

	Revised
Cancelling	Original

Cal. P.U.C. Sheet No. Cal. P.U.C. Sheet No.

58419-E 55484-E

Electric Sample Form No. 79-1151B-03

Sheet 1 Application Net Energy Metering (NEM/NEM2) and Net Billing Tariff (NBT), also known as Solar Billing Plan (SBP), Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

> Please Refer to Attached Sample Form

July <u>22, 2024</u> Submitted Effective January 1, 2024 Resolution



T Yes

IMPORTANT NOTES:

- Customers may not operate their Generating Facility while interconnected to the PG&E system until they receive written permission from PG&E.
- For a non-exporting Generating Facility, RES-BCT facility, or NEM/NEM2/NBT Generating technologies other than 30 kW or less solar or wind, Customers must submit the online Form 79-1174-03 available at <u>www.pge.com/gen.</u>

Part I – Generating Facility Information and Responsible Parties

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

Electric Service Agreement ID* Meter Number*

- B. Interconnection Application Type (check one):
 - New NBT Generating Facility interconnection at an existing PG&E service.
 - Modify existing PG&E approved Generating Facility interconnection (adding/removing/replacing equipment).

• Must provide a Custom Single-Line Drawing (SLD) showing the original system and the modified system.

- C. System Owner (check one):
 - PG&E Customer Owned

If PG&E Customer Owned, please answer the following:
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Property Assessed Clean Energy (PACE) Financed?	
PACE financed by which entity?	

Indicate the System Cost paid by Customer: \$

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

Financial Institution/Lessor Name	3				
Financial Institution/Lessor Addre	 3SS	City		State	Zip
Third Party Owned If Third Party Owned, please answ	er the following:				
Claimed Federal Investmen	t Tax Credit (ITC) Co	st Basis: \$			
Name of Developer at the ti	me of sale:				
Contract Type: 🔲 PP	A 🛛 Lease	Pre-Paid L	ease	Other _	
Rebate Information : Did the Customer participate in a Califorr	nia rebate program?	🔲 Yes	🔲 No		
Please indicate the rebate program that y	ou participated in:				
Rebate Amount: \$					

D.

† Information collected on this form is used in accordance with PG&E's Privacy Policy. The Privacy Policy is available at pge.com/privacy.

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Please complete this agreement in its entirety



E. Building Code-Required Solar Installations:

Does this generating facility contain a solar PV system required by Title 24 or other building code?

		🖵 Yes	🔲 No	
	Part I – Generating Facility Information and	d Responsible Parties – C	Continued	
F.	Contractor Information (List who is installing th	e system): 🗖 Check this bo	ox if self-installed	
	Company Name	California Contractors Stat	e License Number	
	Street Address	City	State	Zip
	Email	Phone Number	_	
	Home Improvement Salesperson (HIS) Regis	tration Number Information		
	Was a Home Improvement Salesperson (HIS) in	volved in the development of	your project?	
	🗆 Yes 🛛 No			
	California Public Utilities Commission (HIS) registration number of solar pro enabling solar providers who are not exempt and to instead provide the appendix	n Decision 21-02-026 requires oviders who are required to h t required to have a HIS regis oplicable contractor's license.	s "the Home Improver ave a HIS registration tration number to indi "	nent Salesperson number, while cate they are
	If you checked "Yes" above:			
	Please provide the Home Improvement Sale	sperson (HIS) registration nu	mber below.	
	Home Improvement Salesperson (HIS) regis	tration number:		_
G.	Preparer of this Application (if not the PG&E Customer on the Interconnection Agreement and	Customer, the Preparer must Customer Authorization, cor	st be authorized to a responding Form 79-	ct on behalf of the 1151A-03):
	Company Name	Preparer Name	<u> </u>	Date Prepared
	Part II – Description of the Generating Faci	ilities		
Α.	Variances from Distribution Interconnection H Generating Facilities must meet the DIH an <u>www.pge.com/greenbook</u> . A Variance Request n AC Disconnect > 10 ft from PG&E meter. (See P	Handbook (DIH) and Greenb nd Greenbook requirements must be submitted with the ap art III Section B for informatio	book Requirements (s, available at <u>www</u> oplication for deviation on on submitting Varia	check one): <u>v.pge.com/dih</u> and is, i.e. line-side tap, nce Request)

The project meets the DIH and Greenbook Requirements and does not require a Variance Request.

