generator provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

**All “existing inverters” are not required to be Smart Inverters and are only subject to Section H of Rule 21.** Customer-Generator replacing an “existing inverter” certifies it is being replaced with either:

- (i) inverter equipment that complies with Section Hh of Rule 21, (encouraged);  
or
- (ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

### 3. DOCUMENTS INCLUDED AND DEFINED TERMS

- 3.1 This Agreement includes the following exhibits that are specifically incorporated herein and made a part of this Agreement.

Appendix A Description of Generating Facility and Single-Line Diagram (Supplied by Customer-Generator).

Appendix B A Copy of *PG&E’s Agreement for Installation or Allocation of Special Facilities* (Forms 79-255, 79-280, 79-702) or *Agreements to Perform Any Tariff Related Work (62-4527)*, if applicable (Formed by the Parties).

Appendix C NEM2 Load Aggregation Customer-Generator Declaration Warranting NEM2 Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel

In addition, PG&E Electric Tariff Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEM2, and Customer-Generator’s otherwise-applicable rate schedule, available at PG&E’s website at [www.pge.com](http://www.pge.com) or by request, are specifically incorporated herein and made part of this Agreement.

- 3.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E’s Electric Rule 21, Section C.

### 4. CUSTOMER BILLING AND PAYMENT

Customer-Generator initially selects Pacific Gas and Electric Company’s electric rate schedule referenced in Section 2.7 of this Agreement as its otherwise-applicable rate schedule. Customer-Generator understands that they will be billed according to the otherwise-applicable rate schedule and Schedule NEM2.



# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 KW OR LESS, OTHER THAN FACILITIES OF 30 KW OR LESS

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## 5. TERM AND TERMINATION

- 5.1 This Agreement shall become effective as of the last date entered in Section 18 below. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:
- (a) The Parties agree in writing to terminate the Agreement.
  - (b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service agreement ID number through which Customer-Generator's Generating Facility is interconnected to PG&E is closed or terminated.
  - (c) At 12:01 A.M. on the 61<sup>st</sup> day after Customer-Generator or PG&E provides written Notice pursuant to Section 11 below to the other Party of Customer-Generator's or PG&E's intent to terminate this Agreement.
- 5.2 Customer-Generator may elect to terminate this Agreement pursuant to the terms of Section 5.1(c) for any reason. PG&E may elect to terminate this Agreement pursuant to the terms of Section 5.1(c) for one or more of the following reasons:
- (a) A change in applicable rules, tariffs, or regulations, as approved or directed by the Commission, or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects PG&E's ability or obligation to perform PG&E's duties under this Agreement; or,
  - (b) Customer-Generator fails to take all corrective actions specified in PG&E's Notice that Customer-Generator's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,
  - (c) Customer-Generator abandons the Generating Facility. PG&E shall deem the Generating Facility to be abandoned if PG&E determines, in its sole opinion, the Generating Facility is nonoperational and Customer-Generator does not provide a substantive response to PG&E Notice of its intent to terminate this Agreement as a result of Customer-Generator's apparent abandonment of the Generating Facility affirming Customer-Generator's intent and ability to continue to operate the Generating Facility; or,
  - (d) Customer-Generator's Generating Facility ceases to meet all applicable safety and performance standards set out in Section 6.
- 5.3 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.
- 5.4 Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.



# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 KW OR LESS, OTHER THAN FACILITIES OF 30 KW OR LESS

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## 6. GENERATING FACILITY REQUIREMENTS

- 6.1 Customer-Generator's Generating Facility must meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the Commission regarding safety and reliability including Rule 21.
- 6.2 Customer-Generator shall: (a) maintain the Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Section 6.1, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and Interconnection Facilities. Customer-Generator shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Customer-Generator's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Customer-Generator's Generating Facility.
- 6.3 Customer-Generator shall not commence parallel operation of the Generating Facility until PG&E has provided express written approval. Such approval shall normally be provided no later than thirty (30) business days following PG&E's receipt of: (1) a completed *Generating Facility Interconnection Application for Non-Export or Certain Net Energy Metered Generating Facilities* (Form 79-974-02), including all supporting documents and payments as described in the Application; (2) a signed and completed *Interconnection Agreement for Net Energy Metering (NEM2) of Solar or Wind Electric Generating Facilities, Other Than Facilities of 30 KW or Less* (Form 79-978-02); and (3) a copy of the Customer-Generator's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility. Such approval shall not be unreasonably withheld. PG&E shall have the right to have representatives present at the Commissioning Test as defined in Rule 21. Customer-Generator shall notify PG&E at least five (5) business days prior to the initial testing.
- 6.4 In order to promote the safety and reliability of the customer Generating Facility, the Customer-Generator certifies that as a part of this interconnection request for NEM2, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.
- 6.5 Customer-Generator certifies as a part of this interconnection request for NEM2 that
- (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or
  - (ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.
- 6.6 Customers on this tariff must pay for the interconnection of their Generation Facilities as provided in Electric Rule 21, pursuant to Decision 16-01-044.



# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 KW OR LESS, OTHER THAN FACILITIES OF 30 KW OR LESS

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## 7. INTERCONNECTION FACILITIES

- 7.1 Customer-Generator and/or PG&E, as appropriate, shall provide Interconnection Facilities that adequately protect PG&E's Electric System, personnel, and other persons from damage or injury, which may be caused by the operation of Customer-Generator's Generating Facility.
- 7.2 Customer-Generator shall be solely responsible for the costs, design, purchase, construction, permitting, operation, and maintenance of the Interconnection Facilities that Customer-Generator owns.
- 7.3 If the provisions of PG&E's Electric Rule 21, or any other tariff or rule approved by the Commission, require PG&E to own and operate a portion of the Interconnection Facilities, Customer-Generator and PG&E shall promptly execute a Special Facilities Agreement that establishes and allocates responsibility for the design, installation, operation, maintenance, and ownership of the Interconnection Facilities. This Special Facilities Agreement shall be attached to and made a part of this Agreement as Appendix B.

## 8. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

## 9. INSURANCE

Customer-Generator Facility is required to comply with standards and rules set forth in Section 6 and provide the following for insurance policies in place.

Customer-Generator shall furnish the required certificates and all endorsements to PG&E prior to Parallel Operation.

The certificate shall provide thirty (30) calendar days' written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.

- 9.1 If at any time during this agreement the Customer-Generator fails to meet the requirements in Section 6 and is not self-insured under Section 9.3, the following insurance shall apply:

Customer-Generator shall procure and maintain a commercial general liability insurance policy at least as broad as the Insurance Services Office (ISO) commercial general liability coverage "occurrence" form; or, if Customer-Generator is an individual, then liability coverage with respect to premises and use at least as broad as the ISO homeowners' or personal liability Insurance occurrence policy form, or substitute, providing equivalent coverage no less than the following limits, based on generator size:

# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 kW OR LESS, OTHER THAN FACILITIES OF 30 kW OR LESS

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- (a) Two million dollars (\$2,000,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is greater than one hundred (100) kW; or
- (b) One million dollars (\$1,000,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; or
- (c) Five hundred thousand dollars (\$500,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is twenty (20) kW or less;
- (d) Two hundred thousand dollars (\$200,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is ten (10) kW or less and the Generating Facility is connected to an account receiving residential service from PG&E.

The insurance shall, by endorsement:

- (a) Add PG&E as an additional insured;
- (b) State that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by PG&E.
- (c) Contain a severability of interest clause or cross-liability clause.

9.2 If Customer-Generator's Generating Facility is connected to an account receiving residential service from PG&E and the requirement of Section 9.1 prevents Customer-Generator from obtaining the insurance required in this Section, then upon Customer-Generator's written Notice to PG&E in accordance with Section 11.1, the requirements of Section 9.1 may be waived.

9.3 Customer-Generator may self-insure with approval from PG&E. Evidence of an acceptable plan to self-insure, at least thirty (30) calendar days' prior to operations shall be submitted. Customer-Generators such as state agencies that self-insure under this section are exempt from Section 10.1.

If Customer-Generator ceases to self-insure to the level required hereunder, or if Customer-Generator is unable to provide continuing evidence of Customer-Generator's ability to self-insure, Customer-Generator agrees to immediately obtain the coverage required under agreement.

9.4 All required certificates, endorsements or letters of self-insurance shall be issued and submitted via email to the following:

Pacific Gas and Electric Company  
Attention: Electric Grid Interconnection – Contract Management  
P.O. Box 770000  
Mail Code N7L  
San Francisco, CA 94177  
Email: [EGIContractMgmt@pge.com](mailto:EGIContractMgmt@pge.com)



INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 KW OR LESS, OTHER THAN FACILITIES OF 30 KW OR LESS

10. INDEMNITY FOR FAILURE TO COMPLY WITH INSURANCE PROVISIONS

- 10.1 If Customer-Generator fails to comply with the insurance provisions of this Agreement, Customer-Generator shall, at its own cost, defend, save harmless and indemnify PG&E, its directors, officers, employees, agents, assignees, and successors in interest from and against any and all loss, liability, damage, claim, cost, charge, demand, or expense of any kind or nature (including attorney's fees and other costs of litigation) resulting from the death or injury to any person or damage to any property, including the personnel and property of the utility, to the extent that the utility would have been protected had Customer-Generator complied with all such insurance provisions. The inclusion of this Section 10.1 is not intended to create any expressed or implied right in Customer-Generator to elect not to provide any such required insurance.
10.2 The provisions of this Section 10 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any valid insurance policy.

11. NOTICES

- 11.1 Any written notice, demand, or request required or authorized in connection with this Agreement (Notice) shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the person specified below:

If to PG&E: Pacific Gas and Electric Company
Attention: Electric Grid Interconnection – Contract Management
P.O. Box 770000
Mail Code N7L
San Francisco, CA 94177
Email: EGContractMgmt@pge.com

If to Customer-Generator:

Customer-Generator Name: \_\_\_\_\_
Address: \_\_\_\_\_
City: \_\_\_\_\_
Phone: (\_\_\_\_) \_\_\_\_\_
FAX: (\_\_\_\_) \_\_\_\_\_

- 11.2 A Party may change its address for Notices at any time by providing the other Party notice of the change in accordance with Section 11.1.
11.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.



# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 KW OR LESS, OTHER THAN FACILITIES OF 30 KW OR LESS

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## 12. REVIEW OF RECORDS AND DATA

- 12.1 PG&E shall have the right to review and obtain copies of Customer-Generator's operations and maintenance records, logs, or other information such as Generating Facility availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Customer-Generator's Generating Facility or its interconnection to PG&E.
- 12.2 Customer-Generator authorizes to release to the California Energy Commission (CEC) information regarding Customer-Generator's facility, including customer name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.
- 12.3 As a condition of interconnection, pursuant to California Public Utilities Commission (CPUC) Decisions 14-11-001, 20-08-001, and 21-06-026, PG&E is required to provide certain data, including but not limited to confidential customer information, to the CPUC and its contractors, the California Department of Consumer Affairs Contractors State License Board, and the California Department of Financial Protection & Innovation (the "State Entities"). Customer-Generator authorizes PG&E to release any and all information contained in this application, and addendum if applicable, for interconnection to the State Entities without further notification or consent.

## 13. ASSIGNMENT

Customer-Generator shall not voluntarily assign its rights nor delegate its duties under this Agreement without PG&E's written consent. Any assignment or delegation Customer-Generator makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Customer-Generator's assignment of this Agreement.

## 14. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

## 15. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF PG&E's TARIFF SCHEDULES AND RULES

- 15.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.
- 15.2 This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.
- 15.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Tariff Schedules and Rules



INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 KW OR LESS, OTHER THAN FACILITIES OF 30 KW OR LESS

applicable to the electric service provided by PG&E, which Tariff Schedules and Rules are hereby incorporated into this Agreement by this reference.

15.4 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

16. AMENDMENT AND MODIFICATION

This Agreement can only be amended or modified by a writing signed by both Parties.

17. ENTIRE AGREEMENT

This Agreement, including any incorporated Tariff Schedules and Rules, contains the entire Agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated Tariff Schedules and Rules.

18. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

Signature lines for Customer Generator and Pacific Gas and Electric Company, including fields for Name, Signature, Print Name, Title, and Date.



INTERCONNECTION AGREEMENT FOR NET  
ENERGY METERING (NEM2) OF SOLAR OR  
WIND ELECTRIC GENERATING FACILITIES OF  
1,000 kW OR LESS, OTHER THAN FACILITIES  
OF 30 kW OR LESS

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APPENDIX A

DESCRIPTION OF GENERATING FACILITY  
AND SINGLE-LINE DIAGRAM

(Provided by Customer-Generator)



INTERCONNECTION AGREEMENT FOR NET  
ENERGY METERING (NEM2) OF SOLAR OR  
WIND ELECTRIC GENERATING FACILITIES OF  
1,000 kW OR LESS, OTHER THAN FACILITIES  
OF 30 kW OR LESS

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APPENDIX B (If Applicable)

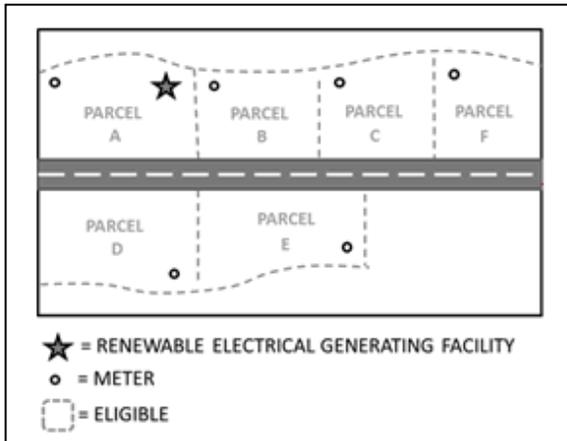
Any Rule 2 or Rule 21 Agreements for the Installation or  
Allocation of Special Facilities (Forms 79-255, 79-280, 79-702) or  
Agreements to Perform Any Tariff Related Work (62-4527)  
(Formed between the Parties)

# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 kW OR LESS, OTHER THAN FACILITIES OF 30 kW OR LESS

## Appendix C NEM LOAD AGGREGATION APPENDIX (If Applicable) Customer-Generator Declaration Warranting NEM2 Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel

In accordance with Schedule NEM2, I, Customer-Generator represent and warrant under penalty of perjury that:

- 1) The total annual output in kWh of the generator is less than or equal to 100% of the annual aggregated electrical load in kWh of the meters within the arrangement, including the load on the generating account itself (before being offset by the generator), and including any estimated future additional load; and
- 2) Each of the aggregated account meters associated with this NEM2 generator account are located either:
  - (i) on the property where the renewable electrical generation facility is located, or
  - (ii) are located within an unbroken chain of contiguous parcels that are all solely owned, leased or rented by the customer-generator. For purposes of Load Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels that are all solely owned leased or rented by the customer-generator.



For example, assume there are five parcels (A, B, C, D, E, and F) that form a cluster of contiguous parcels and D and E are separated from A, B, C and F by a street, highway, or public thoroughfare. For the purposes of participating in Load Aggregation, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the customer-generator. Refer to the diagram at left (for illustrative purposes only.)

- 3) PG&E reserves the right to request a parcel map to confirm the property meets the requirements of 2) above; and
- 4) Customer-Generator agrees to notify PG&E if there is any change of status that makes any of the participating meters ineligible for meter aggregation to ensure that only eligible meters are participating; PG&E will require an updated Appendix and Declaration form; and
- 5) Upon request by PG&E, I agree to provide documentation that all aggregated meters meet the requirements of Rate Schedule NEM2 Special Condition 6 including but not limited to parcel maps and ownership records.

\_\_\_\_\_ *Customer Generator's Name*

\_\_\_\_\_ *Signature*

\_\_\_\_\_ *Date*

\_\_\_\_\_ *Type/Print Name*

\_\_\_\_\_ *Title*



**ELECTRIC SCHEDULE A-10**  
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 4

APPLICABILITY  
(CONT'D):

RATES: Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

All customers taking non TOU service under this rate schedule shall be subject to the rates set forth in Table A. All customers taking TOU service under this rate schedule shall be subject to the rates set forth in Table B.

RATES: Standard Non-Time-of-Use Rate

Table A

|  | <b>TOTAL RATES</b> |                 |                      | (T) |
|--|--------------------|-----------------|----------------------|-----|
|  | Secondary Voltage  | Primary Voltage | Transmission Voltage |     |
| <u>Total Customer Charge Rates</u>     |                    |                 |                      |     |
| Customer Charge (\$ per meter per day) | \$5.91042          | \$5.91042       | \$5.91042            |     |
| <u>Total Demand Rates (\$ per kW)</u>  |                    |                 |                      |     |
| Summer                                 | \$18.45            | \$18.14         | \$12.98              |     |
| Winter                                 | \$18.45            | \$18.14         | \$12.98              |     |
| <u>Total Energy Rates (\$ per kWh)</u> |                    |                 |                      |     |
| Summer                                 | \$0.23368          | \$0.21700       | \$0.16265            |     |
| Winter                                 | \$0.19607          | \$0.18178       | \$0.14553            |     |

(Continued)



**ELECTRIC SCHEDULE A-10**  
**MEDIUM GENERAL DEMAND-METERED SERVICE**

Sheet 5

RATES: Standard Non-Time-of-Use Rates

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

**Table A (Cont'd.)**

**UNBUNDLING OF TOTAL RATES**

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component. (T)

| <u>Demand Rate by Components (\$ per kW)</u>      | <u>Secondary Voltage</u> | <u>Primary Voltage</u> | <u>Transmission Voltage</u> |
|---|--------------------------|------------------------|-----------------------------|
| <b>Generation:</b>                                |                          |                        |                             |
| Summer  | \$0.00                   | \$0.00                 | \$0.00                      |
| Winter  | \$0.00                   | \$0.00                 | \$0.00                      |
| <b>Distribution**:</b>                            |                          |                        |                             |
| Summer  | \$7.39                   | \$7.08                 | \$1.92                      |
| Winter  | \$7.39                   | \$7.08                 | \$1.92                      |
| <b>Transmission Maximum Demand*</b>               | \$11.03                  | \$11.03                | \$11.03                     |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03                   | \$0.03                 | \$0.03                      |
| <u>Energy Rate by Components (\$ per kWh)</u>     |                          |                        |                             |
| <b>Generation:</b>                                |                          |                        |                             |
| Summer  | \$0.16657                | \$0.15019              | \$0.13010                   |
| Winter  | \$0.14481                | \$0.13136              | \$0.11298                   |
| <b>Distribution**:</b>                            |                          |                        |                             |
| Summer  | \$0.04412                | \$0.04420              | \$0.01057                   |
| Winter  | \$0.02827                | \$0.02781              | \$0.01057                   |
| <b>Transmission Rate Adjustments* (all usage)</b> | \$0.00167                | \$0.00167              | \$0.00167                   |
| <b>Public Purpose Programs (all usage)</b>        | \$0.01785                | \$0.01758              | \$0.01724                   |
| <b>Nuclear Decommissioning (all usage)</b>        | (\$0.00013)              | (\$0.00013)            | (\$0.00013)                 |
| <b>Competition Transition Charges (all usage)</b> | \$0.00024                | \$0.00024              | \$0.00024                   |
| <b>Energy Cost Recovery Amount (all usage)</b>    | (\$0.00429)              | (\$0.00429)            | (\$0.00429)                 |
| <b>Wildfire Fund Charge (all usage)</b>           | \$0.00459                | \$0.00459              | \$0.00459                   |
| <b>New System Generation Charge (all usage)**</b> | \$0.00186                | \$0.00186              | \$0.00186                   |
| <b>California Climate Credit (all usage)***</b>   | \$0.00000                | \$0.00000              | \$0.00000                   |
| <b>Wildfire Hardening Charge (all usage)</b>      | \$0.00120                | \$0.00109              | \$0.00080                   |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.  
 \*\* Distribution and New System Generation Charges are combined for presentation on customer bills.  
 \*\*\* Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



**ELECTRIC SCHEDULE A-10**  
**MEDIUM GENERAL DEMAND-METERED SERVICE**

Sheet 6

RATES: Time-of-Use Rates for Optional or Real-Time Metering Customers

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

Table B

|  | <b>TOTAL RATES</b>       |                        |                             |     |
|--|--------------------------|------------------------|-----------------------------|-----|
|  | <u>Secondary Voltage</u> | <u>Primary Voltage</u> | <u>Transmission Voltage</u> |     |
| <u>Total Customer Charge Rates</u>         |                          |                        |                             | (T) |
| Customer Charge (\$ per meter per day)     | \$5.91042                | \$5.91042              | \$5.91042                   |     |
| <br><u>Total Demand Rates (\$ per kW)</u>  |                          |                        |                             |     |
| Summer                                     | \$18.45                  | \$18.14                | \$12.98                     |     |
| Winter                                     | \$18.45                  | \$18.14                | \$12.98                     |     |
| <br><u>Total Energy Rates (\$ per kWh)</u> |                          |                        |                             |     |
| Peak Summer                                | \$0.24715                | \$0.23090              | \$0.17780                   |     |
| Part-Peak Summer                           | \$0.24715                | \$0.23090              | \$0.17780                   |     |
| Off-Peak Summer                            | \$0.22037                | \$0.20558              | \$0.15315                   |     |
| Part-Peak Winter                           | \$0.19668                | \$0.18178              | \$0.14592                   |     |
| Off-Peak Winter                            | \$0.19597                | \$0.18111              | \$0.14526                   |     |

(Continued)

Advice 6576-E  
Decision

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted April 29, 2022  
Effective April 29, 2022  
Resolution



**ELECTRIC SCHEDULE A-10**  
**MEDIUM GENERAL DEMAND-METERED SERVICE**

Sheet 7

RATES: Time-of-Use Rates for Optional or Real-Time Metering Customers

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

Table B (Cont'd.)

