

January 29, 2024

**Advice 7155-E**

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

**Subject: Modifications to Pacific Gas and Electric Company's Net Billing Tariff (NBT) Rate Schedule Per Resolution E-5301, Ordering Paragraph 5**

**Purpose**

Pursuant to Ordering Paragraph (OP) 5 of Resolution E-5301, Pacific Gas and Electric Company (PG&E) submits this Tier 2 advice letter to modify the Electric Schedule NBT Tariff as specified in the Resolution. These modifications shall become effective July 1, 2024.

**Background**

Senate Bill (SB) 656 (Alquist, Stats. 1995, ch. 369), codified at Section 2827 to the Public Utilities Code, established net energy metering in California. The statute directed every electric utility in California to develop a standard contract or tariff to allow eligible customer-generators (customers who own and operate an electrical generating facility to offset part or all their own electrical requirements) to receive a financial credit on their electric bills for energy fed back to the utility's grid.

In 2013, Assembly Bill (AB) 327 (Perea, Stats. 2013, ch. 611) added Section 2827.1 to the Public Utilities Code and mandated that the Commission adopt a successor to the existing net energy metering tariff. Subsequently, the Commission approved Decision (D.) 16-01-044, which adopted a revised net energy metering tariff, now referred to as NEM2.

On December 15, 2022, the Commission adopted D. 22-12-056, making significant modifications to the current Net Energy Metering tariff (NEM2) and establishing the new Net Billing Tariff (NBT). On January 30, 2023, PG&E filed a Tier 2 advice letter to create the Net Billing Tariff. This Advice Letter was protested and therefore PG&E submitted a supplemental Advice Letter (AL 6848 E-A) on March 24, 2023, to address the changes made in response to the protest. On November 30, 2023, Resolution E-5301 approved PG&E's Net Billing Tariff Advice Letters (with the modifications made by AL 6848 E-A) effective upon the Resolution's effective date. The Resolution also directed PG&E to further modify its tariff in accordance with requirements set forth in the Resolution, with such modifications becoming effective as of July 1, 2024.

## **Summary of Tariff Revisions**

PG&E makes the following modifications to the Electric Schedule NBT to comply with Resolution E-5301 OP 5:

- Added language to Sheet 1 to address OP 5h to clarify that customers applying to oversize their systems expect increased usage to materialize within 12 months of interconnection.
- Deleted language on Sheet 4 to address OP 5c to remove language prohibiting NBT-enrolled customers from being compensated for exports in demand response programs.
- Added language to Sheet 10 and 11 to address OP 5d to clarify the criteria for determining eligibility for the retail export compensation rate lock-in period and glide path.
- Added language to Sheet 10 to address OP 5a to clarify the components of the Avoided Cost Calculator that are under PG&E jurisdiction in the case of unbundled customers.
- Added language to Sheet 16 to address OP 5b to clarify that NBT customers with remaining excess generation credits or excess delivery credits at the end of their relevant period will be carried forward to the next relevant period.
- Revised language on Sheet 17 to address OP 5b to clarify that excess credits will not be set to zero at the start of the next Relevant Period if the customer has excess generation credits or excess delivery credits.
- Revised language on Sheet 22 to address OP 5j to clarify rules for the calculation of system size(s).

In addition to the above, PG&E also added a footnote in Sheet 5 to address OP 4 to clarify the requirements for eligibility for low-income treatment under the net billing tariff.

## **Protests**

Anyone wishing to protest this submittal may do so by letter sent electronically via E-mail, no later than February 19, 2024, which is 21<sup>1</sup> days after the date of this submittal. Protests must be submitted to:

CPUC Energy Division  
ED Tariff Unit  
E-mail: EDTariffUnit@cpuc.ca.gov

The protest shall also be electronically sent to PG&E via E-mail at the address shown below on the same date it is electronically delivered to the Commission:

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<sup>1</sup> Pursuant to Rule 1.5 of General Order 96-B, PG&E requests to extend the protest period by one additional day because twenty days following the submission of this advice letter is Sunday, February 18, 2024.

Sidney Bob Dietz II  
Director, Regulatory Relations  
c/o Megan Lawson  
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name and e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

### **Effective Date**

Pursuant to General Order (GO) 96-B, Rule 5.2, and OP 5 of Resolution E-5301, this advice letter is submitted with a Tier 2 designation. PG&E requests that this Tier 2 advice submittal become effective on **July 1, 2024**.