The project deviates from the DIH and Greenbook Requirements and I will include a Variance Request.

	Pacific Gas and Electric Company	Net End Tariff For	A ergy Meterir [:] (NBT), also (SBP) Solar And/C Facilities C	PPLICATION og (NEM/NEM2) and Net Billing known as Solar Billing Plan , Interconnection Or Wind Electric Generating of 30 Kilowatts Or Less
В.	Photovoltaic (PV) Generat	ing Facility Info	ormation	
	To avoid application process appear on the Go Solar Cali equipment-lists.	sing delays, the fornia website: <u>ł</u>	manufacturer and m <u>https://www.energy.c</u>	odel numbers provided should be the same as they a.gov/programs-and-topics/programs/solar-
	B.1 Mounting Method:	Rooftop	Ground	Mixed
	B.2 Tracking Type:	Given Fixed	Single-Axis	Dual-Axis Mixed
	If fixed, p B.3 Are Performance Mon Who is receiving the da	lease indicate: T itoring and Rep ita (check all tha	Filt: degrees Forting Services (PI t apply):	Azimuth: degrees VIRS) being utilized?



Part II – Description of the Generating Facilities – Continued

B.4 Photovoltaic Generator 1:

Inverter Manufacturer	Model Number	Nameplate Rating kW/unit	CEC ^A Rating kW/unit	Output Voltage	1 or 3 Phase	Qty
PV Panel Manufacturer	Model Number	Nameplate Rating kW/unit	PTC ^B Rating kW/unit	Total Nar Capa kV	neplate city V	Qty

B.4 Photovoltaic Generator 2:

Inverter Manufacturer	Model Number	Nameplate Rating kW/unit	CEC Rating kW/unit	Output Voltage	1 or 3 Phase	Qty
PV Panel Manufacturer	Model Number	Nameplate Rating kW/unit	PTC Rating kW/unit	Total Na Capa k\	meplate acity N	Qty

C. Wind Turbine Generating Facility Information

Check this box if the inverter is incorporated in the wind turbine. Then complete the Wind Turbine information below and identify the following: Output Voltage: (volts); Phase Type: 1 1 3

Inverter Manufacturer	Model Number	Nameplate Rating kW/unit	CEC Rating kW/unit	Output Voltage	1 or 3 Phase	Qty
		Mana and a factor	050	T ()))		
Wind Turbine Manufacturer	Model Number	Rating kW/unit	CEC Rating kW/unit	l otal Nar Capa kW	neplate city /	Qty

D. AC Disconnect Switch

Check this box if no A/C Disconnect Switch is applicable. See Part III, Section C for requirements.

AC Disconnect Manufacturer	Model Number	Rating (amps)	Qty

If applicable, is/are the AC Disconnect(s) within 10 ft. of the PG&E electric meter?
Yes No

Note: PG&E's Electric and Gas Service Requirements, also known as the "Greenbook" requires the AC Disconnect Switch to be located 10 feet or less from PG&E's electric revenue meter at the point of common coupling or interconnection and easily seen from

 ^A California Energy Commission (CEC) ratings are available at www.consumerenergycenter.org
 ^B PTC: PVUSA Test Conditions. PTC ratings are available at www.consumerenergycenter.org
 <u>Please complete this agreement in its entirety</u>



the panel. If the AC Disconnect Switch is greater than 10 feet or there is more than one AC Disconnect, a variance request must be submitted as outlined in Part II, Section A.