**UNBUNDLING OF TOTAL RATES**

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component. (T)

|   | Secondary<br>Voltage | Primary<br>Voltage | Transmission<br>Voltage |
|---|----------------------|--------------------|-------------------------|
| <u>Demand Rate by Components (\$ per kW)</u>      |                      |                    |                         |
| <b>Generation:</b>                                |                      |                    |                         |
| Summer  | \$0.00               | \$0.00             | \$0.00                  |
| Winter  | \$0.00               | \$0.00             | \$0.00                  |
| <b>Distribution**:</b>                            |                      |                    |                         |
| Summer  | \$7.39               | \$7.08             | \$1.92                  |
| Winter  | \$7.39               | \$7.08             | \$1.92                  |
| <b>Transmission Maximum Demand*</b>               | \$11.03              | \$11.03            | \$11.03                 |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03               | \$0.03             | \$0.03                  |
| <u>Energy Rate by Components (\$ per kWh)</u>     |                      |                    |                         |
| <b>Generation:</b>                                |                      |                    |                         |
| Peak Summer                                       | \$0.18004            | \$0.16409          | \$0.14525               |
| Part-Peak Summer                                  | \$0.18004            | \$0.16409          | \$0.14525               |
| Off-Peak Summer                                   | \$0.15326            | \$0.13877          | \$0.12060               |
| Part-Peak Winter                                  | \$0.14542            | \$0.13136          | \$0.11337               |
| Off-Peak Winter                                   | \$0.14471            | \$0.13069          | \$0.11271               |
| <b>Distribution**:</b>                            |                      |                    |                         |
| Summer  | \$0.04412            | \$0.04420          | \$0.01057               |
| Winter  | \$0.02827            | \$0.02781          | \$0.01057               |
| <b>Transmission Rate Adjustments*</b> (all usage) | \$0.00167            | \$0.00167          | \$0.00167               |
| <b>Public Purpose Programs</b> (all usage)        | \$0.01785            | \$0.01758          | \$0.01724               |
| <b>Competition Transition Charge</b> (all usage)  | \$0.00024            | \$0.00024          | \$0.00024               |
| <b>Energy Cost Recovery Amount</b> (all usage)    | (\$0.00429)          | (\$0.00429)        | (\$0.00429)             |
| <b>Nuclear Decommissioning</b> (all usage)        | (\$0.00013)          | (\$0.00013)        | (\$0.00013)             |
| <b>Wildfire Fund Charge</b> (all usage)           | \$0.00459            | \$0.00459          | \$0.00459               |
| <b>New System Generation Charge</b> (all usage)** | \$0.00186            | \$0.00186          | \$0.00186               |
| <b>California Climate Credit</b> (all usage)***   | \$0.00000            | \$0.00000          | \$0.00000               |
| <b>Wildfire Hardening Charge</b> (all usage)      | \$0.00120            | \$0.00109          | \$0.00080               |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

\*\*\* Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 4

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

| <u>Total Customer Charge Rates</u>                                    | <u>Rate AG-A1</u> | <u>Rate AG-A2</u> | <u>Rate AG-B</u> | <u>Rate AG-C</u> | (T) |
|---|-------------------|-------------------|------------------|------------------|-----|
| <b>Customer Charge</b><br>(\$ per meter per day)                      | \$0.68895         | \$0.68895         | \$0.91565        | \$1.43343        |     |
| <b><u>Total Demand Rates (\$ per kW)</u></b>                          |                   |                   |                  |                  |     |
| <u>Secondary Voltage</u>  |                   |                   |                  |                  |     |
| Maximum Peak Demand Summer  | —                 | —                 | —                | \$22.36          |     |
| Maximum Demand Summer   | \$7.15            | \$13.06           | \$7.07           | \$12.69          |     |
| Maximum Demand Winter   | \$7.15            | \$13.06           | \$7.07           | \$12.69          |     |
| <u>Primary Voltage</u>  |                   |                   |                  |                  |     |
| Maximum Peak Demand Summer  | —                 | —                 | —                | \$22.36          |     |
| Maximum Demand Summer   | —                 | —                 | \$6.11           | \$11.36          |     |
| Maximum Demand Winter   | —                 | —                 | \$6.11           | \$11.36          |     |
| <u>Transmission Voltage</u>   |                   |                   |                  |                  |     |
| Maximum Peak Demand Summer  | —                 | —                 | —                | \$22.36          |     |
| Maximum Demand Summer   | —                 | —                 | \$2.37           | \$3.28           |     |
| Maximum Demand Winter   | —                 | —                 | \$2.37           | \$3.28           |     |
| <b><u>Total Energy Rates (\$ per kWh)</u></b>                         |                   |                   |                  |                  |     |
| Peak Summer   | \$0.45493         | \$0.38462         | \$0.44442        | \$0.20801        |     |
| Off-Peak Summer   | \$0.28899         | \$0.21869         | \$0.27157        | \$0.16857        |     |
| Peak Winter   | \$0.27862         | \$0.22558         | \$0.26750        | \$0.18022        |     |
| Off-Peak Winter   | \$0.24933         | \$0.19629         | \$0.23824        | \$0.15453        |     |
| <b><u>Demand Charge Rate Limiter</u></b>                              |                   |                   |                  |                  |     |
| (\$/kWh in all months, see Demand Charge Rate Limiter section)        | —                 | —                 | —                | \$0.50           |     |
| <b><u>PDP Rates (Consecutive Day and Five-Hour Event Option)*</u></b> |                   |                   |                  |                  |     |
| <u>PDP Charges (\$ per kWh)</u>                                       |                   |                   |                  |                  |     |
| All Usage During PDP Event  | \$0.60            | \$0.60            | \$0.60           | \$0.70           |     |
| <u>PDP Credits</u>  |                   |                   |                  |                  |     |
| <u>Demand (\$ per kW)</u>   |                   |                   |                  |                  |     |
| Peak Summer   | —                 | -                 | —                | (\$3.59)         |     |
| <u>Energy (\$ per kWh)</u>  |                   |                   |                  |                  |     |
| Peak Summer   | (\$0.08997)       | (\$0.08913)       | (\$0.10121)      | -                |     |

\* See PDP Detail, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

(Continued)

Advice 6576-E  
Decision

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted  
Effective  
Resolution

April 29, 2022  
April 29, 2022



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 5

3. RATES: Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.  
(Cont'd.)

**UNBUNDLING OF TOTAL RATES**

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component. (T)

| <u>Demand Charges by Component (\$/kW)</u> | <u>Rate AG-A1</u> | <u>Rate AG-A2</u> | <u>Rate AG-B</u> | <u>Rate AG-C</u> |
|--|-------------------|-------------------|------------------|------------------|
| <b>Generation:</b>                         |                   |                   |                  |                  |
| Maximum Peak Demand Summer                 | —                 | —                 | —                | \$15.38          |
| <b>Distribution**:</b>                     |                   |                   |                  |                  |
| <u>Secondary Voltage</u>                   |                   |                   |                  |                  |
| Maximum Peak Demand Summer                 | —                 | —                 | —                | \$6.98           |
| Maximum Demand Summer                      | \$7.15            | \$13.06           | \$7.07           | \$12.69          |
| Maximum Demand Winter                      | \$7.15            | \$13.06           | \$7.07           | \$12.69          |
| <u>Primary</u>                             |                   |                   |                  |                  |
| Maximum Peak Demand Summer                 | —                 | —                 | —                | \$6.98           |
| Maximum Demand Summer                      | —                 | —                 | \$6.11           | \$11.36          |
| Maximum Demand Winter                      | —                 | —                 | \$6.11           | \$11.36          |
| <u>Transmission</u>                        |                   |                   |                  |                  |
| Maximum Peak Demand Summer                 | —                 | —                 | —                | \$6.98           |
| Maximum Demand Summer                      | —                 | —                 | \$2.37           | \$3.28           |
| Maximum Demand Winter                      | —                 | —                 | \$2.37           | \$3.28           |

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)





**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 10

11. DEFINITION OF SERVICE VOLTAGE: The following defines the three voltage classes of Schedule AG rates. Standard Service Voltages are listed in Rule 2, Section B.1. (T)

- a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.
- b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.
- c. Transmission: This is the voltage class if the customer is served without transformation from PG&E's serving transmission system at one of the standard transmission voltages specified in PG&E's Rule 2, Section B.1.

PG&E retains the right to change its line voltage at any time. Customers receiving voltage discounts will get reasonable notice of any impending change. They will then have the option of taking service at the new voltage (and making whatever changes in their systems are necessary) or taking service without a voltage discount through transformers supplied by PG&E.

12. BILLING: A customer's bill is calculated based on the option applicable to the customer. (T)

**Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule. Total generation charges for bundled customers include charges for the latest vintage Power Charge Indifference Adjustment shown in the Direct Access and Community Choice Aggregation section below. (T)  
(T)

**Transitional Bundled Service Customers** take transitional bundled service as prescribed in Rules 22.1 and 23.1 or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

(Continued)



**ELECTRIC SCHEDULE AG**  
TIME-OF-USE AGRICULTURAL POWER

Sheet 11

12.BILLING:  
(Cont'd)

**Direct Access (DA) and Community Choice Aggregation (CCA) Customers**

(T)

purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

|  | <u>DA / CCA CRS</u> |
|--|---------------------|
| Energy Cost Recovery Amount Charge (per kWh)   | (\$0.00429)         |
| Wildfire Fund Charge (per kWh)                 | \$0.00459           |
| CTC Charge (per kWh)                           | \$0.00021           |
| Power Charge Indifference Adjustment (per kWh) |                     |
| 2009 Vintage                                   | \$0.01181           |
| 2010 Vintage                                   | \$0.01594           |
| 2011 Vintage                                   | \$0.01726           |
| 2012 Vintage                                   | \$0.01853           |
| 2013 Vintage                                   | \$0.01789           |
| 2014 Vintage                                   | \$0.01784           |
| 2015 Vintage                                   | \$0.01755           |
| 2016 Vintage                                   | \$0.01790           |
| 2017 Vintage                                   | \$0.01761           |
| 2018 Vintage                                   | \$0.01742           |
| 2019 Vintage                                   | \$0.01756           |
| 2020 Vintage                                   | \$0.01230           |
| 2021 Vintage                                   | \$0.02283           |
| 2022 Vintage                                   | \$0.02283           |

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 12

13. STANDBY SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar (T)  
APPLICABILITY: generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take time-of-use service to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

14. WILDFIRE FUND CHARGE (T)  
The Wildfire Fund Charge was imposed by California Public Utilities Commission Decisions 19-10-056, 20-07-014, 20-09-005, and 20-09-023 and is property of Department of Water Resources (DWR) for all purposes under California law. The Charge became effective October 1, 2020, and applies to all retail sales, excluding CARE and Medical Baseline sales. The Wildfire Fund Charge (where applicable) is included in customers' total billed amounts. The Wildfire Fund Charge replaces the DWR Bond Charge imposed by California Public Utilities Commission Decisions 02-10-063 and 02-12-082.

15. OPTIMAL BILLING PERIOD SERVICE: (T)  
The Optimal Billing Period (OBP) service is a voluntary program available to bundled, direct access and community choice aggregation customers taking service on Rate AG-C under Schedule AG, Schedule E-19 or Schedule E-20. To qualify, a meter must have registered a demand of 500 kW or greater at least once during the most recent 12 months. The OBP service is limited to 50 service accounts with interval billed meters.

Customers electing this service must complete the "Optimal Billing Period Service Election Form" (Form 79-1111).

Decision 18-08-013 expanded the eligibility of OBP to Schedule E-19 (above 500 kW as defined above), Schedule E-20, and to direct access and community choice aggregation customers taking service on eligible schedules. Decision 18-08-013 retained the participation cap of 50 positions, and reserved 36 positions for agricultural accounts, and 14 positions for commercial and industrial accounts. Before declining participation of any otherwise eligible account based on these participation limits, PG&E will verify that all other enrolled accounts are still eligible for the program.

Customers on net energy metering Schedules VNEM, NEMBIO, NEMFC, NEMCCSF, NEMA or RES-BCT are not eligible for OBP service.

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 13

15.OPTIMAL BILLING PERIOD SERVICE: (Cont'd)

The OBP service allows a billing cycle(s) to coincide with the customer's high seasonal production cycle. The customer designates the OBP by selecting one or both of the following:

(T)

- a) a specific month and day for the start of the OBP; and/or
- b) a specific month and day for the end of the OBP.

PG&E will use the customer's usage from the preceding twelve (12) billing months to determine eligibility for the OBP service. To qualify, the average of the previous high season monthly maximum demand must be at least double the average of the low season monthly maximum demand. The customer must also specify which six consecutive months will be their high season optimal billing period.

The start and end dates must fall within the customer's high seasonal production cycle. In no event shall any revised billing period exceed forty-five (45) days or be less than fifteen (15) days. To qualify for this option, the customer must designate an OBP of not more than six (6) months in duration.

To designate the specific date for the start or end of the OBP, a participating customer must email PG&E at least seventy-two (72) hours in advance and such email shall state in its subject line "OBP Notification." The designation may not be implemented if it is not received or if it does not contain the specified information.

Prior to receiving OBP service, the customer must pay an annual OBP fee of \$160.00 per meter. In order to retain the OBP service option in each subsequent year, the annual participation fee must be received by PG&E by the anniversary date of the contract. PG&E will bill the annual OBP fee upon the anniversary date of the contract unless the customer terminates the contract. For billing purposes, the annual participation fee shall be assigned to Distribution.

**A. No Retroactive Application**

No customer shall be entitled to a refund associated with the OBP service for costs that might have been avoided had the service been available at an earlier point in time.

**B. Customer Notification to PG&E**

A customer must have at least 12 months of usage on a specific meter before the OBP service can be received on that particular meter. Also, a customer must provide notice to PG&E of their intention to obtain OBP service at least ninety (90) days before the start of the program.



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 14

16. PEAK DAY PRICING

- a. **Default Provision:** The default of eligible customers to PDP will occur once per year with the start of their billing cycle after March 1. Eligible customers will have at least 45-days notice prior to their planned default date when they may opt-out of PDP rates to take service on TOU rates. During the 45-day period, customers will continue to take service on their non-PDP rate. Customers may elect any applicable PDP rate. However, if the customers taking service on this schedule have not made that choice or elected to opt-out to a TOU rate at least five (5) days before their proposed default date, their service will be defaulted to the PDP version of this rate schedule on their default date. (T)

In March 2022, customers who are enrolled in the version of PDP with 5 pm – 8 pm PDP Event Hours (5 to 8 PDP) will be transitioned to a version of PDP with 4 pm – 9 pm PDP Event Hours (4 to 9 PDP).

Starting in March 2022, 5 to 8 PDP will be discontinued, and only 4 to 9 PDP will be available with the AG schedule on the new rates with later TOU hours.

Bundled service Net Energy Metering (NEM) customers taking service on Schedule NEM, NEMV, NEMVMASH, NEM2, NEM2V, or NEM2VMASH are eligible for default to PDP and to opt-in to PDP. NEM customers on NEMBIO, NEMFC, NEMCCSF, and NEMA are not eligible for PDP. The NEM Annual True-Up billing date, and the first year PDP Bill Stabilization date in section b below, may be independent 12-month periods. After the first year on PDP, NEM credits can offset PDP charges. PDP credits and charges will be provided for exported generation. All PDP billing for NEM customers will be based on net usage during each 15-minute interval.

- b. **Capacity Reservation Level:** Customers on the AG-C rate may elect a capacity reservation level (CRL) and pay for a fixed level of capacity, specified in kW. While the CRL is applicable year round, customers electing a CRL will be billed on a take-or-pay basis up to the specified CRL under the non-PDP rate of this schedule during the summer period (June 1 through September 30). This means that customers will be billed for summer peak generation demand charges up to the level of their CRL, even in summer months when the actual demand might be less than their CRL. Customers will receive PDP credits on summer usage above the CRL on all summer-period days. All usage during a PDP event protected under the CRL will be billed at the non-PDP rate. All usage above the CRL (as measured in 15-minute intervals), and not protected during a PDP event, will be billed at the PDP rate. If a customer fails to elect an initial CRL, the customer's initial CRL will be set at 50% of its most recent full summer season average peak-period maximum demand and may go back to the previous year to make a full summer season (if available). If the customer has not established any historic summer billing demand, the CRL will be set at zero (0). The CRL for all customers, including NEM customers, must be greater than or equal to zero (0). A customer may only elect to change their CRL once every 12 months.
- c. **Bill Stabilization:** PDP customers will be offered bill stabilization for the initial twelve (12) months unless they opt-out during their initial 45-day period. Bill stabilization ensures that during the initial 12 months under PDP, the customer will not pay more than it would have had it opted-out to the applicable TOU rate.

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 15

16. PEAK DAY  
PRICING  
(Cont'd.):

c. **Bill Stabilization** (Cont'd.):

(T)

If a customer terminates its participation on the PDP rate prior to the initial 12 month period expiring, the customer will receive bill stabilization up to the date when the customer terminates its participation. Bill stabilization benefits will be computed on a cumulative basis, based on the earlier of 1) when a customer terminates its participation on the PDP rate or 2) at the end of the initial 12-month period. Any applicable credits will be applied to the customer's account on a subsequent regular bill. Bill stabilization is only available one time per customer. If a customer un-enrolls or terminates its participation on a PDP rate, bill stabilization will not be offered again.

Active 5 to 8 PDP customers who have not completed 12-months of bill stabilization by the time they are transitioned to 4 to 9 PDP in their March 2022 billing cycle will seamlessly continue with their bill stabilization under 4 to 9 PDP until 12-months have elapsed since their initial enrollment in 5 to 8 PDP, or until they optionally unenroll from 4 to 9 PDP before 12-months.

5 to 8 PDP customers who have already received 12-months of bill stabilization, will not receive bill stabilization for a second time when they are transitioned to 4 to 9 PDP.

d. **Notification Equipment:** At the customer's option and expense, it is recommended, but not required that a customer provide a phone number or an e-mail address to receive automated voice, text, or email notification messages of a PDP event from PG&E.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

e. **PG&E website.** This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your Account" website may be different from the actual bill.

f. **Program Operations:** A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 4:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

PG&E may conduct outreach/notification by any available channel (direct mail, phone call, email and/or text) for PDP customers.

(Continued)



**ELECTRIC SCHEDULE AG  
TIME-OF-USE AGRICULTURAL POWER**

Sheet 16

16. PEAK DAY PRICING (Cont'd.):

- g. **Event Cancellation or Reduction:** PG&E may initiate the cancellation of a PDP event before 5:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits. PG&E may also cancel PDP events by 5:00 p.m. on a day-ahead basis or on the Event Day itself in response to an emergency situation, such as a proclamation of a state of emergency and/or disaster by a local, state and/or federal government. (T)
- h. **Program Options:** Customers on Schedules AG-A1, AG-A2 or AG-B may customize their PDP participation by choosing either a) no limit on the number of consecutive PDP events or b) every other PDP event. Customers electing every other PDP event will be divided into two groups and only be subject to a maximum of one-half of the PDP events called and the corresponding PDP rate credits will be reduced by 50%. Customers that do not elect an option will be defaulted to the no limit on the number of consecutive PDP events. The duration of PDP Event Operations for both options will be from p.m.4:00 p.m. to 9:00 p.m. (five-hour window).
- i. **Event Trigger:** PG&E will trigger a PDP event when the day-ahead temperature forecast trigger is reached. The trigger will be the average of the day-ahead maximum temperature forecasts for San Jose, Concord, Red Bluff, Sacramento and Fresno.  
  
Beginning June 1 of each summer season, the PDP events on non-holiday weekdays will be triggered at 98 degrees Fahrenheit (°F), and will be triggered at 105°F on holidays and weekends. If needed, PG&E will adjust the non-holiday weekday trigger up or down over the course of the summer to achieve the range of 9 to 15 PDP events in any calendar year. Such adjustments would be made no more than twice per month and would be posted on PG&E's PDP Website.  
  
PDP events may also be initiated as warranted on a day-ahead basis by 1) extreme system conditions such as special alerts issued by the California Independent System Operator, 2) under conditions of high forecasted California spot market power prices, 3) to meet annual PDP event limits for a calendar year, or 4) for testing/evaluation purposes.
- j. **Program Terms:** A customer may opt-out anytime during its initial 12 months on a PDP rate. After the initial 12 months, customer's participation will be in accordance with Electric Rule 12.  
  
Customers may opt-out of a PDP rate at anytime to enroll in another demand response program beginning May 1, 2011.
- k. **Interaction with Other PG&E Demand Response Programs:** Pursuant to D.18-11-029, customers on a PDP rate may no longer participate in another demand response program offered by PG&E or a third-party demand response provider as of October 26, 2018. If dual enrolled in BIP and PDP prior to October 26, 2018 then participation will be capped at the customer's subscribed megawatt level as of December 10, 2018. New dual enrollment in BIP and PDP as of October 26, 2018 is no longer available. If a NEM customer is on PDP, the customer cannot participate in a third-party Demand Response program unless it ceases to be a PDP customer. If a third-party signs a NEM customer up under Rule 24 at the CAISO, the customer is automatically removed from PDP.



**ELECTRIC SCHEDULE AG-F**  
FLEXIBLE OFF-PEAK TIME-OF-USE AGRICULTURAL POWER

Sheet 5

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

| <u>Total Customer Charge Rates</u>            | <u>Rate A</u> | <u>Rate B</u> | <u>Rate C</u> | (T) |
|---|---------------|---------------|---------------|-----|
| <b>Customer Charge</b> (\$ per meter per day) | \$0.68895     | \$0.91565     | \$1.43343     |     |
| <b>Total Demand Rates</b> (\$ per kW)         |               |               |               |     |
| <u>Secondary Voltage</u>                      |               |               |               |     |
| Maximum Peak Demand Summer                    | —             | —             | \$22.36       |     |
| Maximum Demand Summer                         | \$7.15        | \$7.07        | \$12.69       |     |
| Maximum Demand Winter                         | \$7.15        | \$7.07        | \$12.69       |     |
| <u>Primary Voltage</u>                        |               |               |               |     |
| Maximum Peak Demand Summer                    | —             | —             | \$22.36       |     |
| Maximum Demand Summer                         | —             | \$6.11        | \$11.36       |     |
| Maximum Demand Winter                         | —             | \$6.11        | \$11.36       |     |
| <u>Transmission Voltage</u>                   |               |               |               |     |
| Maximum Peak Demand Summer                    | —             | —             | \$22.36       |     |
| Maximum Demand Summer                         | —             | \$2.37        | \$3.28        |     |
| Maximum Demand Winter                         | —             | \$2.37        | \$3.28        |     |
| <b>Total Energy Rates</b> (\$ per kWh)        |               |               |               |     |
| Peak Summer                                   | \$0.49517     | \$0.46696     | \$0.23994     |     |
| Off-Peak Summer                               | \$0.29156     | \$0.27613     | \$0.19521     |     |
| Peak Winter                                   | \$0.32607     | \$0.30402     | \$0.20891     |     |
| Off-Peak Winter                               | \$0.24565     | \$0.23569     | \$0.18096     |     |

(Continued)



**ELECTRIC SCHEDULE AG-F**  
FLEXIBLE OFF-PEAK TIME-OF-USE AGRICULTURAL POWER

Sheet 6

3. RATES: Total bundled service charges shown on customers' bills are unbundled according (Cont'd.) to the component rates shown below.

**UNBUNDLING OF TOTAL RATES**

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component. (T)

| <b>Demand Charge by Component (\$/kW)</b> | <b>Rate A</b> | <b>Rate B</b> | <b>Rate C</b> |
|---|---------------|---------------|---------------|
| <b><u>Generation:</u></b>                 |               |               |               |
| Maximum Peak Demand Summer                | —             | —             | \$15.38       |
| <b><u>Distribution**:</u></b>             |               |               |               |
| <u>Secondary Voltage</u>                  |               |               |               |
| Maximum Peak Demand Summer                | —             | —             | \$6.98        |
| Maximum Demand Summer                     | \$7.15        | \$7.07        | \$12.69       |
| Maximum Demand Winter                     | \$7.15        | \$7.07        | \$12.69       |
| <u>Primary Voltage</u>                    |               |               |               |
| Maximum Peak Demand Summer                | —             | —             | \$6.98        |
| Maximum Demand Summer                     | —             | \$6.11        | \$11.36       |
| Maximum Demand Winter                     | —             | \$6.11        | \$11.36       |
| <u>Transmission Voltage</u>               |               |               |               |
| Maximum Peak Demand Summer                | —             | —             | \$6.98        |
| Maximum Demand Summer                     | —             | \$2.37        | \$3.28        |
| Maximum Demand Winter                     | —             | \$2.37        | \$3.28        |

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE B-10**  
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 3

RATE:

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

|   | <b>TOTAL RATES</b>   |                    |                         |     |
|---|----------------------|--------------------|-------------------------|-----|
|   | Secondary<br>Voltage | Primary<br>Voltage | Transmission<br>Voltage |     |
| <u>Total Customer Charge Rates</u>                                    |                      |                    |                         | (T) |
| Customer Charge<br>(\$ per meter per day)                             | \$5.91042            | \$5.91042          | \$5.91042               |     |
| <br><u>Total Demand Rates (\$ per kW)</u>                             |                      |                    |                         |     |
| Summer  | \$16.96              | \$16.73            | \$13.13                 |     |
| Winter  | \$16.96              | \$16.73            | \$13.13                 |     |
| <br><u>Total Energy Rates (\$ per kWh)</u>                            |                      |                    |                         |     |
| Peak Summer   | \$0.31297            | \$0.29542          | \$0.22689               |     |
| Part-Peak Summer  | \$0.25128            | \$0.23712          | \$0.17015               |     |
| Off-Peak Summer   | \$0.21871            | \$0.20628          | \$0.14008               |     |
| Peak Winter   | \$0.23670            | \$0.22256          | \$0.17384               |     |
| Off-Peak Winter   | \$0.20122            | \$0.18893          | \$0.14100               |     |
| Super Off-Peak Winter   | \$0.16488            | \$0.15259          | \$0.10466               |     |
| <br><u>PDP Rates (Consecutive Day and Five-Hour<br/>Event Option)</u> |                      |                    |                         |     |
| <u>PDP Charges (\$ per kWh)</u>                                       |                      |                    |                         |     |
| All Usage During PDP Event  | \$0.90               | \$0.90             | \$0.90                  |     |
| <br><u>PDP Credits<br/>Energy (\$ per kWh)</u>                        |                      |                    |                         |     |
| Peak Summer   | (\$0.07825)          | (\$0.07825)        | (\$0.07825)             |     |
| Part-Peak Summer  | (\$0.02710)          | (\$0.02710)        | (\$0.02710)             |     |

\* See PDP Details, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

(Continued)



**ELECTRIC SCHEDULE B-10**  
**MEDIUM GENERAL DEMAND-METERED SERVICE**

Sheet 4

**RATES:**

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.