### **Notice**

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically to parties shown on the attached list and the parties on the service list for R.20-08-020, R.14-07-002 and A.16-07-015. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process\_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

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/S/

Sidney Bob Dietz II  
Director, Regulatory Relations  
CPUC Communications

Attachments:

Attachment 1: Clean Tariffs

Attachment 2: Redline Tariff Revisions

cc: Service List R.20-08-020, R.14-07-002 and A.16-07-015



# 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 (U 39 E)

Utility type:

- ELC       GAS       WATER  
 PLC       HEAT

Contact Person: Stuart Rubio

Phone #: 279-789-6210

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: stuart.rubio@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) #: 7155-E

Tier Designation: 2

Subject of AL: Modifications to Pacific Gas and Electric Company's Net Billing Tariff (NBT) Rate Schedule Per Resolution E-5301, Ordering Paragraph 5

Keywords (choose from CPUC listing): Compliance, Tariffs

AL Type:  Monthly  Quarterly  Annual  One-Time  Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: Res.E-5301

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: N/A

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: 7/1/24

No. of tariff sheets: 11

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

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
57251-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 1	55791-E
57252-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 4	55792-E
57253-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 5	55442-E
57254-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 10	56815-E
57255-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 11	55794-E
57256-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 12	55449-E
57257-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 16	55453-E
57258-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 17	55454-E
57259-E	ELECTRIC SCHEDULE NBT NET BILLING TARIFF (NBT) SERVICE Sheet 22	55459-E
57260-E	ELECTRIC TABLE OF CONTENTS Sheet 1	57163-E
57261-E	ELECTRIC TABLE OF CONTENTS Sheet 7	57086-E



**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 1

**APPLICABILITY:** This Net Billing Tariff (NBT) Schedule pursuant to Decision (D.) 22-12-056 is applicable to a customer (hereinafter “eligible customer-generator” or “customer”) who uses a Renewable Electrical Generation Facility (REGF), as defined below. The NBT schedule may also be referred to as the “Solar Billing Plan” in customer-facing communications.

Residential customers taking service on NBT must take service on the E-ELEC (ELECTRIC HOME) rate schedule and if applicable may choose to enroll in critical peak pricing (PG&E’s SmartRate) or peak day pricing rates. Non-Residential customers may take service on any open applicable time-of-use rate schedule. This NBT Schedule does not offer load Aggregation.

To be eligible on this NBT Schedule, customer’s REGF (as defined below) must be (a) located on the customer’s owned, leased, or rented Premises (as defined in PG&E’s Electric Rule 1); (b) interconnected to, and operating in parallel with, PG&E’s transmission and distribution systems; and (c) intended primarily to offset the customer’s own electrical requirements. However, customer is allowed to oversize their REGF to meet expected increased future electrical usage (i.e., increased electrical usage resulting from an electric vehicle or other electrical appliances to support electrification) by executing the NBT Oversized Generating Facility Attestation. Under such circumstances, the REGF’s estimated annual production should be no larger than:

- a. 150 percent of the Customer’s most recent 12 months of total usage; or
- b. 150 percent of the Customer’s estimated annual usage (for new construction and/or customers that do not yet have 12 months of usage only); or
- c. If the Customer attests to having recently increased their usage, 150 percent of the Customer’s current usage projected over 12 months.

The expected increased electrical usage should correspond with the size of the REGF and should be expected to materialize within 12 months from issuance of Permission to Operate (PTO). (T)

Pursuant to Decision (D.) 22-12-056, Electric Schedule NEM2 (Net Energy Metering Service (the NEM2 tariff)<sup>2</sup> will close to customers requesting interconnection for new REGFs, or modified REGFs exceeding the allowable threshold (10% of original REGF or 1 kW), after April 14, 2023. Customers applying for interconnection after April 14, 2023, will take service on this NBT Schedule, unless they are applying for NEM2 Load Aggregation. Customers who do not submit complete applications for interconnection by April 14, 2023, will interconnect under the terms of this NBT Schedule.

<sup>2</sup>[https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC\\_SCHEDS\\_NEM2.pdf](https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM2.pdf)

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**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 4

APPLICABILITY Change of party Customers, NEM/NEM2 Transition Eligible Customers, or  
(Cont'd.) NEM/NEM2 Voluntary Transition Customers making any Material Modification (e.g.,  
upgrade the inverter, pursuant to Rule 21) to previously approved PG&E  
NEM/NEM2/NBT solar and/or wind turbine electrical generating facilities or other  
Renewable Electrical Generation Facility are not eligible for this provision and must,  
where required by Rule 21, complete the interconnection process in Special  
Condition 3 of this tariff.

When the builder/developer of a home or commercial property sells a new property during the NBT application process, after the builder/developer completes the NBT Application and Interconnection Agreement and otherwise meets all of PG&E's requirements for the NBT project, but prior to PG&E providing final written approval for Parallel Operation on Schedule NBT, PG&E may treat the new homeowner/Customer as a Change of-party Customer, as defined above.

**Demand Response Programs**

NBT customers may choose to enroll in Peak Day Pricing or Critical Peak Pricing rates.

