



# Electric Generation Interconnection Wholesale Distribution & Rule 21 Export Electric Generation



## Getting Started Guide for Electric Generator Interconnections

Customers that own or plan to develop a solar farm or non-solar generating facility and intend to sell the power in excess of what they use must follow the interconnection process. Eligible electric generators are required to enter into an Interconnection Agreement with PG&E under the [Wholesale Distribution Tariff \(WDT\) Attachment I “Generator Interconnection Procedures”](#) or the [Electric Rule 21 tariff](#). To begin this process, you can submit your generator interconnection request form using the online application portal at: <https://yourprojects-pge.com>.

### Follow these steps to get started:

#### 1 Determine your Interconnection Study Type

Before starting your application, select the Interconnection Study type for which you’re applying. The table below should help you determine which study process is right for your project:

Study Process	Eligibility	Studies	Timelines	Process Costs	Deliverability Eligibility
Application Fee	<b>All generator interconnection requests</b>	All	N/A	\$800 (non-refundable)	N/A
Fast Track (FT)	<b>Rule 21:</b> no size limit for Fast Track <b>WDT Gen:</b> Certified, Advisory limit of 2MW on 12kV and 3MW on 21kV	Initial Review (IR) & Supplemental Review (SR)	IR — 15 BD SR — 20 BD	<b>Rule 21:</b> Nonrefundable fee <b>WDT:</b> IR: \$1,000 study deposit SR: \$2,500 deposit	Energy Only
Independent Study Process (ISP)	Must pass both EIT screens: <b>Rule 21:</b> no size limit but, given current programs, rare to exceed 20MW <b>WDT Gen:</b> No size limit	System impact Study (SIS) & Facilities Study (FAS)	SIS— 60 BD FAS — 60 BD	<b>For 5MW or less:</b> SIS - \$10K deposit and FAS - \$15K deposit <b>For &gt;5MW:</b> \$50K + \$1K/MW up to \$250K	<b>Rule 21:</b> Energy Only <b>WDT:</b> Energy Only or Full Capacity
Distribution Group Study Process (DGSP)	Must pass Transmission EIT Screen <b>Rule 21:</b> no size limit but, given current programs, rare to exceed 20MW <b>WDT Gen:</b> No size limit	Phase I Study & Phase II Study	Phase I – 60 BD Phase II – 60 BD	<b>For 5MW or less:</b> Ph. I - \$10k; Ph. II - \$15k <b>For &gt;5MW:</b> Ph. I & Ph. II: \$50K + \$1K/MW up to \$250K	<b>Rule 21:</b> Energy Only <b>WDT:</b> Energy Only or Full Capacity
Cluster Study Process (CSP)	For projects that fail EIT Transmission screen. <b>Rule 21:</b> N/A; Use WDT process. <b>WDT Gen:</b> No size limit	Phase I Study & Phase II Study	Phase I — 170 CD Phase II — 205 CD	\$50K + \$1K/MW up to \$250K	<b>Rule 21=</b> Go to FERC process <b>WDT:</b> Energy Only or Full Capacity
<b>Deliverability Study Options</b>					
Full Capacity Deliverability Study (FCDS)	<b>Rule 21:</b> Not eligible. <b>WDT Gen:</b> Any ISP, DGSP, or CSP wholesale project	Phase I Study & Phase II Study	Phase I – 170 CD Phase II – 205 CD	\$50K + \$1K/MW up to \$250K	<b>N/A</b>
Distributed Generation Deliverability (DGD)	<b>Rule 21:</b> Exporting projects only <b>WDT Gen:</b> Any active wholesale project	Single application and project review to determine allocation, if any	When offered, process is about 3 months from application to result	Free	<b>N/A</b>

**Tip:** Review your Power Purchase Agreement requirements on deliverability before deciding if you need to apply for the Full Capacity Deliverability Study option.

**2**  
**Gather  
Generating  
Facility  
Information**

Ensure you have the following generating facility information:

- Point of Interconnection
- GPS Latitude & Longitude
- Facility Division
- Proposed Operations Dates
- Proposed In Service and Trial Dates
- Site Address
- PG&E Substation Name
- Facility Nominal Voltage (kV)
- Proposed Term of Service (years)
- Proposed Commercial Operation Date

**Tip:** To ensure an accurate Point of Interconnection or the specific location where your proposed generation facility's power will begin flowing through existing PG&E lines, please enter your proposed facility address into the PV RAM map or ICA Map and determine the nearest PG&E circuit to that facility site.