**UNBUNDLING OF TOTAL RATES**

**Customer Charge Rates:** Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component. (T)

|   | Secondary<br>Voltage | Primary<br>Voltage | Transmission<br>Voltage |
|---|----------------------|--------------------|-------------------------|
| <b>Demand Rate by Components (\$ per kW)</b>      |                      |                    |                         |
| <b>Generation:</b>                                |                      |                    |                         |
| Summer  | -                    | -                  | -                       |
| Winter  | -                    | -                  | -                       |
| <b>Distribution**:</b>                            |                      |                    |                         |
| Summer  | \$5.90               | \$5.67             | \$2.07                  |
| Winter  | \$5.90               | \$5.67             | \$2.07                  |
| <b>Transmission Maximum Demand*</b>               | \$11.03              | \$11.03            | \$11.03                 |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03               | \$0.03             | \$0.03                  |
| <b>Energy Rate by Components (\$ per kWh)</b>     |                      |                    |                         |
| <b>Generation:</b>                                |                      |                    |                         |
| Peak Summer                                       | \$0.23643            | \$0.21901          | \$0.19480               |
| Part-Peak Summer                                  | \$0.17474            | \$0.16071          | \$0.13806               |
| Off-Peak Summer                                   | \$0.14217            | \$0.12987          | \$0.10799               |
| Peak Winter                                       | \$0.17838            | \$0.16437          | \$0.14175               |
| Off-Peak Winter                                   | \$0.14290            | \$0.13074          | \$0.10891               |
| Super Off-Peak Winter                             | \$0.10656            | \$0.09440          | \$0.07257               |
| <b>Distribution**:</b>                            |                      |                    |                         |
| Summer  | \$0.05355            | \$0.05380          | \$0.01011               |
| Winter  | \$0.03533            | \$0.03558          | \$0.01011               |
| <b>Transmission Rate Adjustments*</b> (all usage) | \$0.00167            | \$0.00167          | \$0.00167               |
| <b>Public Purpose Programs</b> (all usage)        | \$0.01785            | \$0.01758          | \$0.01724               |
| <b>Competition Transition Charge</b> (all usage)  | \$0.00024            | \$0.00024          | \$0.00024               |
| <b>Energy Cost Recovery Amount</b> (all usage)    | (\$0.00429)          | (\$0.00429)        | (\$0.00429)             |
| <b>Nuclear Decommissioning</b> (all usage)        | (\$0.00013)          | (\$0.00013)        | (\$0.00013)             |
| <b>Wildfire Fund Charge</b> (all usage)           | \$0.00459            | \$0.00459          | \$0.00459               |
| <b>New System Generation Charge</b> (all usage)** | \$0.00186            | \$0.00186          | \$0.00186               |
| <b>California Climate Credit</b> (all usage)***   | \$0.00000            | \$0.00000          | \$0.00000               |
| <b>Wildfire Hardening Charge</b> (all usage)      | \$0.00120            | \$0.00109          | \$0.00080               |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

\*\*\* Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



**ELECTRIC SCHEDULE B-19**  
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 4

3. RATES: Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**BUNDLED TOTAL RATES**

|   | Secondary Voltage | Primary Voltage | Transmission Voltage |     |
|---|-------------------|-----------------|----------------------|-----|
| <b>Total Customer Charge Rates</b>                    |                   |                 |                      |     |
| Customer Charge Mandatory B-19 (\$ per meter per day) | \$29.69217        | \$45.18407      | \$50.81693           |     |
| Customer Charge Voluntary B-19 (\$ per meter per day) | \$5.91042         | \$5.91042       | \$5.91042            | (T) |
| <b>Total Demand Rates (\$ per kW)</b>                 |                   |                 |                      |     |
| Maximum Peak Demand Summer                            | \$31.45           | \$27.80         | \$12.72              |     |
| Maximum Part-Peak Demand Summer                       | \$6.37            | \$5.69          | \$3.18               |     |
| Maximum Demand Summer                                 | \$25.59           | \$21.05         | \$14.45              |     |
| Maximum Peak Demand Winter                            | \$2.24            | \$1.65          | \$1.22               |     |
| Maximum Demand Winter                                 | \$25.59           | \$21.05         | \$14.45              |     |
| <b>Total Energy Rates (\$ per kWh)</b>                |                   |                 |                      |     |
| Peak Summer   | \$0.19746         | \$0.17695       | \$0.16434            |     |
| Part-Peak Summer                                      | \$0.15983         | \$0.14831       | \$0.15230            |     |
| Off-Peak Summer                                       | \$0.13323         | \$0.12341       | \$0.12666            |     |
| Peak Winter   | \$0.17356         | \$0.16142       | \$0.16595            |     |
| Off-Peak Winter                                       | \$0.13312         | \$0.12358       | \$0.12700            |     |
| Super Off-Peak Winter                                 | \$0.07886         | \$0.06972       | \$0.06970            |     |
| Power Factor Adjustment Rate (\$/kWh/%)               | \$0.00005         | \$0.00005       | \$0.00005            |     |
| <b>PDP Rates</b>                                      |                   |                 |                      |     |
| PDP Charges (\$ per kWh)                              |                   |                 |                      |     |
| All Usage During PDP Event                            | \$0.90            | \$0.90          | \$0.90               |     |
| PDP Credits   |                   |                 |                      |     |
| Demand (\$ per kW)                                    |                   |                 |                      |     |
| Peak Summer   | (\$6.78)          | (\$5.31)        | (\$4.14)             |     |
| Part-Peak Summer                                      | (\$0.99)          | (\$0.78)        | (\$1.04)             |     |
| Energy (\$ per kWh)                                   |                   |                 |                      |     |
| Peak Summer   | \$0.00000         | \$0.00000       | \$0.00000            |     |
| Part-Peak Summer                                      | \$0.00000         | \$0.00000       | \$0.00000            |     |

(Continued)



**ELECTRIC SCHEDULE B-6**  
SMALL GENERAL TIME-OF-USE SERVICE

Sheet 3

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

Total Customer Charge Rates (T)

|   |           |
|---|-----------|
| Customer Charge Single-phase (\$ per meter per day) | \$0.32854 |
| Customer Charge Poly-phase (\$ per meter per day)   | \$0.82136 |

Total Energy Rates (\$ per kWh)

|                       |           |
|-----------------------|-----------|
| Peak Summer           | \$0.41465 |
| Off-Peak Summer       | \$0.29671 |
| Peak Winter           | \$0.30704 |
| Off-Peak Winter       | \$0.28729 |
| Super Off-Peak Winter | \$0.27088 |

PDP Rates (Consecutive Day and Five-Hour Event Option)\*

|                            |             |
|----------------------------|-------------|
| PDP Charges (\$ per kWh)   |             |
| All Usage During PDP Event | \$0.60      |
| PDP Credits                |             |
| Energy (\$ per kWh)        |             |
| Peak Summer                | (\$0.06983) |

\* See PDP Details, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

(Continued)



**ELECTRIC SCHEDULE E-20**  
**SERVICE TO CUSTOMERS WITH MAXIMUM**  
**DEMANDS of 1000 KILOWATTS or MORE**

Sheet 4

1. APPLICABILITY: **Option R for Solar:** The Option R rate is available to qualifying customers taking Bundled, DA and CCA service under Schedule E-20. Eligible customers must have solar photovoltaic (PV) systems that provide 15% or more of their annual electricity usage. For additional Option R details and program specifics, see Sections 3 and 18.  
(Cont'd.)
2. TERRITORY: Schedule E-20 applies everywhere PG&E provides electric service.
3. RATES: Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing

**TOTAL RATES**

| <u>Total Customer Charge Rates</u>                       | <u>Secondary<br/>Voltage</u> | <u>Primary<br/>Voltage</u> | <u>Transmission<br/>Voltage</u> | (T) |
|--|------------------------------|----------------------------|---------------------------------|-----|
| Customer Charge Mandatory E-20<br>(\$ per meter per day) | \$53.72582                   | \$53.45785                 | \$36.57149                      |     |
|  |                              |                            |                                 |     |
| Total Demand Rates (\$ per kW)                           |                              |                            |                                 |     |
| Maximum Peak Demand Summer                               | \$17.06                      | \$17.11                    | \$15.02                         |     |
| Maximum Part-Peak Demand Summer                          | \$13.90                      | \$14.56                    | \$15.02                         |     |
| Maximum Demand Summer                                    | \$28.61                      | \$26.15                    | \$13.55                         |     |
| Maximum Part-Peak Demand Winter                          | \$0.00                       | \$0.00                     | \$0.00                          |     |
| Maximum Demand Winter                                    | \$28.61                      | \$26.15                    | \$13.55                         |     |
|  |                              |                            |                                 |     |
| Total Energy Rates (\$ per kWh)                          |                              |                            |                                 |     |
| Peak Summer  | \$0.13402                    | \$0.12932                  | \$0.11401                       |     |
| Part-Peak Summer   | \$0.13402                    | \$0.12932                  | \$0.11401                       |     |
| Off-Peak Summer  | \$0.12810                    | \$0.12356                  | \$0.10834                       |     |
| Part-Peak Winter   | \$0.12551                    | \$0.12109                  | \$0.10591                       |     |
| Off-Peak Winter  | \$0.12480                    | \$0.12042                  | \$0.10525                       |     |
|  |                              |                            |                                 |     |
| <b>Power Factor Adjustment Rate (\$/kWh/%)</b>           | \$0.00005                    | \$0.00005                  | \$0.00005                       |     |

(Continued)



**ELECTRIC SCHEDULE E-20**  
**SERVICE TO CUSTOMERS WITH MAXIMUM**  
**DEMANDS of 1000 KILOWATTS or MORE**

Sheet 5

3. RATES: (Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

**UNBUNDLING OF TOTAL RATES**

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component. (T)

| Demand Rates by Component (\$ per kW)             | Secondary Voltage | Primary Voltage | Transmission Voltage |
|---|-------------------|-----------------|----------------------|
| <b>Generation:</b>                                |                   |                 |                      |
| Maximum Peak Demand Summer                        | \$11.80           | \$12.61         | \$15.02              |
| Maximum Part-Peak Demand Summer                   | \$11.80           | \$12.61         | \$15.02              |
| Maximum Demand Summer                             | \$0.00            | \$0.00          | \$0.00               |
| Maximum Part-Peak Demand Winter                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Winter                             | \$0.00            | \$0.00          | \$0.00               |
| <b>Distribution**:</b>                            |                   |                 |                      |
| Maximum Peak Demand Summer                        | \$5.26            | \$4.50          | \$0.00               |
| Maximum Part-Peak Demand Summer                   | \$2.10            | \$1.95          | \$0.00               |
| Maximum Demand Summer                             | \$15.73           | \$13.27         | \$0.67               |
| Maximum Part-Peak Demand Winter                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Winter                             | \$15.73           | \$13.27         | \$0.67               |
| <b>Transmission Maximum Demand*</b>               | \$12.85           | \$12.85         | \$12.85              |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03            | \$0.03          | \$0.03               |
| <u>Energy Rates by Component (\$ per kWh)</u>     |                   |                 |                      |
| <b>Generation:</b>                                |                   |                 |                      |
| Peak Summer                                       | \$0.11260         | \$0.10889       | \$0.09529            |
| Part-Peak Summer                                  | \$0.11260         | \$0.10889       | \$0.09529            |
| Off-Peak Summer                                   | \$0.10668         | \$0.10313       | \$0.08962            |
| Part-Peak Winter                                  | \$0.10409         | \$0.10066       | \$0.08719            |
| Off-Peak Winter                                   | \$0.10338         | \$0.09999       | \$0.08653            |
| <b>Distribution**:</b>                            |                   |                 |                      |
| Peak Summer                                       | \$0.00000         | \$0.00000       | \$0.00000            |
| Part-Peak Summer                                  | \$0.00000         | \$0.00000       | \$0.00000            |
| Off-Peak Summer                                   | \$0.00000         | \$0.00000       | \$0.00000            |
| Part-Peak Winter                                  | \$0.00000         | \$0.00000       | \$0.00000            |
| Off-Peak Winter                                   | \$0.00000         | \$0.00000       | \$0.00000            |
| <b>Transmission Rate Adjustments* (all usage)</b> | \$0.00167         | \$0.00167       | \$0.00167            |
| <b>Public Purpose Programs (all usage)</b>        | \$0.01689         | \$0.01600       | \$0.01459            |
| <b>Nuclear Decommissioning (all usage)</b>        | (\$0.00013)       | (\$0.00013)     | (\$0.00013)          |
| <b>Competition Transition Charge (all usage)</b>  | \$0.00021         | \$0.00020       | \$0.00019            |
| <b>Energy Cost Recovery Amount (all usage)</b>    | (\$0.00429)       | (\$0.00429)     | (\$0.00429)          |
| <b>Wildfire Fund Charge (all usage)</b>           | \$0.00459         | \$0.00459       | \$0.00459            |
| <b>New System Generation Charge (all usage)**</b> | \$0.00155         | \$0.00155       | \$0.00155            |
| <b>Wildfire Hardening Charge (all usage)</b>      | \$0.00093         | \$0.00084       | \$0.00055            |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE E-20**  
SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE

Sheet 6

3. RATES: (Cont'd.)

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing

**TOTAL RATES FOR OPTION R**  
**(for qualifying solar customers as set forth in Section 16)**

|  | Secondary<br>Voltage | Primary<br>Voltage | Transmission<br>Voltage | (T) |
|--|----------------------|--------------------|-------------------------|-----|
| <u>Total Customer Charge Rates</u>                       |                      |                    |                         |     |
| Customer Charge Mandatory E-20<br>(\$ per meter per day) | \$53.72582           | \$53.45785         | \$36.57149              |     |
| <br>   |                      |                    |                         |     |
| <u>Total Demand Rates (\$ per kW)</u>                    |                      |                    |                         |     |
| Maximum Peak Demand Summer                               | \$1.31               | \$1.13             | \$0.00                  |     |
| Maximum Part-Peak Demand Summer                          | \$0.53               | \$0.49             | \$0.00                  |     |
| Maximum Demand Summer                                    | \$28.61              | \$26.15            | \$13.55                 |     |
| Maximum Part-Peak Demand Winter                          | \$0.00               | \$0.00             | \$0.00                  |     |
| Maximum Demand Winter                                    | \$28.61              | \$26.15            | \$13.55                 |     |
| <br>   |                      |                    |                         |     |
| <u>Total Energy Rates (\$ per kWh)</u>                   |                      |                    |                         |     |
| Peak Summer  | \$0.22914            | \$0.22512          | \$0.18332               |     |
| Part-Peak Summer   | \$0.19698            | \$0.19305          | \$0.16588               |     |
| Off-Peak Summer  | \$0.14986            | \$0.14612          | \$0.13846               |     |
| Part-Peak Winter   | \$0.14727            | \$0.14365          | \$0.13603               |     |
| Off-Peak Winter  | \$0.14656            | \$0.14298          | \$0.13537               |     |
| <br>   |                      |                    |                         |     |
| <b>Power Factor Adjustment Rate (\$/kWh/%)</b>           | \$0.00005            | \$0.00005          | \$0.00005               |     |

(Continued)



**ELECTRIC SCHEDULE E-20**  
SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE

Sheet 7

3. Rates: (Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

**UNBUNDLING OF TOTAL RATES FOR OPTION R**  
(for qualifying solar customers as set forth in Section 16)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component. (T)

| Demand Rates by Components (\$ per kW)            | Secondary Voltage | Primary Voltage | Transmission Voltage |
|---|-------------------|-----------------|----------------------|
| <b>Generation:</b>                                |                   |                 |                      |
| Maximum Peak Demand Summer                        | \$0.00            | \$0.00          | \$0.00               |
| Maximum Part-Peak Demand Summer                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Summer                             | \$0.00            | \$0.00          | \$0.00               |
| Maximum Part-Peak Demand Winter                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Winter                             | \$0.00            | \$0.00          | \$0.00               |
| <b>Distribution**:</b>                            |                   |                 |                      |
| Maximum Peak Demand Summer                        | \$1.31            | \$1.13          | \$0.00               |
| Maximum Part-Peak Demand Summer                   | \$0.53            | \$0.49          | \$0.00               |
| Maximum Demand Summer                             | \$15.73           | \$13.27         | \$0.67               |
| Maximum Part-Peak Demand Winter                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Winter                             | \$15.73           | \$13.27         | \$0.67               |
| <b>Transmission Maximum Demand*</b>               | \$12.85           | \$12.85         | \$12.85              |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03            | \$0.03          | \$0.03               |
| <u>Energy Rates by Component (\$ per kWh)</u>     |                   |                 |                      |
| <b>Generation:</b>                                |                   |                 |                      |
| Peak Summer                                       | \$0.17045         | \$0.17090       | \$0.16460            |
| Part-Peak Summer                                  | \$0.15548         | \$0.15343       | \$0.14716            |
| Off-Peak Summer                                   | \$0.12844         | \$0.12569       | \$0.11974            |
| Part-Peak Winter                                  | \$0.12585         | \$0.12322       | \$0.11731            |
| Off-Peak Winter                                   | \$0.12514         | \$0.12255       | \$0.11665            |
| <b>Distribution**:</b>                            |                   |                 |                      |
| Peak Summer                                       | \$0.03727         | \$0.03379       | \$0.00000            |
| Part-Peak Summer                                  | \$0.02008         | \$0.01919       | \$0.00000            |
| Off-Peak Summer                                   | \$0.00000         | \$0.00000       | \$0.00000            |
| Part-Peak Winter                                  | \$0.00000         | \$0.00000       | \$0.00000            |
| Off-Peak Winter                                   | \$0.00000         | \$0.00000       | \$0.00000            |
| <b>Transmission Rate Adjustments*</b> (all usage) | \$0.00167         | \$0.00167       | \$0.00167            |
| <b>Public Purpose Programs</b> (all usage)        | \$0.01689         | \$0.01600       | \$0.01459            |
| <b>Nuclear Decommissioning</b> (all usage)        | (\$0.00013)       | (\$0.00013)     | (\$0.00013)          |
| <b>Competition Transition Charge</b> (all usage)  | \$0.00021         | \$0.00020       | \$0.00019            |
| <b>Energy Cost Recovery Amount</b> (all usage)    | (\$0.00429)       | (\$0.00429)     | (\$0.00429)          |
| <b>Wildfire Fund Charge</b> (all usage)           | \$0.00459         | \$0.00459       | \$0.00459            |
| <b>New System Generation Charge</b> (all usage)** | \$0.00155         | \$0.00155       | \$0.00155            |
| <b>Wildfire Hardening Charge</b> (all usage)      | \$0.00093         | \$0.00084       | \$0.00055            |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE E-6  
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 6

SPECIAL  
CONDITIONS:  
(Cont'd.)

7. **COMMON-AREA ACCOUNTS:** Common-area accounts that are separately metered by PG&E have a one-time option of switching to an applicable general service rate schedule by notifying PG&E in writing. Common-area accounts are those accounts that provide electric service to Common Use Areas as defined in Rule 1.

Accounts that switch to a general service tariff will have one, and possibly two, opportunities to return to a residential rate schedule. Please see Common-Area Accounts Section of General Service Schedules A-1, A-6, A-10, and E-19 for more details.

8. **BILLING:** A customer's bill is calculated based on the option applicable to the customer.

**Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and conditions set forth in this schedule. Total generation charges for bundled customers include charges for the latest vintage Power Charge Indifference Adjustment shown in the Direct Access and Community Choice Aggregation section below.

(T)  
|  
(T)

**Transitional Bundled Service Customers** take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

**Direct Access (DA) and Community Choice Aggregation (CCA) Customers** purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

(Continued)

Advice 6576-E  
Decision

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted  
Effective  
Resolution

April 29, 2022  
April 29, 2022



**ELECTRIC SCHEDULE E-TOU-C**  
RESIDENTIAL TIME-OF-USE (PEAK PRICING 4 - 9 p.m. EVERY DAY)

Sheet 6

SPECIAL CONDITIONS:  
(Cont'd.)

8. BILLING: A customer's bill is calculated based on the option applicable to the customer.

**Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and conditions set forth in this schedule. Total generation charges for bundled customers include charges for the latest vintage Power Charge Indifference Adjustment shown in the Direct Access and Community Choice Aggregation section below.

(T)  
|  
(T)

Qualifying customers will be provided with bill protection for 12 months from the date they enroll onto the rate and up to the date they un-enroll from the rate or become ineligible, whichever occurs first. Bill protection shall be calculated based on comparing this rate to the standard tiered non-TOU rate. The following customers are not eligible for bill protection: customers on Schedule NEM2, NEM2V, or NEM2VMSH, also known as the NEM 2.0 tariff riders, who start or transfer service on or after October 1, 2020, and customers who opt-in to E-TOU-C from another Time-of-Use rate plan. PG&E will continue to offer bill protection to existing tiered customers that opt into the default TOU rate before and during the initial default TOU migration period.

The amount of bill protection is defined as the difference between what the customer paid on rate schedule E-TOU-C based on their usage and what they would have paid on the standard tiered non-TOU rate, schedule E-1. The rate from which the customer transferred to E-TOU-C is not taken into account for this calculation. Bill protection benefits will be computed on a cumulative basis at the end of 12 months or when the customer un-enrolls from the rate schedule (whichever occurs first), and any applicable credits will be applied to the customer's account on the next regular bill. Bill protection is applicable to a customer only once at a particular premise, even if the customer stays on the rate for less than 12 months. After the customer has completed 12 months on this rate schedule, bill protection will no longer apply.

Customers will receive a bill protection credit automatically, if applicable, under any of the circumstances below:

- (a) Customer stops or transfers service.
- (b) Customer moves from PG&E bundled service to Community Choice Aggregator (CCA) service. If the customer continues on the CCA version of this tariff, they will receive an additional 12 months of bill protection on the non-generation portion of their bill provided the transition happens before the end of the auto-transition period.
- (c) Customer transitions to Net Energy Metering Successor Tariff.
- (d) Customer opts out of Smart Meter™.