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Advice 7155-E  
Decision

Issued by  
**Shilpa Ramaiya**  
Vice President  
Regulatory Proceedings and Rates

Submitted January 29, 2024  
Effective July 1, 2024  
Resolution E-5301



**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 5

DEFINITIONS

**Key Definitions:**

**Renewable Electrical Generating Facility (REGF)**

A REGF means a generating facility that generates electricity by using:

- a) biomass,
- b) solar thermal,
- c) photovoltaic,
- d) wind,
- e) geothermal,
- f) fuel cells using renewable fuels,
- g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible REGF if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
- h) digester gas,
- i) municipal solid waste conversion,
- j) landfill gas,
- k) ocean wave,
- l) ocean thermal, or
- m) tidal current,

and any additions or enhancements to the facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined 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>.

**Low-Income Customers**

For the purposes of the NBT, a Low-Income customer is defined as residential customers who are one or more of the following:

- a) Enrolled in California Alternate Rates for Energy (CARE) or the Family Electric Rates Assistance (FERA) programs; or
- b) Resident-owners of single-family homes living in disadvantaged communities<sup>3</sup> (as defined in D.18-06-027); or (T)
- c) Residential customers who live in California Indian Country (as defined in D.20-12-003).

<sup>2</sup> The RPS Guidebooks can be found at: [Renewables Portfolio Standard - RPS | California Energy Commission](#)

<sup>3</sup> Pursuant to Ordering Paragraph 4 of Resolution E-5301, to establish that a customer is a resident-owner of a single-family home in a disadvantaged community eligible for low-income treatment (higher ACC Plus), PG&E will verify that the customer has a single electric meter that is on an applicable residential electric rate (i.e., has residential account). (N)  
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**ELECTRIC SCHEDULE NBT  
NET BILLING TARIFF (NBT) SERVICE**

Sheet 10

RATES:  
(Cont'd.)

For both residential and nonresidential customers who submit a complete interconnection application on or after April 15, 2023 and no later than December 31, 2027, Export Compensation Rates will be based on a "locked-in" nine-year schedule of values for each hour from the most recent CPUC Avoided Cost Calculator, adopted as of January 1 of the calendar year of the customer's completed interconnection application date. After the nine-year lock-in period, measured from the date of issuance of PTO, the Export Compensation Rates will be based on averaged hourly avoided cost values from the most recent Avoided Cost Calculator, adopted as of January 1 of the applicable calendar year. Customers enrolling on NBT after its initial five years of availability will not receive a locked-in nine-year schedule for their Export Compensation Rate and will instead be compensated at the average hourly avoided cost values from the most recent Avoided Cost Calculator, adopted as of January 1 of the applicable calendar year in which the compensation is being provided. The Export Compensation Rate values are posted at <https://www.pge.com/energyexportcredit>.

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Pursuant to Decision 22-12-056, section 8.5.1, NBT customers: (1) may choose to exit their lock-in periods early but may not re-enter them after exiting; and (2) who exit their lock-in period early will subsequently receive export compensation rates calculated using the most recently adopted Avoided Cost Calculator.

For Customers enrolled in the California Alternate Rates for Energy (CARE) and Family Electric Rates Assistance (FERA), the CARE and FERA discount shall not be applied to the retail export compensation rate.

**Methodology for calculating the Export Compensation Rate based on ACC:**

The Export Compensation Rates for a given installation vintage of customers in a given calendar year are based on the applicable vintage of Avoided Cost Calculator (ACC) forecast of values for that year. Because the ACC outputs different values by climate zone and for every hour of the year, the following process is used to aggregate values into a single set of values for each month, day-type, and hour for all PG&E customers. Export rates are split into generation components (based on the Energy, Generation Capacity, Cap and Trade, Ancillary Services, and Losses components of the ACC) and delivery components (based on the Distribution Capacity, Transmission Capacity, GHG Adder, GHG Rebalancing, and Methane Leakage components of the ACC). Bundled customers are eligible to receive both generation components and delivery components from PG&E, while unbundled customers will only receive delivery components from PG&E.

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1. For each Climate Zone, create a set of 8760 hourly avoided costs using the ACC value for the Delivery components. Generation components do not vary by climate zone, so only a single set for generation Export Compensation Rate is necessary to collect.
2. Create a simple average value for each hour of the climate zone specific delivery components.
3. Because the Avoided Cost Calculator output is in Pacific Standard Time, adjust time and hour labels to account for daylight savings time, and identify weekdays and weekend/holidays.

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**ELECTRIC SCHEDULE NBT  
NET BILLING TARIFF (NBT) SERVICE**

Sheet 11

RATES:

**Methodology for calculating the Export Compensation Rate based on ACC (Cont'd):**

(Cont'd.)

4. For each monthly Delivery and Generation components, calculate the average of all prices by hour, per weekday and weekend. This calculation will render the Export Compensation Rate components (Delivery and Generation) for each month's weekday and weekend values.

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5. Apply floor of \$0/kWh to Delivery and Generation components of the Export Compensation Rate.

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6. For each hour and weekday/weekend, the full Export Compensation Rate will then be the sum of the corresponding Generation and the Delivery components for that hour/ weekday/ weekend.