Part II – Description of the Generating Facilities – Continued

E. Basic Single-Line Diagram (SLD) for Solar Projects (check one):

- I certify the following:
 - 1) SLD below and the PV equipment information in Part II accurately represents the Customer's service,
 - 2) the Generating Facility (and that there are no other Generator Facility(ies)) connected to the service, and 3) the project does not require a Variance Request.
 - Utility Service: (if using the SLD to the right) М Generator Panel Voltage Main Breaker **PV Breaker Size** (volts) (amps) (amps) AC Disconnect Inverter DC <10ft
- I will submit a custom SLD for one or more of the following reasons: there is/are existing Generating Facility(ies) connected to the service. I am modifying an existing Generating Facility, the Basic SLD does not accurately reflect the project, or I am submitting a Variance Request.

(See Part III Section D for Custom SLD details.)

F. Customer Impacted by a Natural or Human-Made Disaster

Customers who were taking service on the NEM/NEM2/NBT tariffs prior to the total or partial destruction of their system have the option to resume service on the same NEM/NEM2/NBT tariffs if a request for reapplication is received for NEM/NEM2 customers within two years, and for NBT customers within four years, from the date of destruction (i.e., if a customer before destruction was on the NEM2 tariff, the customer can only return to the same NEM2 tariff after the rebuild with proper documentation). To be eligible for this provision, all the following must be true:

- 1. You are the same PG&E customer of record pre-system destruction
- 2. You are now reapplying with a system that is sized primarily to offset your own annual electrical requirements (your most recent 12 months usage, or estimated usage that is determined by building size^C (if applicable)), unless you are applying for NBT tariff which allows oversizing for future load (i.e., electric vehicle, or other electrical appliances to support electrification) by executing the NBT Oversized Generating Facility Attestation within the applicable NBT Interconnection Agreement.
- 3. You are not operating the new (either completely new or partially new) system without written permission from PG&E
- 4. Your NEM/NEM2/NBT Legacy Period has not expired at the time of reapplication

Based on the above, select the appropriate box:

^cBuilding Size Calculation: Sq Ft X 3.23. Note: 2 watts/sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.19 solar capacity factor = 3.32 Please complete this agreement in its entirety



- □ I am a Customer who was impacted by a Natural or Human-Made Disaster as described in the NEM/NEM2/NBT Tariffs and the above statements are true. I will submit my application online at <u>yourprojects.pge.com</u> and will include the complete system currently onsite on the single line diagram. If my previous system was destroyed, I will also state this on the single line diagram.
- I am either ineligible for this provision or this provision does not apply to my application. In either case, I will submit my application online at <u>yourprojects.pge.com</u>.

Part III – Prevailing Wage Checklist

Pursuant to CPUC Decision 23-11-068, the following information must be provided. If the answer to all the following questions is "no," your contractor must comply with California Public Utilities Code 769.2.

Beginning January 1, 2025, contractors who have been found in violation of the prevailing wage rule in PU Code Section 769.2 will not be permitted to apply to interconnect facilities utilizing tariffs established pursuant to PU Code sections 2827 or 2827.1.

Additionally, consistent with the Commission's Tribal Consultation Policy, contractors and investor-owned utilities that have implementation questions with respect to Renewable Electrical Generating Facilities on Indian Lands should contact the Commission's Deputy Executive Director of Energy and Climate Policy or the Commission's Office of the Tribal Advisor.

1. Is this a residential Generation Facility with a maximum capacity of 15 kW or less of electricity?	Yes	D No
2. Is this a single-family home?	C Yes	🖵 No
3. Is this a public works project (as defined in Section 1720 of the Labor Code) that is subject to Article 2 (commencing with Section 1770) of Chapter 1 of Part 7 of Division 2 of the Labor Code?	Yes	🖵 No
4. Does this Generating Facility serve only a modular home, a modular home community, or multiunit housing that has two or fewer stories?	C Yes	🗖 No
5- Applicant certifies and confirms to PG&E that past required submittals of payroll records are up to date, pursuant to CPUC Decision 23-11-068. The contractor's submission of payroll records is a condition to access tariffs developed pursuant to PU Code Section 2827 or 2827.1 for a customer REGF subject to PU Code Section 769.2. *Note: if answer is no, the applicant cannot move forward with the application process.	Yes	☐ No