(Continued)



**ELECTRIC SCHEDULE NEM2  
NET ENERGY METERING SERVICE**

Sheet 13

SPECIAL  
CONDITIONS:  
(Cont'd.)

3. INTERCONNECTION: Prior to receiving approval for Parallel Operation, the customer-generator must submit a completed PG&E application form and interconnection agreement as follows:

| Rate Option         | Application  | Interconnection Agreement  |            |
|---------------------|--|--|------------|
| NEM2S               | For Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less:<br><br><i>Application - Net Energy Metering (NEM2) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Form 79-1151B-02)<sup>4</sup></i> | <i>Agreement and Customer Authorization – Net Energy Metering (NEM2) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Form 79-1151A-02)<sup>4</sup></i>         |            |
| NEM2EXP<br>NEM2EXPM | For Solar and/or Wind Net Energy Metering (NEM2) Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less:<br><br><i>Generating Facility Interconnection Application, (Form 79-1174-02)</i>                               | <i>Interconnection Agreement for Net Energy Metering (NEM2) of Solar or Wind Electric Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less (Form 79-1198-02)</i>  | (T)        |
|                     | For Net Energy Metering (NEM2) non-Solar and/or Wind Generating Facilities of any size, and Solar and/or Wind Generating Facilities greater than 1,000 kW:<br><br><i>Generating Facility Interconnection Application, (Form 79-1174-02)</i>                      | <i>Interconnection Agreement For Net Energy Metering (NEM2) non-Solar and/or Wind Generating Facilities of any size, and Solar and/or Wind Generating Facilities greater than 1,000 kW (Form 79-1198-02)</i> | (T)<br>(T) |

<sup>4</sup> Both the Agreement and Customer Authorization (79-1151A-02) and Application (79-1151B-02) forms must have been submitted before PG&E will issue the Permission to Operation (PTO) letter. Information in the Application can be submitted by the Company or Customer in an electronic format, subject to approval by PG&E.

(Continued)



**ELECTRIC SCHEDULE NEM2  
NET ENERGY METERING SERVICE**

Sheet 14

SPECIAL  
CONDITIONS:  
(Cont'd.)

3. INTERCONNECTION: (Cont'd.)

| Rate Option | Application | Interconnection Agreement |
|-------------|-------------|---------------------------|
|-------------|-------------|---------------------------|

|       |   |  |
|-------|---|--|
| NEMPS | For NEMPS (Special Condition 9) for projects that meet NEM integrity requirements |  |
|-------|---|--|

|   |   |
|---|---|
| <i>Generating Facility Interconnection Application, (Form 79 1174-02)</i> | <b>79-1193-02- AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less or Energy Storage with Power Control System Certification</b> |
|---|---|

|  |  |  |     |
|--|--|--|-----|
| NEM2, NEM2EXP, NEM2A ,or NEM2MT > 1,000 kW | <i>Generating Facility Interconnection Application (Form 79-1174-02)</i> | <i>Rule 21 Generator Interconnection Agreement for New Energy Metering (NEM-2) Generating Facilities Greater than 1,000 Kilowatts Interconnecting Under the Fast Track Process (Form 79-1198-02)</i> | (T) |
|--|--|--|-----|

|   |     |
|---|-----|
| <i>Rule 21 Generator Interconnection Agreement (GIA) for Net Energy Metering (NEM2) Generating Facilities Greater than 1,000 Kilowatts Interconnecting Under the Independent Study, Distribution Study, or Transmission Cluster Process (Form 79-1198-02)</i> | (T) |
|---|-----|

|        |   |
|--------|---|
| NEM2MT | For customer-generators ≤ 1 MW taking service as a Multiple Tariff Facility under Special Condition 4 of this tariff: |
|--------|---|

|  |   |
|--|---|
| <i>Generating Facility Interconnection Application (Form 79-1174-02)</i> | <i>Generating Facility Interconnection Agreement (NEM2MT - Multiple Tariff) (Form 79-1069-02)</i> |
|--|---|

|       |                              |
|-------|------------------------------|
| NEM2A | NEM2 Load Aggregation ≤ 1 MW |
|-------|------------------------------|

Along with the applicable interconnection form above, also submit:

*NEM2 Load Aggregation Appendix (Form 79-1202)*

|          |                         |
|----------|-------------------------|
| NEM2CDCR | See Special Condition 7 |
|----------|-------------------------|

(Continued)



**ELECTRIC SCHEDULE NEM2  
NET ENERGY METERING SERVICE**

Sheet 25

SPECIAL  
CONDITIONS:  
(Cont'd.)

- 6. LOAD AGGREGATION – NEM2A: (Cont'd.)
    - c. Billing Service Charges – An eligible customer-generator electing Load Aggregation shall remit service charges for the cost of providing billing services as follows. These charges shall include:
      - 1) One-Time Setup Charge of \$25.00 per Aggregated Account and for the Generating Account, as defined in this Special Condition, and cumulatively, shall be limited to no more than \$500 per Load Aggregation Arrangement. Any change to the number of accounts included in a NEM2A arrangement is subject to this one-time fee. This Setup Charge shall be assessed without regard to the \$500 limit for accounts added after the PTO date.
- Plus,
- 2) Monthly Charge of \$5 Per Aggregated Account and for the Generating Account as defined in this Special Condition.

7. CALIFORNIA DEPARTMENT OF CORRECTIONS AND REHABILITATION (CDCR)

“Eligible customer-generator” includes the Department of Corrections and Rehabilitation using a renewable electrical generation technology, or a combination of renewable electrical generation technologies, with a total capacity of not more than eight megawatts, that is located on the department’s owned, leased, or rented premises, and is interconnected and operates in parallel with the electrical grid, and is intended primarily to offset part or all of the facility’s own electrical requirements.

The amount of any wind generation exported to the electrical grid shall not exceed 1.35 megawatt at any time. CDCR Eligible Customer Generators are subject to Network and/or Distribution upgrade costs in accordance with Rule 21 Section D.13.e.

CDCR shall use Interconnection Application Form 79-1174-02 to apply under this Special Condition. In addition to submitting the application form, CDCR will notify PG&E at Rule21gen@pge.com of the Generating Facility’s size, and if applicable, any allocation between NEM2 and non-NEM2 generation.

(T)

(Continued)



**ELECTRIC RATE SCHEDULE RES-BCT**  
**SCHEDULE FOR LOCAL GOVERNMENT**  
**RENEWABLE ENERGY SELF-GENERATION BILL CREDIT TRANSFER**

Sheet 11

SPECIAL  
CONDITIONS  
(Cont'd):

2. BILLING (Continued)

h) The True-up (continued):

If any additional Bill Credit pursuant to Special Condition 2 (c) and (d) and the previous paragraph still remains, PG&E will review the true-up bills for the Generating Account and Benefiting Accounts to determine if any charges for the generation component of the energy charge, as described in Section 2(e), remain to be credited. If yes, PG&E will apply the remaining Bill Credit to the Designated Benefiting Account (as indicated on Appendix A of Form 79-1112) equal to the lesser of: (a) these remaining charges or (b) the remaining Bill Credit. Because the Generating Account must be trued up first, it cannot be the Designated Benefiting Account unless PG&E is able to arrange for all of the Arrangement's meters to be read on the same date.

3. INTERCONNECTION

Prior to receiving approval for Parallel Operation, the Eligible RES-BCT Customer must submit a completed PG&E RES-BCT Application and interconnection documents as follows:

| Rate Option | Application   | Interconnection Agreement   |     |
|-------------|---|---|-----|
| RES-BCT     | Online Rule 21 Generator Interconnection Application (79-1174-02) – replaces application in 79-1112 |   | (T) |
|             |   |   | (D) |
|             |   |   | (D) |
|             |   | <i>Generating Facility Interconnection Agreement (Form 79-1191)</i>   | (T) |
|             |   | <i>Other related interconnection documents as required by Rule 21</i> |     |
| RES-BCTB    | <i>No forms required</i>  |   |     |

All costs associated with interconnection of an Eligible Renewable Generating Facility at the Generating Account are the responsibility of the Eligible RES-BCT Customer. For purposes of this paragraph, "interconnection" has the same meaning as defined in Public Utilities Code Section 2803, except that it applies to the interconnection of an eligible renewable generating facility rather than the energy source of a private energy producer. Costs will be as described in PG&E's Electric Rule 21.



**ELECTRIC RULE NO. 14**  
**SHORTAGE OF SUPPLY AND INTERRUPTION OF DELIVERY**

Sheet 3

**ELECTRIC EMERGENCY PLAN ROTATING BLOCK OUTAGES FOR TRANSMISSION LEVEL CUSTOMERS (T)**

For the purposes of this Section only, transmission level customers are those customers that are served from a "single customer substation" as defined in PG&E's Electric Rule 1 or without transformation at one of the standard transmission voltages specified in PG&E's Electric Rule 2, Section B.1.

Transmission level customers, except for those customers meeting the CPUC's criteria for essential use or those otherwise exempt from rotating outages in accordance with CPUC Decisions, will be incorporated into PG&E's rotating outage block plan and subjected to load interruptions when rotating block outages are ordered by the ISO. PG&E will, to the extent practical, follow the applicable principles and procedures specified in PG&E's Electric Rule 14, by the CPUC, and by the ISO. To the extent feasible, PG&E will coordinate rotating outages applicable to customers who are fossil fuel producers, pipeline operators and users to minimize disruption to public health and safety. PG&E shall not include a transmission level customer in an applicable rotating outage block if the customer's inclusion would jeopardize system integrity. Transmission level customers who are not exempt from rotating outages may submit an Optional Binding Mandatory Curtailment (OBMC) Plan to PG&E in accordance with PG&E's Electric Schedule OBMC. If PG&E approves a customer's OBMC Plan, the customer will become exempt from rotating outages and will be subject to the terms and conditions of PG&E's Electric Schedule OBMC and its associated agreement.

Non-exempt transmission level customers shall be required to undergo rotating outages applicable to the customer's assigned rotating outage block by either (1) implementing the load reduction on their own initiative, in accordance with subsection a, below; or (2) having PG&E implement the load reduction through PG&E-owned remote-controlled equipment in accordance with subsection b, below. A transmission level customer shall normally be subject to the provisions of subsection a. If PG&E approves a transmission level customer's request to have PG&E implement the customer's load reduction, then the customer will be subject to the provisions of subsection b, below. If a transmission level customer subject to subsection a, below, exceeds the threshold specified in subsection c below, then the customer will be subject to the provisions of subsection c.(i) or (ii), below.

(Continued)

Advice Decision 6576-E

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted Effective Resolution April 29, 2022 April 29, 2022



**ELECTRIC RULE NO. 19**  
**MEDICAL BASELINE QUANTITIES**

Sheet 3

(D)  
|  
(D)

**E. HEATING AND AIR CONDITIONING**

Special heating and/or air-conditioning needs will qualify you for a Standard Medical Baseline Quantity under this rule only if your main source of energy for heating or air conditioning is electricity delivered by PG&E. (If your main source of energy for heating or air conditioning is gas, please see Rule 19 in the gas tariff schedule.)

**F. ADDITIONAL MEDICAL BASELINE QUANTITIES**

If you believe that more than the Standard Medical Baseline Quantity of 16.438 kWh per day is needed to operate the life-support device(s) in your home or maintain the temperature required by the qualifying medical condition, you may apply for additional medical quantities. Please contact PG&E at 1-800-743-5000 for assistance.

If PG&E finds that you need more than the standard 16.438 kWh per day, it will increase your daily Medical Baseline Quantity. In determining how many Additional Quantities you will be assigned, PG&E will round its calculation of your total daily kWh medical needs up to the nearest increment of 16.438 kWh.

**G. MEDICAL BASELINE QUANTITIES FOR MASTER-METERED CUSTOMERS**

Residential tenants of master-metered customers can also qualify for Medical Baseline Quantities. If one or more of your tenants have a medical condition that qualifies under the conditions listed above, please visit [pge.com/medicalbaseline](http://pge.com/medicalbaseline) or contact your local PG&E office to find out how to apply.

If you submeter your tenants, any Medical Baseline Quantities must be passed on to the qualifying tenant(s) when you bill tenants for the electricity they use.



**ELECTRIC RULE NO. 21**  
**GENERATING FACILITY INTERCONNECTIONS**

Sheet 30

C. DEFINITIONS (Cont'd.)

(D)  
-----  
(D)

**Party, Parties:** Applicant or Distribution Provider.

**Periodic Test:** A test performed on part or all of a Generating Facility/Interconnection Facilities at pre-determined time or operational intervals to achieve one or more of the following: 1) verify specific aspects of its performance; 2) calibrate instrumentation; and 3) verify and re-establish instrument or Protective Function set-points.

**Permissive Operation:** The Smart Inverter is allowed, but not required, to operate at any current level.

**Point of Common Coupling (PCC):** The transfer point for electricity between the electrical conductors of Distribution Provider and the electrical conductors of Producer.

**Point of Interconnection:** The point where the Interconnection Facilities connect with Distribution Provider's Distribution or Transmission System. This may or may not be coincident with the Point of Common Coupling.

**Pre-Construction Activities:** The actions by Distribution Provider, other than those required by an Engineering and Procurement Agreement under Section F.3.f, undertaken prior to Construction Activities in order to prepare for the construction of Distribution Provider's Interconnection Facilities, Distribution Upgrades, or Network Upgrades assigned to the Interconnection Customer, including, but not limited to, preliminary engineering, permitting activities, environmental analysis, or other activities specifically needed to obtain governmental approvals for Distribution Provider's Interconnection Facilities, Distribution Upgrades, or Network Upgrades.

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Vice President, Regulatory Affairs

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## **Attachment 2**

### **Redline Tariff Revisions**

Where Sample Forms have been revised, the entire Sample Form is included in Attachment 1 (clean version), but the redline version in Attachment 2 of the Advice Letter Package only includes the pages where the modification has occurred, and excludes pages of the form where only the advice letter number and date has been updated within the footer of the page.



**GAS RULE NO. 23**

Sheet 6

**GAS AGGREGATION SERVICE FOR CORE TRANSPORT CUSTOMERS**

C. CUSTOMER PROTECTION (Cont'd)

2. VERIFICATION OF ENROLLMENT (Cont'd)

- h. A core transport agent shall keep a record of the confirmation of a change pursuant to Sections C.2.c, C.2.d, C.2.e, or C.2.f for three (3) years from the date of that confirmation, and shall make those records available, upon request, to the customer and to the CPUC in the course of a CPUC investigation of a customer complaint or an investigation pursuant to Public Utilities Code Section 983(c).
- i. Public agencies are exempt from this rule adopted pursuant to Public Utilities Code Section 985(c) to the extent they are serving customers within their jurisdiction.
- j. Notwithstanding Sections C.2.e and C.2.f above, the CPUC may require third-party verification for all residential changes to CTAs if it finds that the application of Sections C.2.e and C.2.f results in the unauthorized changing of a customer's gas service provider.
- k. PG&E is exempt from this rule for customers that default to the natural gas service of PG&E.
- l. Consistent with Public Utilities Code Section 985(c), CTAs and PG&E may charge for a change in gas commodity service provider in the event of early termination of service, provided that any fee or penalty charged by the supplier associated with the early termination of service, shall be disclosed in the contract of the CTA or in the applicable tariff of PG&E.

3. Customer Complaints

Pursuant to Decision (D.) 14-08-043, D.18-02-002, and Public Utilities Code Section 983, the California Public Utilities Commission (CPUC) shall accept, compile and attempt to informally resolve consumer complaints regarding CTAs;

<https://www.cpuc.ca.gov/consumer-support/file-a-complaint/utility-complaint->

(T)

CI. CUSTOMER SIGN-UP PROCESS

- 1. The CTA shall transmit notice of Customer Authorizations to PG&E for enrollment into the CTA's aggregation group or for switching a Customer from one CTA to another CTA using the electronic format acceptable to PG&E, a Direct Access Service Request (DASR).

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**GAS RULE NO. 23**  
GAS AGGREGATION SERVICE FOR CORE TRANSPORT CUSTOMERS

Sheet 17

F. ESTABLISHMENT OF CREDIT (Cont'd.)

4. REDUCING CREDITWORTHINESS REQUIREMENTS (Cont'd.)

b. CONSOLIDATED PG&E BILLING COLLATERAL

For a CTA that has reduced creditworthiness requirements by utilizing the full eighty (80) percent guarantee specified in FB.4.a. above, the CTA can further reduce CWR1 if they also utilize Consolidated PG&E Billing specified in G.1.c. below.

(T)

If this is the case, then:

CWR1 = (Percent of Load not billed utilizing Consolidated PG&E Billing x 18 days x DCQ x Core WACOG x 150 percent). Note that this can reduce CWR1 to zero if all of the CTA's customers are utilizing PG&E Consolidated Billing. The CTA must adhere to all of the following conditions in order to have their Rule 23 creditworthiness requirement be calculated in this manner.

- 1) Continue to meet the eighty (80) percent condition above;
- 2) Have zero Schedule G-BAL negative CTA cashout charges within the last year (requires the CTA to have at least twelve months of history with PG&E); and
- 3) Execute Attachment L of the CTA Agreement including the provision that allows PG&E to withhold payments if the CTA does not meet all of these conditions.

If all conditions are not met, PG&E has the authority to stop paying the CTA for payments received from customers and/or immediately terminate the CTA Agreement. If PG&E has not terminated the CTA Agreement and the conditions that led to stopping payment to CTA have been satisfied, including payment of all Schedule G-ESP (Consolidated PG&E Billing Services to Core Transport Agents) consolidated billing charges and fees, PG&E will pay the CTA for all withheld payments.

(Continued)



**LIST OF CONTRACTS AND DEVIATIONS**  
(Continued)

Sheet 60

| Name and Location of Customer  |                               |                                |   |                         | Most Comparable Regular Tariff   |  |
|--|-------------------------------|--------------------------------|---|-------------------------|--|--|
| PG&E Installation Reference No.  | Type or Class of Service      | Execution and Expiration Dates | Commission Authorization Number and Date  | Schedule or Rule No.    | Contract Difference  |  |
| <u>CORPORATE CENTER</u>  |                               |                                |   |                         |  |  |
| <u>Federal Agencies</u>  |                               |                                |   |                         |  |  |
| Dept. of Transportation<br>Federal Aviation Admin.                                   | Coml                          | 3-12-79<br>5 Years*1           | ---   | Rule 15                 | Cost of Ownership Charge   |  |
| General Services Administration  | Res/Coml/Ind                  | 12-10-14<br>10 Years           | G.O.96-B<br>Section 8.2.3   | ---                     | Areawide Agreement   |  |
| Dept. of Energy<br>DOE Laboratories and Western Area Power Administration            | Coml/Ind                      | 3-17-99<br>10 Years            | G.O.96-A,X.B.   | ---                     | Power Delivery Service   |  |
| <u>State Agencies</u>  |                               |                                |   |                         |  |  |
| State of California<br>Dept. of Transportation                                       | Street and traffic operations | 4-24-00                        | G.O. 96-A,X.B   | LS-3, TC-1              | Applicability Deviation and Addendum   |  |
| California High-Speed Rail Authority   | Rail Operation                | 04-25-14                       | Ref. Advice Letter<br>3484-G/4443-E,<br>3484-G-A/4443-E-A,<br>3484-G-B/4443-E-B,<br><u>and</u><br>3794-G/4986-E,<br><u>4154-G/5651-E,</u><br><u>And</u><br><u>4215-G/5761-E</u> | Rules 15 and 16         | Facility Relocation and Disconnection Procedures   |  |
| California High-Speed Rail Authority (HSR 10-10, HSR14-37 and HSR 16-56)             | Rail Operation                | Between 12-12-12 to 01-09-17   | Ref. Advice Letter 5046-E<br>And 6125-E   | Rule 15 and 16          | Special State Contract and Payment Process   |  |
| U.S. Armed Forces  | General Service               | 11-1-15                        | G.O. 96-B<br>Section 8.2.3<br>Ref. Advice Letter 4717-E   | Form 79-978             | Deviations in Customer Generation Agreement for the U.S. Armed Forces to Implement SB 83 (2015)              |  |
| California Department of Corrections and Rehabilitation                              | General Service               | 10-16-15                       | G.O. 96-B<br>Section 8.2.3<br>Ref. Advice Letter 4724-E, 5545-E-A   | Forms 79-978 and 79-992 | Deviations in Customer Generation Agreements for the California Department of Corrections and Rehabilitation |  |
| <u>Supplemental Power</u>  |                               |                                |   |                         |  |  |
| N62474-67-0101<br>U.S. Navy: Vallejo, Stockton, Dixon, Lemoore and Moffett Field     | Supplemental                  | 10-1-66<br>9-30-76             | G.O.96-A,X.B.<br>11-28-67   | ---                     | Special Rate   |  |
| DWR-855503<br>State of California<br>Dept. of Water Resources<br>State Water Project | Trans. & Exchange             | 11-18-66                       | G.O.96-A,X.B.<br>12-18-68   | ---                     | Special Rate Transmission, Exchange and Substation Service   |  |
| Developers/Subdividers   | Domestic Service              | Various                        | Res. E-1316<br>3-21-72  | Rule 15                 | Annual Charge for Excess Facilities  |  |

(Continued)

Advice Decision 6125-E

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted Effective Resolution

March 23, 2021  
April 22, 2021  
E-4886



**LIST OF CONTRACTS AND DEVIATIONS**  
(Continued)

Sheet 60

\*1 to \*4 See last page of Electric Contracts and Deviations Section for explanation of footnotes.

(Continued)

*Advice* 6125-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted*  
*Effective*  
*Resolution*

March 23, 2021  
April 22, 2021  
E-4886



**Electric Sample Form No. 79-1069-02**  
Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)

Sheet 1

**Please Refer to Attached  
Sample Form**

# GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

This *Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)* (Agreement) is entered into by and between \_\_\_\_\_ (Producer), and Pacific Gas and Electric Company (PG&E) a California Corporation. Producer and PG&E are sometimes also referred to in this Agreement jointly as “Parties” or individually as “Party.” In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

## 1. SCOPE AND PURPOSE

This Agreement provides for Producer to interconnect and operate a Generating Facility in parallel with PG&E’s Electric System to serve the electrical loads at the location identified in Section 2.4 (or for the qualifying energy where permitted under Section 218 of the California Public Utilities Code (PUC). The Generating Facility must be a combination of generators, but must include at least one NEM2 “Eligible customer-generator.” (as defined in PG&E’s Schedule NEM2). “Eligible customer-generator” may also include other eligible customer-generators such as NEM2 Renewable Electrical Generation Facility(ies), Renewable Electrical Generation Facility(ies) (as defined in PG&E’s Schedule NEM) or Eligible Fuel Cell Electrical Generating Facility(ies) (as defined in PG&E’s Schedule NEMFC), as allowed under Special Condition 4 of Schedule NEM2.

- 1.1. This Agreement provides for Producer to operate the Eligible Generator(s) pursuant to the provisions of Section 2827.1 et seq. of the PU Code and the applicable PG&E tariffs for net energy metering. This Agreement also provides for Producer to operate its Non-Eligible Generator(s). This Agreement does not provide for retail electrical service by PG&E to Producer. Such arrangements must be made separately between PG&E and Producer.
- 1.2. This Agreement does not address Producer’s account billing and payment for energy consumption. For the Generating Facility as specified in Section 2 of this Agreement, please refer to the applicable PG&E net-energy-metered (NEM and/or NEM2) tariff schedules for billing and payment protocol.