**D. Avoided Cost Calculator Plus (ACC Plus)**

An Avoided Cost Calculator Plus (ACC Plus) adder, in the form of a credit in cents per kilowatt-hour exported, is available to residential NBT customers who interconnect during the first five years of the tariff. The ACC Plus applicable to a given customer will be based on the customer's calendar year of completed interconnection application date. The ACC Plus available to new NBT customers will decrease over five years as shown in the table below. The applicable ACC Plus adder will remain constant for a customer for nine years from the customer's Permission to Operate (PTO) date. The ACC Plus may also be referred to as the "Energy Export Bonus Credit" in customer-facing materials.

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<b>Adopted Avoided Cost Calculator Plus Adder (ACC Plus)</b>					
<b>Customer Segment</b>	<b>2023 \$/kWh</b>	<b>2024 \$/kWh</b>	<b>2025 \$/kWh</b>	<b>2026 \$/kWh</b>	<b>2027 \$/kWh</b>
<b>Residential</b>	0.0220 0	0.0176 0	0.01320	0.00880	0.00440
<b>Residential Low Income</b>	0.0900 0	0.0720 0	0.05400	0.03600	0.01800
<b>Non-Residential</b>	<b><u>Not Eligible</u></b>				

The adder will decrease by 20 percent annually, for newly enrolled tariff customers, as measured by the first-year adder rate until the adder reaches zero. The adder will be a discrete line on the customer's utility bill, will apply to all charges, and will apply to future bills until the credit is used.

The ACC Plus is not available to:

- (i). Customers transitioning from the NEM/NEM2 tariff to NBT tariff at the end of their legacy period;

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**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 12

**RATES: D. Avoided Cost Calculator Plus (ACC Plus) (Cont'd)**

(Cont'd.) The ACC Plus is not available to (Cont'd):

- (ii). Customers who have purchased a building with an existing system (Change of Party Customers);
- (iii). Non-Residential Customers; and
- (iv). Customers who are required to add solar (e.g., by California's building code).

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**E. Standby Service**

Customer-generators eligible for service under this schedule are exempt from the requirements of Schedule SB—Standby Service, except Multiple Tariff Facilities interconnected under the terms of Special Condition 4, which may be subject to the requirements of Schedule SB.

**F. Rates for Multiple Tariff Facilities**

The charges for Multiple Tariff Facilities taking service on this rate schedule under the provisions of Special Condition 4 will be calculated using the applicable OAS identified by the customer-generator in its application for interconnection and its interconnection agreement with PG&E or as subsequently changed by the customer-generator in accordance with PG&E's electric Rule 12. Per Special Condition 4, only the Renewable Portion of the exports to the grid will be credited and the value will be calculated the same as specified in Export Credits (section C, above).

**G. Changes to the Relevant Period**

Existing customer-generators billed under sub-schedules NBT-S, NBT-EXP or NBT-EXP-OTR who only add storage and are eligible to use the estimation methodology described in Special Condition 7 ("NBT Paired Storage") will be billed using the estimation methodology as of their scheduled True-Up, provided that a True-Up is not required for any other reason. All other customer-generators with Multiple Tariff Facilities or NBT Paired Storage interconnecting additional generators/storage, will receive a bill true-up prior to taking service under Special Condition 4. This ensures that all NBT accounts have the same Relevant Period, as defined in Special Condition 2, going forward.

**H. Potential for Future Rate Changes**

PG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long-term decisions based on rate structures that are currently in place.

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**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 16

SPECIAL 2. BILLING: (Cont'd.)

CONDITIONS: c. **ACC Plus:** (Cont'd)

(Cont'd.)

Low-income residential customers will receive a slightly higher ACC Plus adder for their exports.

The ACC Plus adder will decrease by 20 percent annually, for newly enrolled tariff customers, as measured by the first-year adder rate until the adder reaches zero. The adder will be a discrete line on the customer's utility bill. Export credits associated with the ACC Plus adder will apply to all charges (including NBC charges) and will apply to future bills until the credit is used.

d. **Limitations on what Export Credits may offset:**

Export credits at the Export Compensation Rate described in the "RATES" section of this schedule, may be used to offset volumetric (kwh) import charges but may not offset monthly minimum charges, customer charges, meter charges, facilities charges, base service charges, demand charges and surcharges, non-bypassable and any fixed charges associated with the OAS. However, export credits associated with the ACC plus adder may be used to offset any charges incurred by the customer.

Export credits will be accrued separately for avoided costs attributable to generation and delivery. Export credits for generation avoided costs will only offset volumetric (kwh) generation charges accrued per the customers' OAS, and export credits for delivery avoided costs will only offset volumetric (kwh) delivery charges associated with the customer's OAS.

e. **Application of export credits within the Relevant Period:**

Export credits at the Export Compensation Rate for generation and delivery will be applied to the corresponding generation and delivery volumetric (kwh) import charges accrued in a given month. The amount owed by the customer in that month for generation and delivery charges will be reduced by the corresponding export credits accrued in that month. Unused generation and delivery export credits accrued in a given month can be applied to offset generation and delivery volumetric (kWh) charges within a customers' Relevant Period. Any excess generation credits or excess delivery credits remaining at the end of a customer's Relevant Period, after debit for excess energy (kwh) if NSC is applicable, will be carried forward to the customer's next Relevant Period. The excess generation and delivery credits will only carry forward while the customer is on the NBT. If the customer is not served under the NBT, then the customer's excess credits will be forfeited on the last true-up on NBT.

