



# Wholesale Transmission Generation: 60 kV and Above

How to Apply for Interconnection with PG&E's  
Transmission System

## Getting Started Guide

To interconnect a generator of 60 kV or greater to PG&E's transmission system, you'll need to apply through the California Independent System Operator (California ISO or CAISO), a non-profit corporation that operates the majority of California's high-voltage wholesale power grid. This page gives you an overview of the transmission interconnection application process and the documents you'll need to complete your application. You'll find this information particularly helpful if you're a first-time applicant or need a refresher on the application process.

### The application process

If you are applying through the Fast Track Process or Independent Study Process, you may submit your [transmission interconnection application](#) at any time. If you are applying through the Cluster Study Process, you may submit your application only during the Cluster Study application window. You'll find information about Cluster Study application windows on the [CAISO](#) website.

Here are the steps associated with the application process:

- 1 Submit your completed application to CAISO, providing details about the size of your generator and the point on the PG&E electric grid where your generator will interconnect (for example, "Guernsey-Henrietta 70kV line near <customer generating facility location>"). Print three copies of your application and mail it to the address shown on the form.

- 2 Once CAISO has received and reviewed your application, you are invited to a scoping meeting to discuss the CAISO technical/engineering team's initial assessment of the potential impact of your proposed generation facility and minimum requirements for establishing an electrical connection. During this meeting, your CAISO representative explains anticipated study durations and gives you an overview of the study process and milestones.
- 3 CAISO performs its interconnection studies, which include short-circuit/fault duty, steady-state (thermal and voltage) and stability analyses; assessment of network upgrades required to mitigate thermal overloads and voltage violations; and identification of any short-circuit, stability, and reliability issues associated with the request for interconnection.
- 4 CAISO provides you and PG&E with its Facilities Study Report. At that time, you may choose to meet with CAISO and PG&E to discuss and determine whether you want to move forward with your project. PG&E becomes more involved in the process at this point.
- 5 PG&E drafts a three-party (you, CAISO, and PG&E) interconnection agreement and sends it to you and CAISO for review and negotiation. Once all parties agree to the terms, CAISO issues an executable copy.
- 6 PG&E completes any necessary upgrades in parallel to the installation of your generation equipment/facility.
- 7 Once the installation and upgrades are complete, you hire a third party to conduct a PG&E witness protection test.
- 8 PG&E issues your "Permission to Operate" letter authorizing Final Commercial Operation with CAISO approval.

Find out more detailed information on the CAISO generation interconnection application process [here](#).

## What you'll need to complete your transmission interconnection application

Here's what you'll need when you apply for interconnection:

- ▶ Your [CAISO application](#)
- ▶ Proof of site control. If you do not already have legal control of your site through ownership or lease, you'll need to prove that you are legally entitled to develop generation capacity on the site. This proof can be in the form of an agreement between you (the generation developer) and the land owner.
- ▶ Site plan. This is a plan of your proposed generating facility overlaid on a birds-eye-view image of the area, showing names of nearby streets.
- ▶ Single-Line Diagram. This detailed drawing, to be completed by an electrical engineer, shows all electrical equipment and power lines from the generation source to the utility grid.
- ▶ Payment. CAISO's application fee is currently \$50,000 + \$1,000 per MW, up to \$250,000.

### **PG&E is here to help**

If you have questions about the transmission interconnection process and its rules, PG&E is here to help. Our Wholesale Generation Interconnection Services team can help you ensure a successful project and a safe, reliable interconnection to the grid. For assistance, please email [wholesalegen@pge.com](mailto:wholesalegen@pge.com).

You may also contact [CAISO](#) at [caiso.com](http://caiso.com) or 916-351-4400.