## 2. SUMMARY AND DESCRIPTION OF PRODUCER’S GENERATING FACILITY

- 2.1 A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Producer’s Generating Facility and loads are interconnected with PG&E’s Electric System, are attached to and made a part of this Agreement. (Supplied by Producer as Appendix A).



**Electric Sample Form No. 79-1174-02D**  
Rule 21 Generator Interconnection Application - Attachment D

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* \_\_\_\_\_  
*Effective* \_\_\_\_\_  
*Resolution* \_\_\_\_\_

# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

| Generator Information   | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|---|--|--|--|--|
| <p>S - Basic Single Line Diagram (SLD)</p> <p>If the interconnection is eligible to use a Basic SLD, please include the requested information.</p>              | <p>_____</p> <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>PV Breaker Size (Amps)</p>   | <p>_____</p> <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>PV Breaker Size (Amps)</p>   | <p>_____</p> <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>PV Breaker Size (Amps)</p>   | <p>_____</p> <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>PV Breaker Size (Amps)</p>   |
| <p>T - Back-up Generator Operation</p> <p>Will the generator be operated as a back-up?</p> <p>If yes, please indicate the control device that will be used.</p> | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor</p> <p><input type="checkbox"/> Breaker</p>                                  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor</p> <p><input type="checkbox"/> Breaker</p>                                  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor</p> <p><input type="checkbox"/> Breaker</p>                                  | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor</p> <p><input type="checkbox"/> Breaker</p>                                  |
| <p>U - Limited Export</p> <p>Will the generator export be limited?</p> <p>If yes, please indicate how export will be limited.</p>                               | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS - <a href="#">Option 9</a>)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p> | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS - <a href="#">Option 9</a>)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p> | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS - <a href="#">Option 9</a>)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p> | <p>_____ Yes<br/>_____ No</p> <p><input type="checkbox"/> Power Control System (PCS - <a href="#">Option 9</a>)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p> |



# INTERCONNECTION APPLICATION (Form 79-1174-02) ATTACHMENT D

## SOLAR (PV) TECHNOLOGY

| Generator Information   | Existing Generator type 1                  | Existing Generator type 2   | New Generator type 1 | New Generator type 2 |
|---|--|---|----------------------|----------------------|
| <p><u>V – Telemetry</u></p> <p><u>Will the Generating Facility Gross Nameplate Rating exceed 1 MW?</u></p> <p><u>If yes, please select a Telemetry Option.</u></p> <p><u>If one of the Customer-owned Telemetry options is selected, please identify the preferred Site Metering Arrangement.</u></p> | <p><u>    Yes</u></p> <p><u>    No</u></p> |   |                      |                      |
|   |  | <p><u>    Customer-owned Telemetry - Gateway</u></p> <p><u>    Customer-owned Telemetry - Aggregator</u></p> <p><u>    Mini RTU</u></p> <p><u>    Customer-side net load metering</u></p> <p><u>    Replace PG&amp;E meter with a Mark V meter and terminal block</u></p> <p><u>    Add terminal block to existing PG&amp;E Mark V meter</u></p> <p><u>    Replace meter socket with dual-socket meter cabinet for installation of customer-owned meter</u></p> <p><u>    Install customer-owned meter in existing dual socket meter cabinet.</u></p> |                      |                      |

### Part II Solar Statistics Data Fields

Per Appendix A of CPUC D. 14-11-001, the following data fields must all be completed, in their entirety, in order to initiate PG&E’s interconnection review of the proposed Generating Facility. *Only complete Part II if the solar generating facility is serving as part of a Net Energy Metering (NEM2) arrangement..*

**A. Customer Sector** (Check one)

- |   |                                      |                                     |
|---|--------------------------------------|-------------------------------------|
| <input type="checkbox"/> Residential      | <input type="checkbox"/> Educational | <input type="checkbox"/> Industrial |
| <input type="checkbox"/> Commercial       | <input type="checkbox"/> Military    | <input type="checkbox"/> Non-Profit |
| <input type="checkbox"/> Other Government |                                      |                                     |



**Electric Sample Form No. 79-1174-02E**  
Rule 21 Generator Interconnection Application - Attachment E

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* \_\_\_\_\_  
*Effective* \_\_\_\_\_  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT E

### WIND TURBINE TECHNOLOGY

| Generator Information   | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|---|--|--|--|--|
| <b>Q – Warranty or Service Agreement</b><br>Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed “agreement” ensuring proper maintenance and continued system performance. | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>R - Distribution Interconnect Handbook (DIH) and Greenbook Requirements</b><br>Does this interconnection meet the DIH and Greenbook Requirements   | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>S - Gas Clearance Requirements</b><br>Certify that this interconnection meets Greenbook Gas Clearance Requirements?  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>T - Back-up Generator Operation</b><br>Will the generator be operated as a back-up?<br><br>If yes, please indicate control device.   | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker                          |
| <b>U - Limited Export</b><br>Will the generator export be limited?<br><br>If yes, please indicate how export will be limited.   | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS = <u>Option 9</u> )<br><input type="checkbox"/> Relay<br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS = <u>Option 9</u> )<br><input type="checkbox"/> Relay<br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS = <u>Option 9</u> )<br><input type="checkbox"/> Relay<br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS = <u>Option 9</u> )<br><input type="checkbox"/> Relay<br><input type="checkbox"/> Derated Inverter |



**Electric Sample Form No. 79-1174-02F**  
Rule 21 Generator Interconnection Application - Attachment F

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* \_\_\_\_\_  
*Effective* \_\_\_\_\_  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT F

### MACHINE-BASED TECHNOLOGY

| Generator Information  | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|--|--|--|--|--|
| “agreement” ensuring proper maintenance and continued system performance.  |  |  |  |  |
| <b>U - Cogeneration</b><br>Please indicate whether this Generating Facility meets the definition of cogeneration in PUC 216.6 (5% useful thermal and 42.5% efficient): | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>V - Distribution Interconnect Handbook (DIH) and Greenbook Requirements</b><br>Does this interconnection meet the DIH and Greenbook Requirements                    | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>W - Gas Clearance Requirements</b><br>Certify that this interconnection meets Greenbook Gas Clearance Requirements?   | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  | ___ Yes<br>___ No  |
| <b>X - Back-up Generator Operation</b><br>Will the generator be operated as a back-up?<br><br>If yes, please indicate control device.                                  | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker  | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker  | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker  | ___ Yes<br>___ No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker  |
| <b>Y - Limited Export</b><br>Will the generator export be limited?<br><br>If yes, please indicate how export will be limited.  | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS <u>    </u> <span style="color: red;">Option 9</span> )<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS <u>    </u> <span style="color: red;">Option 9</span> )<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS <u>    </u> <span style="color: red;">Option 9</span> )<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | ___ Yes<br>___ No<br><br><input type="checkbox"/> Power Control System (PCS <u>    </u> <span style="color: red;">Option 9</span> )<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter |



**Electric Sample Form No. 79-1174-02G**  
Rule 21 Generator Interconnection Application - Attachment G

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice*      6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* \_\_\_\_\_  
*Effective* \_\_\_\_\_  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT G

### FUEL CELL TECHNOLOGY

| Generator Information  | Existing Generator type 1  | Existing Generator type 2  | New Generator type 1   | New Generator type 2   |
|--|--|--|--|--|
| <b>R - Cogeneration</b><br>Please indicate whether this Generating Facility meets the definition of cogeneration in PUC 216.6 (5% useful thermal and 42.5% efficient): | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  |
| <b>S - Distribution Interconnect Handbook (DIH) and Greenbook Requirements</b><br>Does this interconnection meet the DIH and Greenbook Requirements                    | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  |
| <b>T - Gas Clearance Requirements</b><br>Certify that this interconnection meets Greenbook Gas Clearance Requirements?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  |
| <b>U - Back-up Generator Operation</b><br>Will the generator be operated as a back-up?<br><br>If yes, please indicate control device.                                  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Automatic Transfer Switch<br><input type="checkbox"/> Contactor<br><input type="checkbox"/> Breaker  |
| <b>V - Limited Export</b><br>Will the generator export be limited?<br><br>If yes, please indicate how export will be limited.  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Power Control System (PCS <u>    </u> <span style="color: red;">Option 9</span> )<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Power Control System (PCS <u>    </u> <span style="color: red;">Option 9</span> )<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Power Control System (PCS <u>    </u> <span style="color: red;">Option 9</span> )<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br><input type="checkbox"/> Power Control System (PCS <u>    </u> <span style="color: red;">Option 9</span> )<br><br><input type="checkbox"/> Relay<br><br><input type="checkbox"/> Derated Inverter |



**Electric Sample Form No. 79-1174-02H**  
Rule 21 Generator Interconnection Application - Attachment H

Sheet 1

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 6576-E  
*Decision*

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* \_\_\_\_\_  
*Effective* \_\_\_\_\_  
*Resolution* \_\_\_\_\_



# INTERCONNECTION APPLICATION (Form 79-1174-02)

## ATTACHMENT H

### ENERGY STORAGE TECHNOLOGY

| Generator Information  | Existing Generator type 1   | Existing Generator type 2   | New Generator type 1  | New Generator type 2  |
|--|---|---|---|---|
| <p>V - Basic Single Line Diagram (SLD)</p> <p>If the interconnection is eligible to use a Basic SLD, please include the requested information.</p><br><br><br><br><br><p>Can this system be used as a back-up generator?</p><br><br><p>If so, please include the requested information for the back-up controller or other device.</p> | <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>Storage Breaker Size (Amps)</p> <p>_____</p> <p>____ Yes<br/>____ No</p> <p>Manufacturer</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model No.</p> <p>_____</p> | <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>Storage Breaker Size (Amps)</p> <p>_____</p> <p>____ Yes<br/>____ No</p> <p>Manufacturer</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model No.</p> <p>_____</p> | <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>Storage Breaker Size (Amps)</p> <p>_____</p> <p>____ Yes<br/>____ No</p> <p>Manufacturer</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model No.</p> <p>_____</p> | <p>Panel Voltage (Volts)</p> <p>_____</p> <p>Main Breaker (Amps)</p> <p>_____</p> <p>Storage Breaker Size (Amps)</p> <p>_____</p> <p>____ Yes<br/>____ No</p> <p>Manufacturer</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model No.</p> <p>_____</p> |
| <p>W - Back-up Generator Operation</p> <p>Will the generator be operated as a back-up?</p><br><br><p>If yes, please indicate control device.</p>   | <p>____ Yes<br/>____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor<br/><input type="checkbox"/> Breaker</p>  | <p>____ Yes<br/>____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor<br/><input type="checkbox"/> Breaker</p>  | <p>____ Yes<br/>____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor<br/><input type="checkbox"/> Breaker</p>  | <p>____ Yes<br/>____ No</p> <p><input type="checkbox"/> Automatic Transfer Switch</p> <p><input type="checkbox"/> Contactor<br/><input type="checkbox"/> Breaker</p>  |
| <p>X - Limited Export</p> <p>Will the generator export be limited?</p><br><br><p>If yes, please indicate how export will be limited.</p>   | <p>____ Yes<br/>____ No</p> <p><input type="checkbox"/> Power Control System (PCS - <a href="#">Option 9</a>)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p>  | <p>____ Yes<br/>____ No</p> <p><input type="checkbox"/> Power Control System (PCS - <a href="#">Option 9</a>)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p>  | <p>____ Yes<br/>____ No</p> <p><input type="checkbox"/> Power Control System (PCS - <a href="#">Option 9</a>)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p>  | <p>____ Yes<br/>____ No</p> <p><input type="checkbox"/> Power Control System (PCS - <a href="#">Option 9</a>)</p> <p><input type="checkbox"/> Relay</p> <p><input type="checkbox"/> Derated Inverter</p>  |



**Electric Sample Form No. 79-1193**

Sheet 1

Agreement and Customer Authorization Net Energy Metering (NEM) Interconnection For Solar And/Or  
Wind Electric Generating Facilities Of 30 Kilowatts Or Less Paired  
with Energy Storage of 10 Kilowatts Or Less or Energy Storage with Power Control System Certification

**Please Refer to Attached  
Sample Form**

(Continued)

Advice 6576-E  
Decision

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted \_\_\_\_\_  
Effective \_\_\_\_\_  
Resolution \_\_\_\_\_





**Electric Sample Form No. 79-978-02**

Sheet 1

Interconnection Agreement for Net Energy Metering (NEM2) of Solar or  
Wind Electric Generating Facilities of 1,000 Kilowatts or Less, Other than Facilities of 30 Kilowatts or  
Less

**Please Refer to Attached  
Sample Form**

# INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) OF SOLAR OR WIND ELECTRIC GENERATING FACILITIES OF 1,000 KW OR LESS, OTHER THAN FACILITIES OF 30 KW OR LESS

---

- (d) the Customer-Generator provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

**All “existing inverters” are not required to be Smart Inverters and are only subject to Section H of Rule 21.** Customer-Generator replacing an “existing inverter” certifies it is being replaced with either:

- (i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or
- (ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

### 3. DOCUMENTS INCLUDED AND DEFINED TERMS

- 3.1 This Agreement includes the following exhibits that are specifically incorporated herein and made a part of this Agreement.

|            |   |
|------------|---|
| Appendix A | Description of Generating Facility and Single-Line Diagram (Supplied by Customer-Generator).  |
| Appendix B | A Copy of <i>PG&amp;E’s Agreement for Installation or Allocation of Special Facilities</i> (Forms 79-255, 79-280, 79-702) or <i>Agreements to Perform Any Tariff Related Work</i> (62-4527), if applicable (Formed by the Parties). |
| Appendix C | NEM2 Load Aggregation Customer-Generator Declaration Warranting NEM2 Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel  |

In addition, PG&E Electric Tariff Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEM2, and Customer-Generator’s otherwise-applicable rate schedule, available at PG&E’s website at [www.pge.com](http://www.pge.com) or by request, are specifically incorporated herein and made part of this Agreement.

- 3.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E’s Electric Rule 21, Section C.

### 4. CUSTOMER BILLING AND PAYMENT

Customer-Generator initially selects Pacific Gas and Electric Company’s electric rate schedule referenced in Section 2.76 of this Agreement as its otherwise-applicable rate schedule. Customer-Generator understands that they will be billed according to the otherwise-applicable rate schedule and Schedule NEM2.



**ELECTRIC SCHEDULE A-10**  
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 4

APPLICABILITY  
(CONT'D):

RATES: Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

All customers taking non TOU service under this rate schedule shall be subject to the rates set forth in Table A. All customers taking TOU service under this rate schedule shall be subject to the rates set forth in Table B.

RATES: Standard Non-Time-of-Use Rate

Table A

|  | <b>TOTAL RATES</b> |     |                 |     |                      |     |
|--|--------------------|-----|-----------------|-----|----------------------|-----|
|  | Secondary Voltage  |     | Primary Voltage |     | Transmission Voltage |     |
| <u>Total Customer/Meter Charge Rates</u> |                    |     |                 |     |                      |     |
| Customer Charge (\$ per meter per day)   | \$5.91042          | (l) | \$5.91042       | (l) | \$5.91042            | (l) |
| <u>Total Demand Rates (\$ per kW)</u>    |                    |     |                 |     |                      |     |
| Summer                                   | \$18.45            | (l) | \$18.14         | (l) | \$12.98              |     |
| Winter                                   | \$18.45            | (l) | \$18.14         | (l) | \$12.98              |     |
| <u>Total Energy Rates (\$ per kWh)</u>   |                    |     |                 |     |                      |     |
| Summer                                   | \$0.23368          | (l) | \$0.21700       | (l) | \$0.16265            | (l) |
| Winter                                   | \$0.19607          | (l) | \$0.18178       | (l) | \$0.14553            | (l) |

(Continued)



**ELECTRIC SCHEDULE A-10**  
**MEDIUM GENERAL DEMAND-METERED SERVICE**

Sheet 5

RATES: Standard Non-Time-of-Use Rates

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

**Table A (Cont'd.)**

**UNBUNDLING OF TOTAL RATES**

Customer/Meter Charge Rates: Customer and Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

| <u>Demand Rate by Components (\$ per kW)</u>      | <u>Secondary Voltage</u> |     | <u>Primary Voltage</u> |     | <u>Transmission Voltage</u> |     |
|---|--------------------------|-----|------------------------|-----|-----------------------------|-----|
| <b>Generation:</b>                                |                          |     |                        |     |                             |     |
| Summer  | \$0.00                   |     | \$0.00                 |     | \$0.00                      |     |
| Winter  | \$0.00                   |     | \$0.00                 |     | \$0.00                      |     |
| <b>Distribution**:</b>                            |                          |     |                        |     |                             |     |
| Summer  | \$7.39                   | (I) | \$7.08                 | (I) | \$1.92                      |     |
| Winter  | \$7.39                   | (I) | \$7.08                 | (I) | \$1.92                      |     |
| <b>Transmission Maximum Demand*</b>               | \$11.03                  |     | \$11.03                |     | \$11.03                     |     |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03                   |     | \$0.03                 |     | \$0.03                      |     |
| <u>Energy Rate by Components (\$ per kWh)</u>     |                          |     |                        |     |                             |     |
| <b>Generation:</b>                                |                          |     |                        |     |                             |     |
| Summer  | \$0.16657                | (I) | \$0.15019              | (I) | \$0.13010                   | (I) |
| Winter  | \$0.14481                | (I) | \$0.13136              | (I) | \$0.11298                   | (I) |
| <b>Distribution**:</b>                            |                          |     |                        |     |                             |     |
| Summer  | \$0.04412                | (I) | \$0.04420              | (I) | \$0.01057                   | (I) |
| Winter  | \$0.02827                | (I) | \$0.02781              | (I) | \$0.01057                   | (I) |
| <b>Transmission Rate Adjustments* (all usage)</b> | \$0.00167                | (I) | \$0.00167              | (I) | \$0.00167                   | (I) |
| <b>Public Purpose Programs (all usage)</b>        | \$0.01785                | (R) | \$0.01758              | (R) | \$0.01724                   | (R) |
| <b>Nuclear Decommissioning (all usage)</b>        | (\$0.00013)              |     | (\$0.00013)            |     | (\$0.00013)                 |     |
| <b>Competition Transition Charges (all usage)</b> | \$0.00024                | (I) | \$0.00024              | (I) | \$0.00024                   | (I) |
| <b>Energy Cost Recovery Amount (all usage)</b>    | (\$0.00429)              | (R) | (\$0.00429)            | (R) | (\$0.00429)                 | (R) |
| <b>Wildfire Fund Charge (all usage)</b>           | \$0.00459                | (R) | \$0.00459              | (R) | \$0.00459                   | (R) |
| <b>New System Generation Charge (all usage)**</b> | \$0.00186                | (R) | \$0.00186              | (R) | \$0.00186                   | (R) |
| <b>California Climate Credit (all usage)***</b>   | \$0.00000                |     | \$0.00000              |     | \$0.00000                   |     |
| <b>Wildfire Hardening Charge (all usage)</b>      | \$0.00120                |     | \$0.00109              |     | \$0.00080                   |     |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.  
 \*\* Distribution and New System Generation Charges are combined for presentation on customer bills.  
 \*\*\* Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



**ELECTRIC SCHEDULE A-10**  
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 6

RATES: Time-of-Use Rates for Optional or Real-Time Metering Customers

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

Table B

|  | <b>TOTAL RATES</b>       |     |                        |     |                             |     |
|--|--------------------------|-----|------------------------|-----|-----------------------------|-----|
|  | <u>Secondary Voltage</u> |     | <u>Primary Voltage</u> |     | <u>Transmission Voltage</u> |     |
| <u>Total Customer/Meter Charge Rates</u> |                          |     |                        |     |                             |     |
| Customer Charge (\$ per meter per day)   | \$5.91042                | (l) | \$5.91042              | (l) | \$5.91042                   | (l) |
| <u>Total Demand Rates (\$ per kW)</u>    |                          |     |                        |     |                             |     |
| Summer                                   | \$18.45                  | (l) | \$18.14                | (l) | \$12.98                     |     |
| Winter                                   | \$18.45                  | (l) | \$18.14                | (l) | \$12.98                     |     |
| <u>Total Energy Rates (\$ per kWh)</u>   |                          |     |                        |     |                             |     |
| Peak Summer                              | \$0.24715                | (l) | \$0.23090              | (l) | \$0.17780                   | (l) |
| Part-Peak Summer                         | \$0.24715                | (l) | \$0.23090              | (l) | \$0.17780                   | (l) |
| Off-Peak Summer                          | \$0.22037                | (l) | \$0.20558              | (l) | \$0.15315                   | (l) |
| Part-Peak Winter                         | \$0.19668                | (l) | \$0.18178              | (l) | \$0.14592                   | (l) |
| Off-Peak Winter                          | \$0.19597                | (l) | \$0.18111              | (l) | \$0.14526                   | (l) |

(Continued)

Advice 6509-E-A  
Decision

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted  
Effective  
Resolution

February 25, 2022  
March 1, 2022



**ELECTRIC SCHEDULE A-10**  
**MEDIUM GENERAL DEMAND-METERED SERVICE**

Sheet 7

RATES: Time-of-Use Rates for Optional or Real-Time Metering Customers

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

Table B (Cont'd.)