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**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 17

SPECIAL 2. BILLING: (Cont'd.)

CONDITIONS:

(Cont'd.)

f. **Non-Bypassable Charges**

Customers on this tariff must pay non-bypassable charges (NBCs) for each kilowatt-hour of electricity they consume from the grid (based on the metered import channel). The following NBCs may not be reduced by any credits for exports to the grid, except for the ACC Plus credit: Public Purpose Program, Nuclear Decommissioning Charge, Competition Transition Charge, and Wildfire Fund Charge.

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g. **Relevant Period**

A Relevant Period typically consists of any twelve-monthly billing cycles commencing on the date PG&E provides a customer-generator with PG&E's written approval to begin parallel operation of the REGF (i.e., Permission To Operate (PTO)) for purposes of participating in NBT, and on every subsequent anniversary thereof.

If an eligible customer-generator terminates service or experiences a change in ESP or CCA prior to the end of the 12 monthly billing cycles within their Relevant Period, a new Relevant Period will be established starting on the monthly billing cycle after the change in ESP or CCA and continuing each anniversary date until the effective date of that termination for ESP or CCA change.

If an eligible customer-generator opts out of a SmartMeter™ per PG&E's E- SOP schedule, the customer's Relevant Period will be adjusted to start on the monthly billing cycle after the alternative meter is installed.

If an NBT eligible customer-generator applies for NBT-MT or NBT-PS sub-schedules under this tariff, a new Relevant Period will be established starting on the monthly billing cycle after the change in the applicable sub-schedule and continue every subsequent anniversary thereof.

h. **Energy True-up**

A true up is performed by PG&E and/or the customer's ESP or CCA, as applicable, at the end of each Relevant Period following the date the customer-generator was first eligible for Schedule NBT, or the date of PG&E's written approval to begin parallel operation of the REGF for purposes of participating in NBT, whichever is later, and at each anniversary date thereafter. At True up, the eligible customer-generator shall be billed as follows:

For all NBT customers, if the export credits (not including the ACC Plus credit) are larger than the import charges within the Relevant Period, after debit for excess energy (kwh) if NSC is applicable, the excess credits (generation and/or delivery) will be carried forward to the customer's next Relevant Period. NBT customers may make a one-time request that their annual true-up date be changed going forward. In the event the energy (kWh) generated exceeds the energy (kWh) consumed during the Relevant Period, compensation shall be made for the excess energy (kWh), as described and allowed for in Special Condition 5.

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**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 22

SPECIAL

3. Interconnection: (Cont'd.)

CONDITIONS:  
(Cont'd.)

For the purpose of the NBT tariff, the rating of the generating facility, for the purposes of comparing its size relative to the 1-megawatt (MW) limit, will be determined based on:

- (a) For each PV generator, the lesser of inverter nameplate capacity (kW) or maximum solar output (CEC-AC rating), as referenced in Section F ((Table F.1, footnote 2), (T)
- (b) For each inverter-based generator, except solar, the gross nameplate rating of the inverter. (T)
- (c) For each non-inverter-based generator, the generator gross nameplate. (D)

The aggregate nameplate capacity of the facility is calculated by adding the capacity of all generators located at the Customer's Premises (including Integrated or Directly Connected Energy Storage Devices, if any). For the purposes of calculating the size as over or under 1MW for NBT, the capacity calculation excludes the capacity of a paired energy storage system that is: (N)

- (1) certified as non-export storage,
- (2) has a non-export relay installed,
- (3) has a power control system that ensures exports do not exceed the capacity of the REGF, or
- (4) has a power control system that ensures exports do not exceed 1 MW. (N)

(Continued)

Advice 7155-E  
Decision

Issued by  
**Shilpa Ramaiya**  
Vice President  
Regulatory Proceedings and Rates

Submitted	January 29, 2024
Effective	July 1, 2024
Resolution	E-5301



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Decision

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**Shilpa Ramaiya**  
Vice President  
Regulatory Proceedings and Rates

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Resolution	E-5301



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(Continued)

## **Attachment 2**

Redline Tariff Revisions



**ELECTRIC SCHEDULE NBT  
NET BILLING TARIFF (NBT) SERVICE**

Sheet 1

**APPLICABILITY:** This Net Billing Tariff (NBT) Schedule pursuant to Decision (D.) 22-12-056 is applicable to a customer (hereinafter “eligible customer-generator” or “customer”) who uses a Renewable Electrical Generation Facility (REGF), as defined below. The NBT schedule may also be referred to as the “Solar Billing Plan” in customer-facing communications. (N)

Residential customers taking service on NBT must take service on the E-ELEC (ELECTRIC HOME) rate schedule and if applicable may choose to enroll in critical peak pricing (PG&E’s SmartRate) or peak day pricing rates. Non-Residential customers may take service on any open applicable time-of-use rate schedule. This NBT Schedule does not offer load Aggregation.