Part IV – Interconnection Guidelines and Document Information

Note: Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEM/NEM2/NBT customers. If the proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland where the zip code is 94607 or 94612, please see www.pge.com/standardnem,under the labeled section "Which Customers Are Not Eligible For Standard NEM/NEM2/NBT Interconnection" and the bullet "Secondary Network Areas In San Francisco and Oakland,".



A. Documents

In addition to this NEM/NEM2/NBT Interconnection Application, the documents listed below are needed to ensure safe and reliable operation of PG&E's Electric System and to confirm that Customer's interconnection has been performed in accordance with PG&E's tariffs. Additional forms are available on PG&E's website at www.pge.com/standardnem.

Required Documents

- Net Energy Metering (NEM/NEM2) or Net Billing Tariff (NBT) Interconnection Agreement for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less and Customer Authorization, corresponding Form 79-1151A-03.
- Copy of the final, signed, jurisdiction approval (building permit) for Customer's Generating Facility.

Additional Documents (if applicable)

- Variance Request (if project deviates from requirements in Part II Section A).
- Custom Single-Line Diagram (SLD) (if project does not meet Part II Section E basic SLD requirements).

Documents and requirements other than those listed above and/or fees *may* be required depending on the specifics of the planned Generating Facility.

B. Variance Request (if applicable)

The Customer or the Customer's Contractor can request a Variance Request review from PG&E if the project is unable to meet the requirements described in the Distribution Interconnection Handbook and Greenbook, available at www.pge.com/dih and www.pge.com/dih an

- 1. Description of the proposal for which the Customer is requesting approval.
- 2. Customer name and project address.
- 3. Copy of the Custom Single Line Diagram or electrical drawings (Include the equipment, location, and/or distances for the proposed work).
- 4. Color photos of the Customer's area or section for the proposed work.
- 5. Manufacturer specification drawings for unapproved equipment that the Customer is requesting an approval.

C. AC Disconnect Switch Guidelines

PG&E recommends that customers 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.). The AC Disconnect Switch provides the additional benefit of allowing PG&E to isolate the Customer's generator from the utility's Electric System without having to interrupt service to the customer's facility or residence.

Customers **are not required** to include an AC Disconnect Switch when the facility has a single-phase self-contained electric revenue meter (i.e. 0-320 amp panel). However, if the Customer does not install an AC Disconnect Switch, 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.

An AC Disconnect Switch is required for a Customer with:

- Inverter-based interconnections having a three-phase self-contained meter or a transformer-rated meter (i.e. all meter panels or switchboards employing the use of potential and current transformers).
- Non-inverter based generators, including rotating or machine-based generators irrespective of whether the service meter configuration is transformer-rated or self-contained.
- Inverter and non-inverter based generators that do not have overcurrent protection at the point of interconnection.

D. Custom Single-line Diagram (SLD) (if applicable)

The Custom SLD must include the information below for identified equipment.

1. Manufacturer, model number, nameplate rating, quantity:



- a) Inverter(s), PV or wind turbine generators, AC Disconnect Switch, generation output meter and instrument transformers.
- 2. Electrical rating and operating voltages:
 - a) Service panel, circuit breaker, and other Generating Facility protective devices
- 3. Location of:
 - a) Customer's loads relative to the Generating Facility, and the interconnection with PG&E's Electric System.
 - b) AC Disconnect Switch.
- 4. Description of how the power output from the inverter is connected to the main service panel via a branch breaker. The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is based on the total nameplate rating of the inverter.
- **E. Governing Authority.** This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.

Please submit the Agreement and Customer Authorization and Application online at <u>www.pge.com/standardnem</u>.