**UNBUNDLING OF TOTAL RATES**

Customer/Meter Charge Rates: Customer and Meter-charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

|   | Secondary Voltage |     | Primary Voltage |     | Transmission Voltage |     |
|---|-------------------|-----|-----------------|-----|----------------------|-----|
| <u>Demand Rate by Components (\$ per kW)</u>      |                   |     |                 |     |                      |     |
| <b>Generation:</b>                                |                   |     |                 |     |                      |     |
| Summer  | \$0.00            |     | \$0.00          |     | \$0.00               |     |
| Winter  | \$0.00            |     | \$0.00          |     | \$0.00               |     |
| <b>Distribution**:</b>                            |                   |     |                 |     |                      |     |
| Summer  | \$7.39            | (I) | \$7.08          | (I) | \$1.92               |     |
| Winter  | \$7.39            | (I) | \$7.08          | (I) | \$1.92               |     |
| <b>Transmission Maximum Demand*</b>               | \$11.03           |     | \$11.03         |     | \$11.03              |     |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03            |     | \$0.03          |     | \$0.03               |     |
| <u>Energy Rate by Components (\$ per kWh)</u>     |                   |     |                 |     |                      |     |
| <b>Generation:</b>                                |                   |     |                 |     |                      |     |
| Peak Summer                                       | \$0.18004         | (I) | \$0.16409       | (I) | \$0.14525            | (I) |
| Part-Peak Summer                                  | \$0.18004         | (I) | \$0.16409       | (I) | \$0.14525            | (I) |
| Off-Peak Summer                                   | \$0.15326         | (I) | \$0.13877       | (I) | \$0.12060            | (I) |
| Part-Peak Winter                                  | \$0.14542         | (I) | \$0.13136       | (I) | \$0.11337            | (I) |
| Off-Peak Winter                                   | \$0.14471         | (I) | \$0.13069       | (I) | \$0.11271            | (I) |
| <b>Distribution**:</b>                            |                   |     |                 |     |                      |     |
| Summer  | \$0.04412         | (I) | \$0.04420       | (I) | \$0.01057            | (I) |
| Winter  | \$0.02827         | (I) | \$0.02781       | (I) | \$0.01057            | (I) |
| <b>Transmission Rate Adjustments*</b> (all usage) | \$0.00167         | (I) | \$0.00167       | (I) | \$0.00167            | (I) |
| <b>Public Purpose Programs</b> (all usage)        | \$0.01785         | (R) | \$0.01758       | (R) | \$0.01724            | (R) |
| <b>Competition Transition Charge</b> (all usage)  | \$0.00024         | (I) | \$0.00024       | (I) | \$0.00024            | (I) |
| <b>Energy Cost Recovery Amount</b> (all usage)    | (\$0.00429)       | (R) | (\$0.00429)     | (R) | (\$0.00429)          | (R) |
| <b>Nuclear Decommissioning</b> (all usage)        | (\$0.00013)       |     | (\$0.00013)     |     | (\$0.00013)          |     |
| <b>Wildfire Fund Charge</b> (all usage)           | \$0.00459         | (R) | \$0.00459       | (R) | \$0.00459            | (R) |
| <b>New System Generation Charge</b> (all usage)** | \$0.00186         | (R) | \$0.00186       | (R) | \$0.00186            | (R) |
| <b>California Climate Credit</b> (all usage)***   | \$0.00000         |     | \$0.00000       |     | \$0.00000            |     |
| <b>Wildfire Hardening Charge</b> (all usage)      | \$0.00120         |     | \$0.00109       |     | \$0.00080            |     |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

\*\*\* Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)

Advice 6509-E-A  
Decision

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Submitted  
Effective  
Resolution

February 25, 2022  
March 1, 2022



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 4

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

| <u>Total Customer/Meter Charge Rates</u>                       | <u>Rate AG-A1</u> |     | <u>Rate AG-A2</u> |     | <u>Rate AG-B</u> |     | <u>Rate AG-C</u> |     |
|--|-------------------|-----|-------------------|-----|------------------|-----|------------------|-----|
| <b>Customer Charge</b><br>(\$ per meter per day)               | \$0.68895         |     | \$0.68895         |     | \$0.91565        |     | \$1.43343        |     |
| <b>Total Demand Rates (\$ per kW)</b>                          |                   |     |                   |     |                  |     |                  |     |
| <u>Secondary Voltage</u>                                       |                   |     |                   |     |                  |     |                  |     |
| Maximum Peak Demand Summer                                     | —                 |     | —                 |     | —                |     | \$22.36          | (I) |
| Maximum Demand Summer  | \$7.15            | (I) | \$13.06           | (I) | \$7.07           | (R) | \$12.69          | (R) |
| Maximum Demand Winter  | \$7.15            | (I) | \$13.06           | (I) | \$7.07           | (R) | \$12.69          | (R) |
| <u>Primary Voltage</u>   |                   |     |                   |     |                  |     |                  |     |
| Maximum Peak Demand Summer                                     | —                 |     | —                 |     | —                |     | \$22.36          | (I) |
| Maximum Demand Summer  | —                 |     | —                 |     | \$6.11           | (R) | \$11.36          | (R) |
| Maximum Demand Winter  | —                 |     | —                 |     | \$6.11           | (R) | \$11.36          | (R) |
| <u>Transmission Voltage</u>                                    |                   |     |                   |     |                  |     |                  |     |
| Maximum Peak Demand Summer                                     | —                 |     | —                 |     | —                |     | \$22.36          | (I) |
| Maximum Demand Summer  | —                 |     | —                 |     | \$2.37           | (R) | \$3.28           | (R) |
| Maximum Demand Winter  | —                 |     | —                 |     | \$2.37           | (R) | \$3.28           | (R) |
| <b>Total Energy Rates (\$ per kWh)</b>                         |                   |     |                   |     |                  |     |                  |     |
| Peak Summer  | \$0.45493         | (I) | \$0.38462         | (I) | \$0.44442        | (I) | \$0.20801        | (I) |
| Off-Peak Summer  | \$0.28899         | (I) | \$0.21869         | (I) | \$0.27157        | (I) | \$0.16857        | (I) |
| Peak Winter  | \$0.27862         | (I) | \$0.22558         | (I) | \$0.26750        | (I) | \$0.18022        | (I) |
| Off-Peak Winter  | \$0.24933         | (I) | \$0.19629         | (I) | \$0.23824        | (I) | \$0.15453        | (I) |
| <b>Demand Charge Rate Limiter</b>                              |                   |     |                   |     |                  |     |                  |     |
| (\$/kWh in all months, see Demand Charge Rate Limiter section) | —                 |     | —                 |     | —                |     | \$0.50           |     |
| <b>PDP Rates (Consecutive Day and Five-Hour Event Option)*</b> |                   |     |                   |     |                  |     |                  |     |
| <u>PDP Charges (\$ per kWh)</u>                                |                   |     |                   |     |                  |     |                  |     |
| All Usage During PDP Event                                     | \$0.60            | (R) | \$0.60            | (R) | \$0.60           | (R) | \$0.70           | (R) |
| <u>PDP Credits</u>   |                   |     |                   |     |                  |     |                  |     |
| <u>Demand (\$ per kW)</u>                                      |                   |     |                   |     |                  |     |                  |     |
| Peak Summer  | —                 |     | -                 |     | —                |     | (\$3.59)         | (R) |
| <u>Energy (\$ per kWh)</u>                                     |                   |     |                   |     |                  |     |                  |     |
| Peak Summer  | (\$0.08997)       | (R) | (\$0.08913)       | (R) | (\$0.10121)      | (I) | -                |     |

\* See PDP Detail, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 5

3. RATES: Total bundled service charges shown on customers' bills are unbundled according to (Cont'd.) the component rates shown below. PDP charges and credits are all generation and are not included below.

**UNBUNDLING OF TOTAL RATES**

Customer/~~Meter~~ Charge Rates: Customer/~~Meter~~ charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

| Demand Charges by Component (\$/kW) | Rate AG-A1 |     | Rate AG-A2 |     | Rate AG-B |     | Rate AG-C |     |
|-------------------------------------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| <b>Generation:</b>                  |            |     |            |     |           |     |           |     |
| Maximum Peak Demand Summer          | —          |     | —          |     | —         |     | \$15.38   | (I) |
| <b>Distribution**:</b>              |            |     |            |     |           |     |           |     |
| <u>Secondary Voltage</u>            |            |     |            |     |           |     |           |     |
| Maximum Peak Demand Summer          | —          |     | —          |     | —         |     | \$6.98    | (R) |
| Maximum Demand Summer               | \$7.15     | (I) | \$13.06    | (I) | \$7.07    | (R) | \$12.69   | (R) |
| Maximum Demand Winter               | \$7.15     | (I) | \$13.06    | (I) | \$7.07    | (R) | \$12.69   | (R) |
| <u>Primary</u>                      |            |     |            |     |           |     |           |     |
| Maximum Peak Demand Summer          | —          |     | —          |     | —         |     | \$6.98    | (R) |
| Maximum Demand Summer               | —          |     | —          |     | \$6.11    | (R) | \$11.36   | (R) |
| Maximum Demand Winter               | —          |     | —          |     | \$6.11    | (R) | \$11.36   | (R) |
| <u>Transmission</u>                 |            |     |            |     |           |     |           |     |
| Maximum Peak Demand Summer          | —          |     | —          |     | —         |     | \$6.98    | (R) |
| Maximum Demand Summer               | —          |     | —          |     | \$2.37    | (R) | \$3.28    | (R) |
| Maximum Demand Winter               | —          |     | —          |     | \$2.37    | (R) | \$3.28    | (R) |

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 9

**409. MAXIMUM-PEAK-PERIOD DEMAND** The customer's maximum-peak-period demand will be the highest of all the 15-minute averages for the peak period during the billing month.

**410. DEMAND CHARGE RATE LIMITER:** If a customer takes service on rate AG-C under Schedule AG-C, at any voltage level, bills will be controlled by a "demand charge rate limiter" during all months of the year. The bill will be reduced, if necessary, so that the average rate paid per kWh for all demand and energy charges, excluding the monthly customer charge, during all months of the year does not exceed the Demand Charge Rate Limiter shown on this schedule.

The Demand Charge Rate Limiter shall apply to all bundled service, Direct Access (DA), or Community Choice Aggregation (CCA) customers taking service on rate option AG-C under Schedule AG. DA/CCA customers will be billed as if paying full PG&E bundled Generation demand charge and energy charge rates to assess the applicability of the Demand Charge Rate Limiter, and shall receive bill adjustments on that basis, not on the basis of applicable DA/CCA Generation charges, or related PCIA and E-FFS rates. Net Energy Metering (NEM) customers shall be evaluated for the Demand Charge Rate Limiter on the basis of the energy the customer receives from PG&E prior to any bill adjustment for net exports. The Demand Charge Rate Limiter shall also apply to any AG-C customer who elects to receive separate billing for back-up and maintenance service pursuant to Special Condition 7 of Standby Schedule SB.

Demand Charge Rate Limiter applicability shall be evaluated on the basis of the full billing period, and not within a seasonal crossover or other bill segment basis. All revenue shortfalls attributable to the Demand Charge Rate Limiter will be assigned as a reduction to distribution charges. The Demand Charge Rate Limiter will apply to AG-C customer bills without regard to any incentives, charges, surcharges, or penalties associated with such programs as PDP, DRAM, BIP, and CBP.

This Demand Charge Rate Limiter provision will not apply if the customer has elected one of the following:

- Schedule AG, Rate Option AG-A1, AG-A2, or B; or
- Schedule AG-F, Rate Option A, B, or C.
- NEM aggregation, NEMA service on AG-C across multiple meter sites.
- Virtual NEM, NEMCCSF, NEMFC, NEMMT, NEM Paired Storage, NEMBIO, ~~NEMW~~, or RES-BCT.

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 10

**4211. DEFINITION OF SERVICE VOLTAGE:**

The following defines the three voltage classes of Schedule AG rates. Standard Service Voltages are listed in Rule 2, Section B.1.

- a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.
- b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.
- c. Transmission: This is the voltage class if the customer is served without transformation from PG&E's serving transmission system at one of the standard transmission voltages specified in PG&E's Rule 2, Section B.1.

PG&E retains the right to change its line voltage at any time. Customers receiving voltage discounts will get reasonable notice of any impending change. They will then have the option of taking service at the new voltage (and making whatever changes in their systems are necessary) or taking service without a voltage discount through transformers supplied by PG&E.

**4312.**

**BILLING**

A customer's bill is calculated based on the option applicable to the customer.

**Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule. Total generation charges for bundled customers include charges for the latest vintage Power Charge Indifference Adjustment shown in the Direct Access and Community Choice Aggregation section below.

**Transitional Bundled Service Customers** take transitional bundled service as prescribed in Rules 22.1 and 23.1 or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

(Continued)



**ELECTRIC SCHEDULE AG**  
TIME-OF-USE AGRICULTURAL POWER

Sheet 11

**1213.BILLING:**  
(Cont'd)

**Direct Access (DA) and Community Choice Aggregation (CCA) Customers**

purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

|  | <u>DA / CCA CRS</u> |
|--|---------------------|
| Energy Cost Recovery Amount Charge (per kWh)   | (\$0.00429)         |
| Wildfire Fund Charge (per kWh)                 | \$0.00459           |
| CTC Charge (per kWh)                           | \$0.00021           |
| Power Charge Indifference Adjustment (per kWh) |                     |
| 2009 Vintage                                   | \$0.01181           |
| 2010 Vintage                                   | \$0.01594           |
| 2011 Vintage                                   | \$0.01726           |
| 2012 Vintage                                   | \$0.01853           |
| 2013 Vintage                                   | \$0.01789           |
| 2014 Vintage                                   | \$0.01784           |
| 2015 Vintage                                   | \$0.01755           |
| 2016 Vintage                                   | \$0.01790           |
| 2017 Vintage                                   | \$0.01761           |
| 2018 Vintage                                   | \$0.01742           |
| 2019 Vintage                                   | \$0.01756           |
| 2020 Vintage                                   | \$0.01230           |
| 2021 Vintage                                   | \$0.02283           |
| 2022 Vintage                                   | \$0.02283           |

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 12

**4413.STANDBY APPLICABILITY:** SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take time-of-use service to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

**4514.WILDFIRE FUND CHARGE** The Wildfire Fund Charge was imposed by California Public Utilities Commission Decisions 19-10-056, 20-07-014, 20-09-005, and 20-09-023 and is property of Department of Water Resources (DWR) for all purposes under California law. The Charge became effective October 1, 2020, and applies to all retail sales, excluding CARE and Medical Baseline sales. The Wildfire Fund Charge (where applicable) is included in customers' total billed amounts. The Wildfire Fund Charge replaces the DWR Bond Charge imposed by California Public Utilities Commission Decisions 02-10-063 and 02-12-082.

**4615.OPTIMAL BILLING PERIOD SERVICE:** The Optimal Billing Period (OBP) service is a voluntary program available to bundled, direct access and community choice aggregation customers taking service on Rate AG-C under Schedule AG, Schedule E-19 or Schedule E-20. To qualify, a meter must have registered a demand of 500 kW or greater at least once during the most recent 12 months. The OBP service is limited to 50 service accounts with interval billed meters.

Customers electing this service must complete the "Optimal Billing Period Service Election Form" (Form 79-1111).

Decision 18-08-013 expanded the eligibility of OBP to Schedule E-19 (above 500 kW as defined above), Schedule E-20, and to direct access and community choice aggregation customers taking service on eligible schedules. Decision 18-08-013 retained the participation cap of 50 positions, and reserved 36 positions for agricultural accounts, and 14 positions for commercial and industrial accounts. Before declining participation of any otherwise eligible account based on these participation limits, PG&E will verify that all other enrolled accounts are still eligible for the program.

Customers on net energy metering Schedules VNEM, NEMBIO, NEMFC, NEMCCSF, NEMA or RES-BCT are not eligible for OBP service.

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 13

**1546.OPTIMAL BILLING PERIOD SERVICE:**  
(Cont'd)

The OBP service allows a billing cycle(s) to coincide with the customer's high seasonal production cycle. The customer designates the OBP by selecting one or both of the following:

- a) a specific month and day for the start of the OBP; and/or
- b) a specific month and day for the end of the OBP.

PG&E will use the customer's usage from the preceding twelve (12) billing months to determine eligibility for the OBP service. To qualify, the average of the previous high season monthly maximum demand must be at least double the average of the low season monthly maximum demand. The customer must also specify which six consecutive months will be their high season optimal billing period.

The start and end dates must fall within the customer's high seasonal production cycle. In no event shall any revised billing period exceed forty-five (45) days or be less than fifteen (15) days. To qualify for this option, the customer must designate an OBP of not more than six (6) months in duration.

To designate the specific date for the start or end of the OBP, a participating customer must email PG&E at least seventy-two (72) hours in advance and such email shall state in its subject line "OBP Notification." The designation may not be implemented if it is not received or if it does not contain the specified information.

Prior to receiving OBP service, the customer must pay an annual OBP fee of \$160.00 per meter. In order to retain the OBP service option in each subsequent year, the annual participation fee must be received by PG&E by the anniversary date of the contract. PG&E will bill the annual OBP fee upon the anniversary date of the contract unless the customer terminates the contract. For billing purposes, the annual participation fee shall be assigned to Distribution.

**A. No Retroactive Application**

No customer shall be entitled to a refund associated with the OBP service for costs that might have been avoided had the service been available at an earlier point in time.

**B. Customer Notification to PG&E**

A customer must have at least 12 months of usage on a specific meter before the OBP service can be received on that particular meter. Also, a customer must provide notice to PG&E of their intention to obtain OBP service at least ninety (90) days before the start of the program.



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

Sheet 14

**1716. PEAK DAY PRICING**

- a. **Default Provision:** The default of eligible customers to PDP will occur once per year with the start of their billing cycle after March 1. Eligible customers will have at least 45-days notice prior to their planned default date when they may opt-out of PDP rates to take service on TOU rates. During the 45-day period, customers will continue to take service on their non-PDP rate. Customers may elect any applicable PDP rate. However, if the customers taking service on this schedule have not made that choice or elected to opt-out to a TOU rate at least five (5) days before their proposed default date, their service will be defaulted to the PDP version of this rate schedule on their default date.

In March 2022, customers who are enrolled in the version of PDP with 5 pm – 8 pm PDP Event Hours (5 to 8 PDP) will be transitioned to a version of PDP with 4 pm – 9 pm PDP Event Hours (4 to 9 PDP).

Starting in March 2022, 5 to 8 PDP will be discontinued, and only 4 to 9 PDP will be available with the AG schedule on the new rates with later TOU hours.

Bundled service Net Energy Metering (NEM) customers taking service on Schedule NEM, NEMV, NEMVMASH, NEM2, NEM2V, or NEM2VMASH are eligible for default to PDP and to opt-in to PDP. NEM customers on NEMBIO, NEMFC, NEMCCSF, and NEMA are not eligible for PDP. The NEM Annual True-Up billing date, and the first year PDP Bill Stabilization date in section b below, may be independent 12-month periods. After the first year on PDP, NEM credits can offset PDP charges. PDP credits and charges will be provided for exported generation. All PDP billing for NEM customers will be based on net usage during each 15-minute interval.

- b. **Capacity Reservation Level:** Customers on the AG-C rate may elect a capacity reservation level (CRL) and pay for a fixed level of capacity, specified in kW. While the CRL is applicable year round, customers electing a CRL will be billed on a take-or-pay basis up to the specified CRL under the non-PDP rate of this schedule during the summer period (June 1 through September 30). This means that customers will be billed for summer peak generation demand charges up to the level of their CRL, even in summer months when the actual demand might be less than their CRL. Customers will receive PDP credits on summer usage above the CRL on all summer-period days. All usage during a PDP event protected under the CRL will be billed at the non-PDP rate. All usage above the CRL (as measured in 15-minute intervals), and not protected during a PDP event, will be billed at the PDP rate. If a customer fails to elect an initial CRL, the customer's initial CRL will be set at 50% of its most recent full summer season average peak-period maximum demand and may go back to the previous year to make a full summer season (if available). If the customer has not established any historic summer billing demand, the CRL will be set at zero (0). The CRL for all customers, including NEM customers, must be greater than or equal to zero (0). A customer may only elect to change their CRL once every 12 months.
- c. **Bill Stabilization:** PDP customers will be offered bill stabilization for the initial twelve (12) months unless they opt-out during their initial 45-day period. Bill stabilization ensures that during the initial 12 months under PDP, the customer will not pay more than it would have had it opted-out to the applicable TOU rate.

(Continued)



**ELECTRIC SCHEDULE AG**  
**TIME-OF-USE AGRICULTURAL POWER**

**1617. PEAK DAY PRICING (Cont'd.):**

**d. Bill Stabilization (Cont'd.):**

If a customer terminates its participation on the PDP rate prior to the initial 12 month period expiring, the customer will receive bill stabilization up to the date when the customer terminates its participation. Bill stabilization benefits will be computed on a cumulative basis, based on the earlier of 1) when a customer terminates its participation on the PDP rate or 2) at the end of the initial 12-month period. Any applicable credits will be applied to the customer's account on a subsequent regular bill. Bill stabilization is only available one time per customer. If a customer un-enrolls or terminates its participation on a PDP rate, bill stabilization will not be offered again.

Active 5 to 8 PDP customers who have not completed 12-months of bill stabilization by the time they are transitioned to 4 to 9 PDP in their March 2022 billing cycle will seamlessly continue with their bill stabilization under 4 to 9 PDP until 12-months have elapsed since their initial enrollment in 5 to 8 PDP, or until they optionally unenroll from 4 to 9 PDP before 12-months.

5 to 8 PDP customers who have already received 12-months of bill stabilization, will not receive bill stabilization for a second time when they are transitioned to 4 to 9 PDP.

**e. Notification Equipment:** At the customer's option and expense, it is recommended, but not required that a customer provide a phone number or an e-mail address to receive automated voice, text, or email notification messages of a PDP event from PG&E.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

**f. PG&E website.** This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your Account" website may be different from the actual bill.

**g. Program Operations:** A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 4:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

PG&E may conduct outreach/notification by any available channel (direct mail, phone call, email and/or text) for PDP customers.

(Continued)



**ELECTRIC SCHEDULE AG  
TIME-OF-USE AGRICULTURAL POWER**

Sheet 16

**4716. PEAK DAY PRICING  
(Cont'd.):**

- h. **Event Cancellation or Reduction:** PG&E may initiate the cancellation of a PDP event before 5:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits. PG&E may also cancel PDP events by 5:00 p.m. on a day-ahead basis or on the Event Day itself in response to an emergency situation, such as a proclamation of a state of emergency and/or disaster by a local, state and/or federal government.
- i. **Program Options:** Customers on Schedules AG-A1, AG-A2 or AG-B may customize their PDP participation by choosing either a) no limit on the number of consecutive PDP events or b) every other PDP event. Customers electing every other PDP event will be divided into two groups and only be subject to a maximum of one-half of the PDP events called and the corresponding PDP rate credits will be reduced by 50%. Customers that do not elect an option will be defaulted to the no limit on the number of consecutive PDP events. The duration of PDP Event Operations for both options will be from p.m.4:00 p.m. to 9:00 p.m. (five-hour window).
- j. **Event Trigger:** PG&E will trigger a PDP event when the day-ahead temperature forecast trigger is reached. The trigger will be the average of the day-ahead maximum temperature forecasts for San Jose, Concord, Red Bluff, Sacramento and Fresno.

Beginning June 1 of each summer season, the PDP events on non-holiday weekdays will be triggered at 98 degrees Fahrenheit (°F), and will be triggered at 105°F on holidays and weekends. If needed, PG&E will adjust the non-holiday weekday trigger up or down over the course of the summer to achieve the range of 9 to 15 PDP events in any calendar year. Such adjustments would be made no more than twice per month and would be posted on PG&E's PDP Website.

PDP events may also be initiated as warranted on a day-ahead basis by 1) extreme system conditions such as special alerts issued by the California Independent System Operator, 2) under conditions of high forecasted California spot market power prices, 3) to meet annual PDP event limits for a calendar year, or 4) for testing/evaluation purposes.

- k. **Program Terms:** A customer may opt-out anytime during its initial 12 months on a PDP rate. After the initial 12 months, customer's participation will be in accordance with Electric Rule 12.

Customers may opt-out of a PDP rate at anytime to enroll in another demand response program beginning May 1, 2011.

- l. **Interaction with Other PG&E Demand Response Programs:** Pursuant to D.18-11-029, customers on a PDP rate may no longer participate in another demand response program offered by PG&E or a third-party demand response provider as of October 26, 2018. If dual enrolled in BIP and PDP prior to October 26, 2018 then participation will be capped at the customer's subscribed megawatt level as of December 10, 2018. New dual enrollment in BIP and PDP as of October 26, 2018 is no longer available. If a NEM customer is on PDP, the customer cannot participate in a third-party Demand Response program unless it ceases to be a PDP customer. If a third-party signs a NEM customer up under Rule 24 at the CAISO, the customer is automatically removed from PDP.