To be eligible on this NBT Schedule, customer’s REGF (as defined below) must be (a) located on the customer’s owned, leased, or rented Premises (as defined in PG&E’s Electric Rule 1); (b) interconnected to, and operating in parallel with, PG&E’s transmission and distribution systems; and (c) intended primarily to offset the customer’s own electrical requirements. However, customer is allowed to oversize their REGF to meet expected increased future electrical usage (i.e., increased electrical usage resulting from an electric vehicle or other electrical appliances to support electrification) by executing the NBT Oversized Generating Facility Attestation. Under such circumstances, the REGF’s estimated annual production should be no larger than:

- a. 150 percent of the Customer’s most recent 12 months of total usage; or
- b. 150 percent of the Customer’s estimated annual usage (for new construction and/or customers that do not yet have 12 months of usage only); or
- c. If the Customer attests to having recently increased their usage, 150 percent of the Customer’s current usage projected over 12 months.

The expected increased electrical usage should correspond with the size of the REGF and should be expected to materialize within 12 months from issuance of Permission to Operate (PTO).

Pursuant to Decision (D.) 22-12-056, Electric Schedule NEM2 (Net Energy Metering Service (the NEM2 tariff)<sup>2</sup> will close to customers requesting interconnection for new REGFs, or modified REGFs exceeding the allowable threshold (10% of original REGF or 1 kW), after April 14, 2023. Customers applying for interconnection after April 14, 2023, will take service on this NBT Schedule, unless they are applying for NEM2 Load Aggregation. Customers who do not submit complete applications for interconnection by April 14, 2023, will interconnect under the terms of this NBT Schedule. (N)

<sup>2</sup>[https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC\\_SCHEDS\\_NEM2.pdf](https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM2.pdf)

(Continued)



**ELECTRIC SCHEDULE NBT  
NET BILLING TARIFF (NBT) SERVICE**

Sheet 4

APPLICABILITY Change of party Customers, NEM/NEM2 Transition Eligible Customers, or (N)  
(Cont'd.) NEM/NEM2 Voluntary Transition Customers making any Material Modification (e.g., upgrade the inverter, pursuant to Rule 21) to previously approved PG&E NEM/NEM2/NBT solar and/or wind turbine electrical generating facilities or other Renewable Electrical Generation Facility are not eligible for this provision and must, where required by Rule 21, complete the interconnection process in Special Condition 3 of this tariff.

When the builder/developer of a home or commercial property sells a new property during the NBT application process, after the builder/developer completes the NBT Application and Interconnection Agreement and otherwise meets all of PG&E's requirements for the NBT project, but prior to PG&E providing final written approval for Parallel Operation on Schedule NBT, PG&E may treat the new homeowner/Customer as a Change of-party Customer, as defined above.

**Demand Response Programs**

NBT customers may choose to enroll in Peak Day Pricing or Critical Peak Pricing rates. ~~Any other demand response programmatic elements that are affected by a customer's load (e.g., program eligibility) shall also be excluded from consideration for any impacts of Generator Account generation. Any payments for demand response will be limited to the customer's load, and not include excess generation exported to the grid.~~ (N)

(Continued)

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Decision D.22-12-056

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**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 5 (N)  
(N)

DEFINITIONS

**Key Definitions:**

(N)

**Renewable Electrical Generating Facility (REGF)**

A REGF means a generating facility that generates electricity by using:

- a) biomass,
- b) solar thermal,
- c) photovoltaic,
- d) wind,
- e) geothermal,
- f) fuel cells using renewable fuels,
- g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible REGF if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
- h) digester gas,
- i) municipal solid waste conversion,
- j) landfill gas,
- k) ocean wave,
- l) ocean thermal, or
- m) tidal current,

and any additions or enhancements to the facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined 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>.

**Low-Income Customers**

For the purposes of the NBT, a Low-Income customer is defined as residential customers who are one or more of the following:

- a) Enrolled in California Alternate Rates for Energy (CARE) or the Family Electric Rates Assistance (FERA) programs; or
- b) Resident-owners of single-family homes living in disadvantaged communities<sup>3</sup> (as defined in D.18-06-027); or
- c) Residential customers who live in California Indian Country (as defined in D.20-12-003).

(N)

<sup>2</sup> The RPS Guidebooks can be found at: [Renewables Portfolio Standard - RPS | California Energy Commission](https://www.energy.ca.gov/2018/01/renewables-portfolio-standard-rps)

<sup>3</sup> Pursuant to Ordering Paragraph 4 of Resolution E-5301, to establish that a customer is a resident-owner of a single-family home in a disadvantaged community eligible for low-income treatment (higher ACC Plus), PG&E will verify that the customer has a single electric meter that is on an applicable residential electric rate (i.e., has residential account). (Continued)







**ELECTRIC SCHEDULE NBT  
NET BILLING TARIFF (NBT) SERVICE**

RATES: **Methodology for calculating the Export Compensation Rate based on ACC (Cont'd):** (N)  
(Cont'd.)