[PG&E Integration Capacity Analysis and Distribution Investment Deferral Framework maps \(pge.com\)](#)

[Renewable Auction Mechanism \(RAM\) map webpage](#)

[Integrated Capacity Map \(ICA\) webpage](#)

**3**  
**Have Contact  
Information  
Ready**

You also will need to supply the following contact information for each of the following project contacts: the Primary Customer Contact, the Contractor Contact, the Project Authorized Contact, and the Project Billing and Payment Contact.

- ✓ First & Last Name
- ✓ Title
- ✓ Company Name
- ✓ Address
- ✓ Telephone Number
- ✓ DUNS Number
- ✓ Email Address

**4**  
**Prepare  
Supplemental  
Documents**

Supplemental documents are necessary for a complete application as they provide important details regarding your project. The following documents are required:

- **Attachment A:** For most projects, these technical details are provided as part of the online application form. However, any projects (R21 or WDT Gen) that are 10 MW or larger or are seeking interconnection at a POI with a transmission line voltage (i.e.,  $\geq 60$  kV) also will need to submit a completed [CAISO "Attachment A to Appendix 1" excel file](#), a dynamic modeling results file (in \*.DYD format only), and a power flow modeling results file (in \*.EPC format only).
- **Site Plan:** Site drawing to scale, showing generator location and Point of Interconnection with PG&E's distribution system.
- **Single Line Diagram:** Single line diagram showing applicable equipment such as generating units, step-up transformers, switches/disconnects of the proposed interconnection; including required protection devices and circuit breakers.
- **AC and DC Schematics** if available; required for Detailed Study Process\*
- **Description of Operations\***  
\*Applies to Electric Rule 21 applicants or projects with a Battery Storage component only. Description of Documents – Enclose copy of any site documentation that describes and details the operation of the protection and control schemes. Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable).

- **California Consumer Protection Documents:** if applicable: Valid Contractors State License Board (CSLB) Number and/or Home Improvement Salesperson (HIS) Number, California Consumer Protection Guide (customer must review and sign), Solar Company Installation Contract, CSLB Solar Disclosures Document)
- **Site Control:** Evidence of Site Exclusivity as specified and defined in the Wholesale Distribution Tariff and the Electric Rule 21 Tariff.

**For Wholesale Generation:** Please note in the table below the suggested minimum acreage requirement per generator type.

Minimum Parcel Acreage Reasonably Necessary Per Generator Type <sup>2</sup>							
Technology <sup>1</sup>	Solar PV	Solar CSP	Wind	Biomass <sup>3</sup>	BESS	Gas Turbine	Hydro <sup>4</sup>
Minimum Acres/ MW	6 acres / MW	9 acres / MW	30 acres / MW	3 acres / MW	0.06 acres / MW	3 acres / MW	Case-by-case

Source: Adapted from table in CAISO Business Practice Manual for GIDAP, Version 35.0 September 27, 2024. page 38

**Notes:**

1. For a generating type not currently listed, interconnection customer to provide documentation showing the project has acquired sufficient acreage.
2. Smaller land requirements will be considered with proper documentation of project configuration.
3. Represents the generator portion only of the biomass project, fuel storage and/or processing acreage will be evaluated separately on a case-by-case basis.
4. As hydro is a technology that includes both water storage and run-of-river types of projects, any hydro site control requirements will be evaluated on a case-by-case basis.

## 5 After You Apply

Once you submit your application, PG&E will send you an Invoice Letter with instructions on how to wire payment for the required application fee and study deposit. As shown on the first row of the Interconnection Study table provided in Step 1, above, there is a non-refundable application fee of \$800 for all applications submitted. The study deposit will be invoiced separately based on the study type applied for and the size of the proposed project, as applicable.

If the Interconnection Request is missing information or documents required to begin the interconnection process, PG&E will accept the application but will deem it incomplete. PG&E will provide a written list of deficiencies to the designated representative identified in your application and these deficiencies must be fulfilled by the Customer before the application may be deemed complete and the project moved into the interconnection study process.

PG&E's Electric Grid Interconnection team can help you ensure a successful project and a safe, reliable interconnection to the grid. If you have questions about this process or need assistance, please email [wholesalegen@pge.com](mailto:wholesalegen@pge.com) for Wholesale Distribution projects or [rule21gen@pge.com](mailto:rule21gen@pge.com) for Rule 21 projects.