**ELECTRIC SCHEDULE AG-F**  
FLEXIBLE OFF-PEAK TIME-OF-USE AGRICULTURAL POWER

Sheet 5

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

| <u>Total Customer/Meter Charge Rates</u>      | <u>Rate A</u> |     | <u>Rate B</u> |     | <u>Rate C</u> |     |
|---|---------------|-----|---------------|-----|---------------|-----|
| <b>Customer Charge</b> (\$ per meter per day) | \$0.68895     |     | \$0.91565     |     | \$1.43343     |     |
| <b>Total Demand Rates</b> (\$ per kW)         |               |     |               |     |               |     |
| <u>Secondary Voltage</u>                      |               |     |               |     |               |     |
| Maximum Peak Demand Summer                    | —             |     | —             |     | \$22.36       | (I) |
| Maximum Demand Summer                         | \$7.15        | (I) | \$7.07        | (R) | \$12.69       | (R) |
| Maximum Demand Winter                         | \$7.15        | (I) | \$7.07        | (R) | \$12.69       | (R) |
| <u>Primary Voltage</u>                        |               |     |               |     |               |     |
| Maximum Peak Demand Summer                    | —             |     | —             |     | \$22.36       | (I) |
| Maximum Demand Summer                         | —             |     | \$6.11        | (R) | \$11.36       | (R) |
| Maximum Demand Winter                         | —             |     | \$6.11        | (R) | \$11.36       | (R) |
| <u>Transmission Voltage</u>                   |               |     |               |     |               |     |
| Maximum Peak Demand Summer                    | —             |     | —             |     | \$22.36       | (I) |
| Maximum Demand Summer                         | —             |     | \$2.37        | (R) | \$3.28        | (R) |
| Maximum Demand Winter                         | —             |     | \$2.37        | (R) | \$3.28        | (R) |
| <b>Total Energy Rates</b> (\$ per kWh)        |               |     |               |     |               |     |
| Peak Summer                                   | \$0.49517     | (I) | \$0.46696     | (I) | \$0.23994     | (I) |
| Off-Peak Summer                               | \$0.29156     | (I) | \$0.27613     | (I) | \$0.19521     | (I) |
| Peak Winter                                   | \$0.32607     | (I) | \$0.30402     | (I) | \$0.20891     | (I) |
| Off-Peak Winter                               | \$0.24565     | (I) | \$0.23569     | (I) | \$0.18096     | (I) |

(Continued)



**ELECTRIC SCHEDULE AG-F**  
FLEXIBLE OFF-PEAK TIME-OF-USE AGRICULTURAL POWER

Sheet 6

3. RATES: Total bundled service charges shown on customers' bills are unbundled according (Cont'd.) to the component rates shown below.

**UNBUNDLING OF TOTAL RATES**

Customer/Meter Charge Rates: Customer/Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

| Demand Charge by Component (\$/kW) | Rate A |     | Rate B |     | Rate C  |     |
|------------------------------------|--------|-----|--------|-----|---------|-----|
| <b>Generation:</b>                 |        |     |        |     |         |     |
| Maximum Peak Demand Summer         | —      |     | —      |     | \$15.38 | (I) |
| <b>Distribution**:</b>             |        |     |        |     |         |     |
| <u>Secondary Voltage</u>           |        |     |        |     |         |     |
| Maximum Peak Demand Summer         | —      |     | —      |     | \$6.98  | (R) |
| Maximum Demand Summer              | \$7.15 | (I) | \$7.07 | (R) | \$12.69 | (R) |
| Maximum Demand Winter              | \$7.15 | (I) | \$7.07 | (R) | \$12.69 | (R) |
| <u>Primary Voltage</u>             |        |     |        |     |         |     |
| Maximum Peak Demand Summer         | —      |     | —      |     | \$6.98  | (R) |
| Maximum Demand Summer              | —      |     | \$6.11 | (R) | \$11.36 | (R) |
| Maximum Demand Winter              | —      |     | \$6.11 | (R) | \$11.36 | (R) |
| <u>Transmission Voltage</u>        |        |     |        |     |         |     |
| Maximum Peak Demand Summer         | —      |     | —      |     | \$6.98  | (R) |
| Maximum Demand Summer              | —      |     | \$2.37 | (R) | \$3.28  | (R) |
| Maximum Demand Winter              | —      |     | \$2.37 | (R) | \$3.28  | (R) |

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE B-10**  
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 3

RATE:

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

|   | TOTAL RATES       |                 |                      |
|---|-------------------|-----------------|----------------------|
|   | Secondary Voltage | Primary Voltage | Transmission Voltage |
| <u>Total Customer/Meter Charge Rates</u>                      |                   |                 |                      |
| Customer Charge<br>(\$ per meter per day)                     | \$5.91042 (I)     | \$5.91042 (I)   | \$5.91042 (I)        |
| <u>Total Demand Rates (\$ per kW)</u>                         |                   |                 |                      |
| Summer  | \$16.96 (I)       | \$16.73 (I)     | \$13.13              |
| Winter  | \$16.96 (I)       | \$16.73 (I)     | \$13.13              |
| <u>Total Energy Rates (\$ per kWh)</u>                        |                   |                 |                      |
| Peak Summer   | \$0.31297 (I)     | \$0.29542 (I)   | \$0.22689 (I)        |
| Part-Peak Summer  | \$0.25128 (I)     | \$0.23712 (I)   | \$0.17015 (I)        |
| Off-Peak Summer   | \$0.21871 (I)     | \$0.20628 (I)   | \$0.14008 (I)        |
| Peak Winter   | \$0.23670 (I)     | \$0.22256 (I)   | \$0.17384 (I)        |
| Off-Peak Winter   | \$0.20122 (I)     | \$0.18893 (I)   | \$0.14100 (I)        |
| Super Off-Peak Winter   | \$0.16488 (I)     | \$0.15259 (I)   | \$0.10466 (I)        |
| <u>PDP Rates (Consecutive Day and Five-Hour Event Option)</u> |                   |                 |                      |
| <u>PDP Charges (\$ per kWh)</u>                               |                   |                 |                      |
| All Usage During PDP Event                                    | \$0.90            | \$0.90          | \$0.90               |
| <u>PDP Credits Energy (\$ per kWh)</u>                        |                   |                 |                      |
| Peak Summer   | (\$0.07825) (R)   | (\$0.07825) (R) | (\$0.07825) (R)      |
| Part-Peak Summer  | (\$0.02710) (R)   | (\$0.02710) (R) | (\$0.02710) (R)      |

\* See PDP Details, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

(Continued)



**ELECTRIC SCHEDULE B-10**  
**MEDIUM GENERAL DEMAND-METERED SERVICE**

Sheet 4

**RATES:**

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.

**UNBUNDLING OF TOTAL RATES**

**Customer/Meter Charge Rates:** Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

|   | Secondary Voltage |     | Primary Voltage |     | Transmission Voltage |     |
|---|-------------------|-----|-----------------|-----|----------------------|-----|
| <b>Demand Rate by Components (\$ per kW)</b>      |                   |     |                 |     |                      |     |
| <b>Generation:</b>                                |                   |     |                 |     |                      |     |
| Summer  | -                 |     | -               |     | -                    |     |
| Winter  | -                 |     | -               |     | -                    |     |
| <b>Distribution**:</b>                            |                   |     |                 |     |                      |     |
| Summer  | \$5.90            | (I) | \$5.67          | (I) | \$2.07               |     |
| Winter  | \$5.90            | (I) | \$5.67          | (I) | \$2.07               |     |
| <b>Transmission Maximum Demand*</b>               | \$11.03           |     | \$11.03         |     | \$11.03              |     |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03            |     | \$0.03          |     | \$0.03               |     |
| <b>Energy Rate by Components (\$ per kWh)</b>     |                   |     |                 |     |                      |     |
| <b>Generation:</b>                                |                   |     |                 |     |                      |     |
| Peak Summer                                       | \$0.23643         | (I) | \$0.21901       | (I) | \$0.19480            | (I) |
| Part-Peak Summer                                  | \$0.17474         | (I) | \$0.16071       | (I) | \$0.13806            | (I) |
| Off-Peak Summer                                   | \$0.14217         | (I) | \$0.12987       | (I) | \$0.10799            | (I) |
| Peak Winter                                       | \$0.17838         | (I) | \$0.16437       | (I) | \$0.14175            | (I) |
| Off-Peak Winter                                   | \$0.14290         | (I) | \$0.13074       | (I) | \$0.10891            | (I) |
| Super Off-Peak Winter                             | \$0.10656         | (I) | \$0.09440       | (I) | \$0.07257            | (I) |
| <b>Distribution**:</b>                            |                   |     |                 |     |                      |     |
| Summer  | \$0.05355         | (I) | \$0.05380       | (I) | \$0.01011            | (I) |
| Winter  | \$0.03533         | (I) | \$0.03558       | (I) | \$0.01011            | (I) |
| <b>Transmission Rate Adjustments*</b> (all usage) | \$0.00167         | (I) | \$0.00167       | (I) | \$0.00167            | (I) |
| <b>Public Purpose Programs</b> (all usage)        | \$0.01785         | (R) | \$0.01758       | (R) | \$0.01724            | (R) |
| <b>Competition Transition Charge</b> (all usage)  | \$0.00024         | (I) | \$0.00024       | (I) | \$0.00024            | (I) |
| <b>Energy Cost Recovery Amount</b> (all usage)    | (\$0.00429)       | (R) | (\$0.00429)     | (R) | (\$0.00429)          | (R) |
| <b>Nuclear Decommissioning</b> (all usage)        | (\$0.00013)       |     | (\$0.00013)     |     | (\$0.00013)          |     |
| <b>Wildfire Fund Charge</b> (all usage)           | \$0.00459         | (R) | \$0.00459       | (R) | \$0.00459            | (R) |
| <b>New System Generation Charge</b> (all usage)** | \$0.00186         | (R) | \$0.00186       | (R) | \$0.00186            | (R) |
| <b>California Climate Credit</b> (all usage)***   | \$0.00000         |     | \$0.00000       |     | \$0.00000            |     |
| <b>Wildfire Hardening Charge</b> (all usage)      | \$0.00120         |     | \$0.00109       |     | \$0.00080            |     |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

\*\*\* Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



**ELECTRIC SCHEDULE B-19**  
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 4

3. RATES: Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**BUNDLED TOTAL RATES**

|  | Secondary Voltage | Primary Voltage | Transmission Voltage |
|--|-------------------|-----------------|----------------------|
| <b>Total Customer Charge Rates</b>                                     |                   |                 |                      |
| Customer Charge Mandatory B-19 (\$ per meter per day)                  | \$29.69217 (I)    | \$45.18407 (I)  | \$50.81693 (I)       |
| Customer Charge with SmartMeter™ Voluntary B-19 (\$ per meter per day) | \$5.91042 (I)     | \$5.91042 (I)   | \$5.91042 (I)        |
| <b>Total Demand Rates (\$ per kW)</b>                                  |                   |                 |                      |
| Maximum Peak Demand Summer   | \$31.45 (I)       | \$27.80 (I)     | \$12.72 (I)          |
| Maximum Part-Peak Demand Summer  | \$6.37 (I)        | \$5.69 (I)      | \$3.18 (I)           |
| Maximum Demand Summer  | \$25.59 (R)       | \$21.05 (R)     | \$14.45 (I)          |
| Maximum Peak Demand Winter   | \$2.24 (I)        | \$1.65 (I)      | \$1.22 (I)           |
| Maximum Demand Winter  | \$25.59 (R)       | \$21.05 (R)     | \$14.45 (I)          |
| <b>Total Energy Rates (\$ per kWh)</b>                                 |                   |                 |                      |
| Peak Summer  | \$0.19746 (I)     | \$0.17695 (I)   | \$0.16434 (I)        |
| Part-Peak Summer   | \$0.15983 (I)     | \$0.14831 (I)   | \$0.15230 (I)        |
| Off-Peak Summer  | \$0.13323 (I)     | \$0.12341 (I)   | \$0.12666 (I)        |
| Peak Winter  | \$0.17356 (I)     | \$0.16142 (I)   | \$0.16595 (I)        |
| Off-Peak Winter  | \$0.13312 (I)     | \$0.12358 (I)   | \$0.12700 (I)        |
| Super Off-Peak Winter  | \$0.07886 (I)     | \$0.06972 (I)   | \$0.06970 (I)        |
| Power Factor Adjustment Rate (\$/kWh/%)                                | \$0.00005         | \$0.00005       | \$0.00005            |
| <b>PDP Rates</b>   |                   |                 |                      |
| PDP Charges (\$ per kWh)   |                   |                 |                      |
| All Usage During PDP Event   | \$0.90 (R)        | \$0.90 (R)      | \$0.90 (R)           |
| PDP Credits  |                   |                 |                      |
| Demand (\$ per kW)   |                   |                 |                      |
| Peak Summer  | (\$6.78) (R)      | (\$5.31) (I)    | (\$4.14) (R)         |
| Part-Peak Summer   | (\$0.99) (R)      | (\$0.78) (I)    | (\$1.04) (R)         |
| Energy (\$ per kWh)  |                   |                 |                      |
| Peak Summer  | \$0.00000         | \$0.00000       | \$0.00000            |
| Part-Peak Summer   | \$0.00000         | \$0.00000       | \$0.00000            |

(Continued)



**ELECTRIC SCHEDULE B-6**  
SMALL GENERAL TIME-OF-USE SERVICE

Sheet 3

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

Total Customer/Meter Charge Rates

|   |           |
|---|-----------|
| Customer Charge Single-phase (\$ per meter per day) | \$0.32854 |
| Customer Charge Poly-phase (\$ per meter per day)   | \$0.82136 |

Total Energy Rates (\$ per kWh)

|                       |           |     |
|-----------------------|-----------|-----|
| Peak Summer           | \$0.41465 | (I) |
| Off-Peak Summer       | \$0.29671 | (I) |
| Peak Winter           | \$0.30704 | (I) |
| Off-Peak Winter       | \$0.28729 | (I) |
| Super Off-Peak Winter | \$0.27088 | (I) |

PDP Rates (Consecutive Day and Five-Hour Event Option)\*

|                            |             |     |
|----------------------------|-------------|-----|
| PDP Charges (\$ per kWh)   |             |     |
| All Usage During PDP Event | \$0.60      |     |
| PDP Credits                |             |     |
| Energy (\$ per kWh)        |             |     |
| Peak Summer                | (\$0.06983) | (R) |

\* See PDP Details, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

(Continued)



**ELECTRIC SCHEDULE E-20**  
SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE

Sheet 4

1. APPLICABILITY: **Option R for Solar:** The Option R rate is available to qualifying customers taking Bundled, DA and CCA service under Schedule E-20. Eligible customers must have solar photovoltaic (PV) systems that provide 15% or more of their annual electricity usage. For additional Option R details and program specifics, see Sections 3 and 18.  
(Cont'd.)
2. TERRITORY: Schedule E-20 applies everywhere PG&E provides electric service.
3. RATES: Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing

**TOTAL RATES**

| <u>Total Customer/Meter Charge Rates</u>                 | <u>Secondary Voltage</u> | <u>Primary Voltage</u> | <u>Transmission Voltage</u> |
|--|--------------------------|------------------------|-----------------------------|
| Customer Charge Mandatory E-20<br>(\$ per meter per day) | \$53.72582 (l)           | \$53.45785 (l)         | \$36.57149 (l)              |
| <br>   |                          |                        |                             |
| Total Demand Rates (\$ per kW)                           |                          |                        |                             |
| Maximum Peak Demand Summer                               | \$17.06 (l)              | \$17.11 (l)            | \$15.02 (l)                 |
| Maximum Part-Peak Demand Summer                          | \$13.90 (l)              | \$14.56 (l)            | \$15.02 (l)                 |
| Maximum Demand Summer                                    | \$28.61 (l)              | \$26.15 (l)            | \$13.55                     |
| Maximum Part-Peak Demand Winter                          | \$0.00                   | \$0.00                 | \$0.00                      |
| Maximum Demand Winter                                    | \$28.61 (l)              | \$26.15 (l)            | \$13.55                     |
| <br>   |                          |                        |                             |
| Total Energy Rates (\$ per kWh)                          |                          |                        |                             |
| Peak Summer  | \$0.13402 (l)            | \$0.12932 (l)          | \$0.11401 (l)               |
| Part-Peak Summer   | \$0.13402 (l)            | \$0.12932 (l)          | \$0.11401 (l)               |
| Off-Peak Summer  | \$0.12810 (l)            | \$0.12356 (l)          | \$0.10834 (l)               |
| Part-Peak Winter   | \$0.12551 (l)            | \$0.12109 (l)          | \$0.10591 (l)               |
| Off-Peak Winter  | \$0.12480 (l)            | \$0.12042 (l)          | \$0.10525 (l)               |
| <br>   |                          |                        |                             |
| <b>Power Factor Adjustment Rate (\$/kWh%)</b>            | \$0.00005                | \$0.00005              | \$0.00005                   |

(Continued)



**ELECTRIC SCHEDULE E-20**  
SERVICE TO CUSTOMERS WITH MAXIMUM  
DEMANDS of 1000 KILOWATTS or MORE

Sheet 5

3. RATES: (Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

**UNBUNDLING OF TOTAL RATES**

Customer/Meter Charge Rates: Customer ~~and meter~~ charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

| Demand Rates by Component (\$ per kW)             | Secondary Voltage | Primary Voltage | Transmission Voltage |
|---|-------------------|-----------------|----------------------|
| <b>Generation:</b>                                |                   |                 |                      |
| Maximum Peak Demand Summer                        | \$11.80 (I)       | \$12.61 (I)     | \$15.02 (I)          |
| Maximum Part-Peak Demand Summer                   | \$11.80 (I)       | \$12.61 (I)     | \$15.02 (I)          |
| Maximum Demand Summer                             | \$0.00            | \$0.00          | \$0.00               |
| Maximum Part-Peak Demand Winter                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Winter                             | \$0.00            | \$0.00          | \$0.00               |
| <b>Distribution**:</b>                            |                   |                 |                      |
| Maximum Peak Demand Summer                        | \$5.26 (I)        | \$4.50 (I)      | \$0.00               |
| Maximum Part-Peak Demand Summer                   | \$2.10            | \$1.95 (I)      | \$0.00               |
| Maximum Demand Summer                             | \$15.73 (I)       | \$13.27 (I)     | \$0.67               |
| Maximum Part-Peak Demand Winter                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Winter                             | \$15.73 (I)       | \$13.27 (I)     | \$0.67               |
| <b>Transmission Maximum Demand*</b>               | \$12.85           | \$12.85         | \$12.85              |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03            | \$0.03          | \$0.03               |
| <u>Energy Rates by Component (\$ per kWh)</u>     |                   |                 |                      |
| <b>Generation:</b>                                |                   |                 |                      |
| Peak Summer                                       | \$0.11260 (I)     | \$0.10889 (I)   | \$0.09529 (I)        |
| Part-Peak Summer                                  | \$0.11260 (I)     | \$0.10889 (I)   | \$0.09529 (I)        |
| Off-Peak Summer                                   | \$0.10668 (I)     | \$0.10313 (I)   | \$0.08962 (I)        |
| Part-Peak Winter                                  | \$0.10409 (I)     | \$0.10066 (I)   | \$0.08719 (I)        |
| Off-Peak Winter                                   | \$0.10338 (I)     | \$0.09999 (I)   | \$0.08653 (I)        |
| <b>Distribution**:</b>                            |                   |                 |                      |
| Peak Summer                                       | \$0.00000         | \$0.00000       | \$0.00000            |
| Part-Peak Summer                                  | \$0.00000         | \$0.00000       | \$0.00000            |
| Off-Peak Summer                                   | \$0.00000         | \$0.00000       | \$0.00000            |
| Part-Peak Winter                                  | \$0.00000         | \$0.00000       | \$0.00000            |
| Off-Peak Winter                                   | \$0.00000         | \$0.00000       | \$0.00000            |
| <b>Transmission Rate Adjustments*</b> (all usage) | \$0.00167 (I)     | \$0.00167 (I)   | \$0.00167 (I)        |
| <b>Public Purpose Programs</b> (all usage)        | \$0.01689 (R)     | \$0.01600 (R)   | \$0.01459 (R)        |
| <b>Nuclear Decommissioning</b> (all usage)        | (\$0.00013)       | (\$0.00013)     | (\$0.00013)          |
| <b>Competition Transition Charge</b> (all usage)  | \$0.00021 (I)     | \$0.00020 (I)   | \$0.00019 (I)        |
| <b>Energy Cost Recovery Amount</b> (all usage)    | (\$0.00429) (R)   | (\$0.00429) (R) | (\$0.00429) (R)      |
| <b>Wildfire Fund Charge</b> (all usage)           | \$0.00459 (R)     | \$0.00459 (R)   | \$0.00459 (R)        |
| <b>New System Generation Charge</b> (all usage)** | \$0.00155 (R)     | \$0.00155 (R)   | \$0.00155 (R)        |
| <b>Wildfire Hardening Charge</b> (all usage)      | \$0.00093         | \$0.00084       | \$0.00055            |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE E-20**  
SERVICE TO CUSTOMERS WITH MAXIMUM  
DEMANDS of 1000 KILOWATTS or MORE

Sheet 6

3. RATES: (Cont'd.)

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing

**TOTAL RATES FOR OPTION R**  
**(for qualifying solar customers as set forth in Section 16)**

|  | Secondary<br>Voltage | Primary<br>Voltage | Transmission<br>Voltage |
|--|----------------------|--------------------|-------------------------|
| <u>Total Customer/Meter Charge Rates</u>                 |                      |                    |                         |
| Customer Charge Mandatory E-20<br>(\$ per meter per day) | \$53.72582 (I)       | \$53.45785 (I)     | \$36.57149 (I)          |
| <br>   |                      |                    |                         |
| <u>Total Demand Rates (\$ per kW)</u>                    |                      |                    |                         |
| Maximum Peak Demand Summer                               | \$1.31               | \$1.13 (I)         | \$0.00                  |
| Maximum Part-Peak Demand Summer                          | \$0.53 (I)           | \$0.49             | \$0.00                  |
| Maximum Demand Summer                                    | \$28.61 (I)          | \$26.15 (I)        | \$13.55                 |
| Maximum Part-Peak Demand Winter                          | \$0.00               | \$0.00             | \$0.00                  |
| Maximum Demand Winter                                    | \$28.61 (I)          | \$26.15 (I)        | \$13.55                 |
| <br>   |                      |                    |                         |
| <u>Total Energy Rates (\$ per kWh)</u>                   |                      |                    |                         |
| Peak Summer  | \$0.22914 (I)        | \$0.22512 (I)      | \$0.18332 (I)           |
| Part-Peak Summer   | \$0.19698 (I)        | \$0.19305 (I)      | \$0.16588 (I)           |
| Off-Peak Summer  | \$0.14986 (I)        | \$0.14612 (I)      | \$0.13846 (I)           |
| Part-Peak Winter   | \$0.14727 (I)        | \$0.14365 (I)      | \$0.13603 (I)           |
| Off-Peak Winter  | \$0.14656 (I)        | \$0.14298 (I)      | \$0.13537 (I)           |
| <br>   |                      |                    |                         |
| <b>Power Factor Adjustment Rate (\$/kWh/%)</b>           | \$0.00005            | \$0.00005          | \$0.00005               |

(Continued)



**ELECTRIC SCHEDULE E-20**  
SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE

Sheet 7

3. Rates: (Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

**UNBUNDLING OF TOTAL RATES FOR OPTION R**  
(for qualifying solar customers as set forth in Section 16)

Customer/Meter Charge Rates: Customer ~~and meter~~ charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

| Demand Rates by Components (\$ per kW)            | Secondary Voltage | Primary Voltage | Transmission Voltage |
|---|-------------------|-----------------|----------------------|
| <b>Generation:</b>                                |                   |                 |                      |
| Maximum Peak Demand Summer                        | \$0.00            | \$0.00          | \$0.00               |
| Maximum Part-Peak Demand Summer                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Summer                             | \$0.00            | \$0.00          | \$0.00               |
| Maximum Part-Peak Demand Winter                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Winter                             | \$0.00            | \$0.00          | \$0.00               |
| <b>Distribution**:</b>                            |                   |                 |                      |
| Maximum Peak Demand Summer                        | \$1.31            | \$1.13 (I)      | \$0.00               |
| Maximum Part-Peak Demand Summer                   | \$0.53 (I)        | \$0.49          | \$0.00               |
| Maximum Demand Summer                             | \$15.73 (I)       | \$13.27 (I)     | \$0.67               |
| Maximum Part-Peak Demand Winter                   | \$0.00            | \$0.00          | \$0.00               |
| Maximum Demand Winter                             | \$15.73 (I)       | \$13.27 (I)     | \$0.67               |
| <b>Transmission Maximum Demand*</b>               | \$12.85           | \$12.85         | \$12.85              |
| <b>Reliability Services Maximum Demand*</b>       | \$0.03            | \$0.03          | \$0.03               |
| <b>Energy Rates by Component (\$ per kWh)</b>     |                   |                 |                      |
| <b>Generation:</b>                                |                   |                 |                      |
| Peak Summer                                       | \$0.17045 (I)     | \$0.17090 (I)   | \$0.16460 (I)        |
| Part-Peak Summer                                  | \$0.15548 (I)     | \$0.15343 (I)   | \$0.14716 (I)        |
| Off-Peak Summer                                   | \$0.12844 (I)     | \$0.12569 (I)   | \$0.11974 (I)        |
| Part-Peak Winter                                  | \$0.12585 (I)     | \$0.12322 (I)   | \$0.11731 (I)        |
| Off-Peak Winter                                   | \$0.12514 (I)     | \$0.12255 (I)   | \$0.11665 (I)        |
| <b>Distribution**:</b>                            |                   |                 |                      |
| Peak Summer                                       | \$0.03727 (R)     | \$0.03379 (R)   | \$0.00000            |
| Part-Peak Summer                                  | \$0.02008 (R)     | \$0.01919 (R)   | \$0.00000            |
| Off-Peak Summer                                   | \$0.00000         | \$0.00000       | \$0.00000            |
| Part-Peak Winter                                  | \$0.00000         | \$0.00000       | \$0.00000            |
| Off-Peak Winter                                   | \$0.00000         | \$0.00000       | \$0.00000            |
| <b>Transmission Rate Adjustments*</b> (all usage) | \$0.00167 (I)     | \$0.00167 (I)   | \$0.00167 (I)        |
| <b>Public Purpose Programs</b> (all usage)        | \$0.01689 (R)     | \$0.01600 (R)   | \$0.01459 (R)        |
| <b>Nuclear Decommissioning</b> (all usage)        | (\$0.00013)       | (\$0.00013)     | (\$0.00013)          |
| <b>Competition Transition Charge</b> (all usage)  | \$0.00021 (I)     | \$0.00020 (I)   | \$0.00019 (I)        |
| <b>Energy Cost Recovery Amount</b> (all usage)    | (\$0.00429) (R)   | (\$0.00429) (R) | (\$0.00429) (R)      |
| <b>Wildfire Fund Charge</b> (all usage)           | \$0.00459 (R)     | \$0.00459 (R)   | \$0.00459 (R)        |
| <b>New System Generation Charge</b> (all usage)** | \$0.00155 (R)     | \$0.00155 (R)   | \$0.00155 (R)        |
| <b>Wildfire Hardening Charge</b> (all usage)      | \$0.00093         | \$0.00084       | \$0.00055            |

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE E-6  
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 6

SPECIAL  
CONDITIONS:  
(Cont'd.)