6. For each hour and weekday/weekend, the full Export Compensation Rate will then be the sum of the corresponding Generation and the Delivery components for that hour/ weekday/ weekend.

**D. Avoided Cost Calculator Plus (ACC Plus)**

An Avoided Cost Calculator Plus (ACC Plus) adder, in the form of a credit in cents per kilowatt-hour exported, is available to residential NBT customers who interconnect during the first five years of the tariff. The ACC Plus applicable to a given customer will be based on the customer's calendar year of completed interconnection application date. The ACC Plus available to new NBT customers will decrease over five years as shown in the table below. The applicable ACC Plus adder will remain constant for a customer for nine years from the customer's Permission to Operate (PTO) date. The ACC Plus may also be referred to as the "Energy Export Bonus Credit" in customer-facing materials.

<b>Adopted Avoided Cost Calculator Plus Adder (ACC Plus)</b>					
<b>Customer Segment</b>	<b>2023 \$/kWh</b>	<b>2024 \$/kWh</b>	<b>2025 \$/kWh</b>	<b>2026 \$/kWh</b>	<b>2027 \$/kWh</b>
<b>Residential</b>	0.0220 0	0.0176 0	0.01320	0.00880	0.00440
<b>Residential Low Income</b>	0.0900 0	0.0720 0	0.05400	0.03600	0.01800
<b>Non-Residential</b>	<b>Not Eligible</b>				

The adder will decrease by 20 percent annually, for newly enrolled tariff customers, as measured by the first-year adder rate until the adder reaches zero. The adder will be a discrete line on the customer's utility bill, will apply to all charges, and will apply to future bills until the credit is used.

The ACC Plus is not available to:

- (i). Customers transitioning from the NEM/NEM2 tariff to NBT tariff at the end of their legacy period;
- (ii). Customers who have purchased a building with an existing system (Change of Party Customers);
- (iii). Non-Residential Customers; and
- (iv). Customers who are required to add solar (e.g., by California's building code).

(Continued)



**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 16

(N)  
(N)

SPECIAL 2. BILLING: (Cont'd.)

(N)

CONDITIONS: c. **ACC Plus:** (Cont'd)

(Cont'd.)

Low-income residential customers will receive a slightly higher ACC Plus adder for their exports.

The ACC Plus adder will decrease by 20 percent annually, for newly enrolled tariff customers, as measured by the first-year adder rate until the adder reaches zero. The adder will be a discrete line on the customer's utility bill. Export credits associated with the ACC Plus adder will apply to all charges (including NBC charges) and will apply to future bills until the credit is used.

d. **Limitations on what Export Credits may offset:**

Export credits at the Export Compensation Rate described in the "RATES" section of this schedule, may be used to offset volumetric (kwh) import charges but may not offset monthly minimum charges, customer charges, meter charges, facilities charges, base service charges, demand charges and surcharges, non-bypassable and any fixed charges associated with the OAS. However, export credits associated with the ACC plus adder may be used to offset any charges incurred by the customer.

Export credits will be accrued separately for avoided costs attributable to generation and delivery. Export credits for generation avoided costs will only offset volumetric (kwh) generation charges accrued per the customers' OAS, and export credits for delivery avoided costs will only offset volumetric (kwh) delivery charges associated with the customer's OAS.

e. **Application of export credits within the Relevant Period:**

Export credits at the Export Compensation Rate for generation and delivery will be applied to the corresponding generation and delivery volumetric (kwh) import charges accrued in a given month. The amount owed by the customer in that month for generation and delivery charges will be reduced by the corresponding export credits accrued in that month. Unused generation and delivery export credits accrued in a given month can be applied to offset generation and delivery volumetric (kWh) charges within a customers' Relevant Period. Any excess generation credits or excess delivery credits remaining at the end of a customer's Relevant Period, after debit for excess energy (kwh) if NSC is applicable, will be carried forward to the customer's next Relevant Period. The excess generation and delivery credits will only carry forward while the customer is on the NBT. If the customer is not served under the-NBT, then the customer's excess credits will be forfeited on the last true-up on NBT.

(N)

f. **Non-Bypassable Charges**

Customers on this tariff must pay non-bypassable charges (NBCs) for each kilowatt-hour of electricity they consume from the grid (based on the

(Continued)



**ELECTRIC SCHEDULE NBT**  
NET BILLING TARIFF (NBT) SERVICE

Sheet 16

(N)

(N)

metered import channel). The following NBCs may not be reduced by any credits for exports to the grid, except for the ACC Plus credit: Public Purpose Program, Nuclear Decommissioning Charge, Competition Transition Charge, and Wildfire Fund Charge.