7. **COMMON-AREA ACCOUNTS:** Common-area accounts that are separately metered by PG&E have a one-time option of switching to an applicable general service rate schedule by notifying PG&E in writing. Common-area accounts are those accounts that provide electric service to Common Use Areas as defined in Rule 1.

Accounts that switch to a general service tariff will have one, and possibly two, opportunities to return to a residential rate schedule. Please see Common-Area Accounts Section of General Service Schedules A-1, A-6, A-10, and E-19 for more details.

8. **BILLING:** A customer's bill is calculated based on the option applicable to the customer.

**Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and conditions set forth in this schedule. Total generation charges for bundled customers include charges for the latest vintage Power Charge Indifference Adjustment shown in the Direct Access and Community Choice Aggregation section below.

**Transitional Bundled Service Customers** take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

**Direct Access (DA) and Community Choice Aggregation (CCA) Customers** purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

(Continued)



**ELECTRIC SCHEDULE E-TOU-C**  
RESIDENTIAL TIME-OF-USE (PEAK PRICING 4 - 9 p.m. EVERY DAY)

Sheet 6

SPECIAL  
CONDITIONS:  
(Cont'd.)

8. BILLING: A customer's bill is calculated based on the option applicable to the customer.

**Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and conditions set forth in this schedule. Total generation charges for bundled customers include charges for the latest vintage Power Charge Indifference Adjustment shown in the Direct Access and Community Choice Aggregation section below.

Qualifying customers will be provided with bill protection for 12 months from the date they enroll onto the rate and up to the date they un-enroll from the rate or become ineligible, whichever occurs first. Bill protection shall be calculated based on comparing this rate to the standard tiered non-TOU rate. The following customers are not eligible for bill protection: customers on Schedule NEM2, NEM2V, or NEM2VMSH, also known as the NEM 2.0 tariff riders, who start or transfer service on or after October 1, 2020, and customers who opt-in to E-TOU-C from another Time-of-Use rate plan. PG&E will continue to offer bill protection to existing tiered customers that opt into the default TOU rate before and during the initial default TOU migration period.

The amount of bill protection is defined as the difference between what the customer paid on rate schedule E-TOU-C based on their usage and what they would have paid on the standard tiered non-TOU rate, schedule E-1. The rate from which the customer transferred to E-TOU-C is not taken into account for this calculation. Bill protection benefits will be computed on a cumulative basis at the end of 12 months or when the customer un-enrolls from the rate schedule (whichever occurs first), and any applicable credits will be applied to the customer's account on the next regular bill. Bill protection is applicable to a customer only once at a particular premise, even if the customer stays on the rate for less than 12 months. After the customer has completed 12 months on this rate schedule, bill protection will no longer apply.

Customers will receive a bill protection credit automatically, if applicable, under any of the circumstances below:

- (a) Customer stops or transfers service.
- (b) Customer moves from PG&E bundled service to Community Choice Aggregator (CCA) service. If the customer continues on the CCA version of this tariff, they will receive an additional 12 months of bill protection on the non-generation portion of their bill provided the transition happens before the end of the auto-transition period.
- (c) Customer transitions to Net Energy Metering Successor Tariff.
- (d) Customer opts out of Smart Meter™.

(Continued)



**ELECTRIC SCHEDULE NEM2  
NET ENERGY METERING SERVICE**

Sheet 13

SPECIAL  
CONDITIONS:  
(Cont'd.)

3. INTERCONNECTION: Prior to receiving approval for Parallel Operation, the customer-generator must submit a completed PG&E application form and interconnection agreement as follows:

| Rate Option         | Application  | Interconnection Agreement   |
|---------------------|--|---|
| NEM2S               | For Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less:<br><br><i>Application - Net Energy Metering (NEM2) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Form 79-1151B-02)<sup>4</sup></i> | <i>Agreement and Customer Authorization – Net Energy Metering (NEM2) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Form 79-1151A-02)<sup>4</sup></i>                |
| NEM2EXP<br>NEM2EXPM | For Solar and/or Wind Net Energy Metering (NEM2) Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less:<br><br><i>Generating Facility Interconnection Application, (Form 79-1174-02)</i>                               | <i>Interconnection Agreement for Net Energy Metering (NEM2) of Solar or Wind Electric Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less (Form 79-1198-02978-02)</i>   |
|                     | For Net Energy Metering (NEM2) non-Solar and/or Wind Generating Facilities of any size, and Solar and/or Wind Generating Facilities greater than 1,000 kW:<br><br><i>Generating Facility Interconnection Application, (Form 79-1174-02)</i>                      | <i>Interconnection Agreement For Net Energy Metering (NEM2) non-Solar and/or Wind Generating Facilities of any size, and Solar and/or Wind Generating Facilities greater than 1,000 kW (Form 79-1198-021437-02)</i> |

<sup>4</sup> Both the Agreement and Customer Authorization (79-1151A-02) and Application (79-1151B-02) forms must have been submitted before PG&E will issue the Permission to Operation (PTO) letter. Information in the Application can be submitted by the Company or Customer in an electronic format, subject to approval by PG&E. (T)

(Continued)



**ELECTRIC SCHEDULE NEM2  
NET ENERGY METERING SERVICE**

Sheet 14

SPECIAL  
CONDITIONS:  
(Cont'd.)

3. INTERCONNECTION: (Cont'd.)

| Rate Option                                | Application   | Interconnection Agreement   |
|--|---|---|
| NEMPS                                      | For NEMPS (Special Condition 9) for projects that meet NEM integrity requirements                                     |   |
|  | <i>Generating Facility Interconnection Application, (Form 79-1174-02)</i>   | <b>79-1193-02- AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less or Energy Storage with Power Control System Certification</b> |
| NEM2, NEM2EXP, NEM2A, or NEM2MT > 1,000 kW | <i>Generating Facility Interconnection Application (Form 79-1174-02)</i>  | <b>Rule 21 Generator Interconnection Agreement for New Energy Metering (NEM-2) Generating Facilities Greater than 1,000 Kilowatts Interconnecting Under the Fast Track Process (Form 79-11441198-02)</b>  |
|  |   | <b>Rule 21 Generator Interconnection Agreement (GIA) for Net Energy Metering (NEM2) Generating Facilities Greater than 1,000 Kilowatts Interconnecting Under the Independent Study, Distribution Study, or Transmission Cluster Process (Form 79-11611198-02)</b>                     |
| NEM2MT                                     | For customer-generators ≤ 1 MW taking service as a Multiple Tariff Facility under Special Condition 4 of this tariff: |   |
|  | <i>Generating Facility Interconnection Application (Form 79-1174-02)</i>  | <b>Generating Facility Interconnection Agreement (NEM2MT - Multiple Tariff) (Form 79-1069-02)</b>   |
| NEM2A                                      | NEM2 Load Aggregation ≤ 1 MW  |   |
|  | Along with the applicable interconnection form above, also submit:  |   |
|  | <b>NEM2 Load Aggregation Appendix (Form 79-1202)</b>  |   |
| NEM2CDCR                                   | See Special Condition 7   |   |

(Continued)



**ELECTRIC SCHEDULE NEM2  
NET ENERGY METERING SERVICE**

Sheet 25

SPECIAL  
CONDITIONS:  
(Cont'd.)

- 6. LOAD AGGREGATION – NEM2A: (Cont'd.)
    - c. Billing Service Charges – An eligible customer-generator electing Load Aggregation shall remit service charges for the cost of providing billing services as follows. These charges shall include:
      - 1) One-Time Setup Charge of \$25.00 per Aggregated Account and for the Generating Account, as defined in this Special Condition, and cumulatively, shall be limited to no more than \$500 per Load Aggregation Arrangement. Any change to the number of accounts included in a NEM2A arrangement is subject to this one-time fee. This Setup Charge shall be assessed without regard to the \$500 limit for accounts added after the PTO date.
- Plus,
- 2) Monthly Charge of \$5 Per Aggregated Account and for the Generating Account as defined in this Special Condition.

7. CALIFORNIA DEPARTMENT OF CORRECTIONS AND REHABILITATION (CDCR)

“Eligible customer-generator” includes the Department of Corrections and Rehabilitation using a renewable electrical generation technology, or a combination of renewable electrical generation technologies, with a total capacity of not more than eight megawatts, that is located on the department’s owned, leased, or rented premises, and is interconnected and operates in parallel with the electrical grid, and is intended primarily to offset part or all of the facility’s own electrical requirements.

The amount of any wind generation exported to the electrical grid shall not exceed 1.35 megawatt at any time. CDCR Eligible Customer Generators are subject to Network and/or Distribution upgrade costs in accordance with Rule 21 Section D.13.e.

CDCR shall use Interconnection Application Form 79-1174-02 to apply under this Special Condition. In addition to submitting the application form, CDCR will notify PG&E at [Rule21gen@pge.com](mailto:Rule21gen@pge.com) of the Generating Facility’s size, and if applicable, any allocation between NEM2 and non-NEM2 generation.

(Continued)

Advice 4980-E  
Decision 16-01-044

Issued by  
**Steven Malnight**  
Senior Vice President  
Regulatory Affairs

Date Filed December 16, 2016  
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Resolution



**ELECTRIC RATE SCHEDULE RES-BCT**  
**SCHEDULE FOR LOCAL GOVERNMENT**  
**RENEWABLE ENERGY SELF-GENERATION BILL CREDIT TRANSFER**

Sheet 11

SPECIAL  
CONDITIONS  
(Cont'd):

2. BILLING (Continued)

h) The True-up (continued):

If any additional Bill Credit pursuant to Special Condition 2 (c) and (d) and the previous paragraph still remains, PG&E will review the true-up bills for the Generating Account and Benefiting Accounts to determine if any charges for the generation component of the energy charge, as described in Section 2(e), remain to be credited. If yes, PG&E will apply the remaining Bill Credit to the Designated Benefiting Account (as indicated on Appendix A of Form 79-1112) equal to the lesser of: (a) these remaining charges or (b) the remaining Bill Credit. Because the Generating Account must be trueed up first, it cannot be the Designated Benefiting Account unless PG&E is able to arrange for all of the Arrangement's meters to be read on the same date.

3. INTERCONNECTION

Prior to receiving approval for Parallel Operation, the Eligible RES-BCT Customer must submit a completed PG&E RES-BCT Application and interconnection documents as follows:

| Rate Option | Application  | Interconnection Agreement |
|-------------|--|---------------------------|
| RES-BCT     | Online Rule 21 Generator Interconnection Application (79-1174-02) – replaces application in 79-1112  |                           |
|             | <del>RES-BCT Application – Form Local Government Application for A RES-BCT Arrangement To Take Service on Rate Schedule RES-BCT With Interconnected Eligible Renewable Generation of Not More Than 5 megawatts (Form 79-1112) (only one form required per Arrangement)</del> |                           |
|             | <del>Addendum A – Annual Solar Energy Credit Allocation Sheet</del>  |                           |
|             | <del>Generating Facility Interconnection Application (Form 79-974)</del>   |                           |
|             | <del>Generating Facility Interconnection Agreement (Form 79-1191973)</del>   |                           |
|             | <del>Other related interconnection documents as required by Rule 21</del>  |                           |
| RES-BCTB    | No forms required  |                           |

All costs associated with interconnection of an Eligible Renewable Generating Facility at the Generating Account are the responsibility of the Eligible RES-BCT Customer. For purposes of this paragraph, "interconnection" has the same meaning as defined in Public Utilities Code Section 2803, except that it applies to the interconnection of an eligible renewable generating facility rather than the energy source of a private energy producer. Costs will be as described in PG&E's Electric Rule 21.



**ELECTRIC RULE NO. 14**

Sheet 3

**SHORTAGE OF SUPPLY AND INTERRUPTION OF DELIVERY**

**ELECTRIC EMERGENCY PLAN ROTATING BLOCK OUTAGES FOR TRANSMISSION LEVEL CUSTOMERS**

For the purposes of this Section only, transmission level customers are those customers that are served from a "single customer substation" as defined in PG&E's Electric Rule 1 or without transformation at one of the standard transmission voltages specified in PG&E's Electric Rule 2, Section B.1.

Transmission level customers, except for those customers meeting the CPUC's criteria for essential use or those otherwise exempt from rotating outages in accordance with CPUC Decisions, will be incorporated into PG&E's rotating outage block plan and subjected to load interruptions when rotating block outages are ordered by the ISO. PG&E will, to the extent practical, follow the applicable principles and procedures specified in PG&E's Electric Rule 14, by the CPUC, and by the ISO. To the extent feasible, PG&E will coordinate rotating outages applicable to customers who are fossil fuel producers, pipeline operators and users to minimize disruption to public health and safety. PG&E shall not include a transmission level customer in an applicable rotating outage block if the customer's inclusion would jeopardize system integrity. Transmission level customers who are not exempt from rotating outages may submit an Optional Binding Mandatory Curtailment (OBMC) Plan to PG&E in accordance with PG&E's Electric Schedule OBMC. If PG&E approves a customer's OBMC Plan, the customer will become exempt from rotating outages and will be subject to the terms and conditions of PG&E's Electric Schedule OBMC and its associated agreement.

Non-exempt transmission level customers shall be required to undergo rotating outages applicable to the customer's assigned rotating outage block by either (1) implementing the load reduction on their own initiative, in accordance with subsection a, below; or (2) having PG&E implement the load reduction through PG&E-owned remote-controlled equipment in accordance with subsection b, below. A transmission level customer shall normally be subject to the provisions of subsection a. If PG&E approves a transmission level customer's request to have PG&E implement the customer's load reduction, then the customer will be subject to the provisions of subsection b, below. If a transmission level customer subject to subsection a, below, exceeds the threshold specified in subsection c below, then the customer will be subject to the provisions of subsection c.(i) or (ii), below.

(Continued)

Advice 4643-E  
Decision

Issued by  
**Steven Malnight**  
Senior Vice President  
Regulatory Affairs

Date Filed May 21, 2015  
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Resolution



**ELECTRIC RULE NO. 19**  
**MEDICAL BASELINE QUANTITIES**

Sheet 3

~~D. LIFE-SUPPORT DEVICES (Con't)~~

~~The term "life-support device" includes, but is not limited to, respirators, iron-lungs, hemodialysis machines, suction machines, electric nerve stimulators, pressure pads and pumps, aerosol tents, electrostatic and ultrasonic nebulizers, compressors, IPPB machines, and motorized wheelchairs.~~

E. HEATING AND AIR CONDITIONING

Special heating and/or air-conditioning needs will qualify you for a Standard Medical Baseline Quantity under this rule only if your main source of energy for heating or air conditioning is electricity delivered by PG&E. (If your main source of energy for heating or air conditioning is gas, please see Rule 19 in the gas tariff schedule.)

F. ADDITIONAL MEDICAL BASELINE QUANTITIES

If you believe that more than the Standard Medical Baseline Quantity of 16.438 kWh per day is needed to operate the life-support device(s) in your home or maintain the temperature required by the qualifying medical condition, you may apply for additional medical quantities. Please contact PG&E at 1-800-743-5000 for assistance.

If PG&E finds that you need more than the standard 16.438 kWh per day, it will increase your daily Medical Baseline Quantity. In determining how many Additional Quantities you will be assigned, PG&E will round its calculation of your total daily kWh medical needs up to the nearest increment of 16.438 kWh.

G. MEDICAL BASELINE QUANTITIES FOR MASTER-METERED CUSTOMERS

Residential tenants of master-metered customers can also qualify for Medical Baseline Quantities. If one or more of your tenants have a medical condition that qualifies under the conditions listed above, please visit [pge.com/medicalbaseline](http://pge.com/medicalbaseline) or contact your local PG&E office to find out how to apply.

If you submeter your tenants, any Medical Baseline Quantities must be passed on to the qualifying tenant(s) when you bill tenants for the electricity they use.



**ELECTRIC RULE NO. 21**  
GENERATING FACILITY INTERCONNECTIONS

Sheet 30

C. DEFINITIONS (Cont'd.)

~~**Parallel Operation:** The simultaneous operation of a Generator with power delivered or received by Distribution Provider while Interconnected. For the purpose of this Rule, Parallel Operation includes only those Generating Facilities that are Interconnected with Distribution Provider's Distribution or Transmission System for more than 60 cycles (one second).~~

~~**Paralleling Device:** An electrical device, typically a circuit breaker, operating under the control of a synchronization relay or by a qualified operator to connect an energized generator to an energized electric power system or two energized power systems to each other.~~

**Party, Parties:** Applicant or Distribution Provider.

**Periodic Test:** A test performed on part or all of a Generating Facility/Interconnection Facilities at pre-determined time or operational intervals to achieve one or more of the following: 1) verify specific aspects of its performance; 2) calibrate instrumentation; and 3) verify and re-establish instrument or Protective Function set-points.

**Permissive Operation:** The Smart Inverter is allowed, but not required, to operate at any current level.

**Point of Common Coupling (PCC):** The transfer point for electricity between the electrical conductors of Distribution Provider and the electrical conductors of Producer.

**Point of Interconnection:** The point where the Interconnection Facilities connect with Distribution Provider's Distribution or Transmission System. This may or may not be coincident with the Point of Common Coupling.

**Pre-Construction Activities:** The actions by Distribution Provider, other than those required by an Engineering and Procurement Agreement under Section F.3.f, undertaken prior to Construction Activities in order to prepare for the construction of Distribution Provider's Interconnection Facilities, Distribution Upgrades, or Network Upgrades assigned to the Interconnection Customer, including, but not limited to, preliminary engineering, permitting activities, environmental analysis, or other activities specifically needed to obtain governmental approvals for Distribution Provider's Interconnection Facilities, Distribution Upgrades, or Network Upgrades.

(Continued)

Advice 5187-E-A  
Decision 16-06-052

Issued by  
**Robert S. Kenney**  
Vice President, Regulatory Affairs

Date Filed May 31, 2018  
Effective June 30, 2018  
Resolution

**PG&E Gas and Electric  
Advice Submittal List  
General Order 96-B, Section IV**

AT&T  
Albion Power Company

Alta Power Group, LLC  
Anderson & Poole

Atlas ReFuel  
BART

Barkovich & Yap, Inc.  
Braun Blasing Smith Wynne, P.C.  
California Cotton Ginners & Growers Assn  
California Energy Commission

California Hub for Energy Efficiency  
Financing

California Alternative Energy and  
Advanced Transportation Financing  
Authority  
California Public Utilities Commission  
Calpine

Cameron-Daniel, P.C.  
Casner, Steve  
Center for Biological Diversity

Chevron Pipeline and Power  
City of Palo Alto

City of San Jose  
Clean Power Research  
Coast Economic Consulting  
Commercial Energy  
Crossborder Energy  
Crown Road Energy, LLC  
Davis Wright Tremaine LLP  
Day Carter Murphy

Dept of General Services  
Don Pickett & Associates, Inc.  
Douglass & Liddell

East Bay Community Energy Ellison  
Schneider & Harris LLP  
Engineers and Scientists of California

GenOn Energy, Inc.  
Goodin, MacBride, Squeri, Schlotz &  
Ritchie  
Green Power Institute  
Hanna & Morton  
ICF  
International Power Technology

Intertie

Intestate Gas Services, Inc.  
Kelly Group  
Ken Bohn Consulting  
Keyes & Fox LLP  
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated  
Waste Management Task Force  
MRW & Associates  
Manatt Phelps Phillips  
Marin Energy Authority  
McClintock IP  
McKenzie & Associates

Modesto Irrigation District  
NLine Energy, Inc.  
NRG Solar

OnGrid Solar  
Pacific Gas and Electric Company  
Peninsula Clean Energy

Pioneer Community Energy

Public Advocates Office

Redwood Coast Energy Authority  
Regulatory & Cogeneration Service, Inc.  
SCD Energy Solutions  
San Diego Gas & Electric Company

SPURR  
San Francisco Water Power and Sewer  
Sempra Utilities

Sierra Telephone Company, Inc.  
Southern California Edison Company  
Southern California Gas Company  
Spark Energy  
Sun Light & Power  
Sunshine Design  
Tecogen, Inc.  
TerraVerde Renewable Partners  
Tiger Natural Gas, Inc.

TransCanada  
Utility Cost Management  
Utility Power Solutions  
Uplight  
Water and Energy Consulting Wellhead  
Electric Company  
Western Manufactured Housing  
Communities Association (WMA)  
Yep Energy