(Continued)

*Advice* 6848-E  
*Decision* D.22-12-056

*Issued by*  
**Meredith Allen**  
*Vice President, Regulatory Affairs*

*Submitted* January 30, 2023  
*Effective* November 30, 2023  
*Resolution* \_\_\_\_\_



**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 17

(N)  
(N)

SPECIAL 2. BILLING: (Cont'd.)

CONDITIONS: g. **Relevant Period**

(Cont'd.)

A Relevant Period typically consists of any twelve-monthly billing cycles commencing on the date PG&E provides a customer-generator with PG&E's written approval to begin parallel operation of the REGF (i.e., Permission To Operate (PTO)) for purposes of participating in NBT, and on every subsequent anniversary thereof.

If an eligible customer-generator terminates service or experiences a change in ESP or CCA prior to the end of the 12 monthly billing cycles within their Relevant Period, a new Relevant Period will be established starting on the monthly billing cycle after the change in ESP or CCA and continuing each anniversary date until the effective date of that termination for ESP or CCA change.

If an eligible customer-generator opts out of a SmartMeter™ per PG&E's E- SOP schedule, the customer's Relevant Period will be adjusted to start on the monthly billing cycle after the alternative meter is installed.

If an NBT eligible customer-generator applies for NBT-MT or NBT-PS sub-schedules under this tariff, a new Relevant Period will be established starting on the monthly billing cycle after the change in the applicable sub-schedule and continue every subsequent anniversary thereof.

h. **Energy True-up**

A true up is performed by PG&E and/or the customer's ESP or CCA, as applicable, at the end of each Relevant Period following the date the customer-generator was first eligible for Schedule NBT, or the date of PG&E's written approval to begin parallel operation of the REGF for purposes of participating in NBT, whichever is later, and at each anniversary date thereafter. At True up, the eligible customer-generator shall be billed as follows:

For all NBT customers, if the export credits (not including the ACC Plus credit) are larger than the import charges within the Relevant Period, ~~the excess credits will be set to zero,~~ after debit for excess energy (kwh), if NSC is applicable, the excess credits (generation and/or delivery) will be carried forward to the customer's next Relevant Period. NBT customers may make a one-time request that their annual true-up date be changed going forward. In the event the energy (kWh) generated exceeds the energy (kWh) consumed during the Relevant Period, compensation shall be made for the excess energy (kWh), as described and allowed for in Special Condition 5.

(Continued)

**ELECTRIC SCHEDULE NBT**  
**NET BILLING TARIFF (NBT) SERVICE**

Sheet 22 (N)  
(N)

SPECIAL 3. Interconnection: (Cont'd.)

CONDITIONS: For the purpose of the NBT tariff, the rating of the generating facility, for the purposes  
(Cont'd.) of comparing its size relative to the 1-megawatt (MW) limit, will be determined based on:

- (a) For each PV generator, the lesser of inverter nameplate capacity (kW) or maximum solar output (CEC-AC rating), as referenced in Section F ((Table F.1, footnote 2), both the CEC-AC rating, as applicable, and the aggregate inverter capacity must not be greater than 1 MW for a Generating Facility to be considered ≤1 MW.
- (b) For each inverter-based generator, except solar, the gross nameplate rating of the inverter.
- (c) For each non-inverter-based generator, the generator gross nameplate.
- ~~(d) For REGF's paired with storage, the inverter size of the storage system is not included in the size of the REGF system.~~

The aggregate nameplate capacity of the facility is calculated by adding the capacity of all generators located at the Customer's Premises (including Integrated or Directly Connected Energy Storage Devices, if any). For the purposes of calculating the size as over or under 1MW for NBT, the capacity calculation excludes the capacity of a paired energy storage system that is:

- (1) certified as non-export storage,
- (2) has a non-export relay installed,
- (3) has a power control system that ensures exports do not exceed the capacity of the REGF, or
- (4) has a power control system that ensures exports do not exceed 1 MW.

(Continued)

**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  
Buchalter  
Barkovich & Yap, Inc.  
Braun Blaising Smith Wynne, P.C.  
California Community Choice Association  
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  
Downey Brand LLP  
Dish Wireless L.L.C.

East Bay Community Energy Ellison  
Schneider & Harris LLP

Electrical Power Systems, Inc.  
Fresno  
Engineers and Scientists of California

GenOn Energy, Inc.  
Green Power Institute  
Hanna & Morton  
ICF

iCommLaw  
International Power Technology  
Intertie

Intestate Gas Services, Inc.

Johnston, Kevin  
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  
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.

Resource Innovations

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  
Stoel Rives LLP

Tecogen, Inc.  
TerraVerde Renewable Partners  
Tiger Natural Gas, Inc.

TransCanada  
Utility Cost Management  
Utility Power Solutions  
Water and Energy Consulting Wellhead  
Electric Company  
Western Manufactured Housing  
Communities Association (WMA)  
Yep Energy