

In order to prevent project delays and cost overruns due to VNEM interconnections, it is important that the solar PV contractor obtain a pre-interconnection approval before moving forward with the designed installation. Contractors should obtain evidence of interconnection pre-approval in written form from the utility. This will ensure that the proposed system and interconnection plan is technically feasible and any cost or code-related concerns are addressed prior to the start of construction. This is required prior to equipment procurement and the start of construction.

PACIFIC GAS & ELECTRIC (PG&E)

Your application and all needed documentation are most easily processed online. Visit the [PG&E interconnection portal](#) to get started. This application will request basic system details, interconnection agreement, proposed single line diagram, and proposed VNEM allocation. It is also required to submit an [interconnection proposal](#) including photos that tells PG&E where a connection will be made in the existing service panel and where the metal socket will be installed. You will also need to provide a Meter Socket Spec Sheet that includes the technical details of the meter socket.

Generation Interconnection Process & Timeline

1. Application Review
 - a. Required documentation: Online application, interconnection agreement, single line diagram, proposed VNEM allocation
 - b. Timeframe: 10-20 business days depending upon completeness of application information and required documentation
2. Engineering Review
 - a. Required documentation: Acknowledgement of Application Review phase documentation completed
 - b. Timeframe: Typically 15-95 business days from receipt of documents
3. Implementation
 - a. Required documentation: If system upgrades are required following engineering review, a Special Facilities Agreement (Forms 79-280 and 79-702) will be required. This agreement is an agreement between PG&E and the applicant specifying the costs of required equipment to be installed and owned by PG&E
 - b. Timeframe: 3-12 months, depending upon the system upgrades required
4. Final Inspection
 - a. Required documentation: Engineering approval, Net Energy Metering Agreement Form 79-978, final approved building permit, meter release/green tag which indicates the new meter socket has been approved by the local building department
 - b. Timeframe: Within 30 business days of a complete application, PG&E is required to perform final inspection if no system upgrades are identified during Engineering Review
5. Interconnection Approval
 - a. Required documentation: Confirmation project is approved by PG&E inspectors
 - b. Timeframe: Typically 3 business days of notification your project has been approved

The customer is advised not to install the project until PG&E has reviewed the interconnection proposal and all other documents listed above. PG&E recommends waiting for notification of approval before moving forward with the installation.

For more information, please see PG&E webpage: [Virtual Net Energy Metering](#)

For questions about the interconnection process, call PG&E's Solar Customer Service Center at 1-877-743-4112.

SOUTHERN CALIFORNIA EDISON (SCE)

1. Submit an interconnection application through the [Online Application System](#). A single line diagram (SLD) showing the proposed location of equipment, tie-in point, and equipment model information will need to be provided in addition to the required application materials. A fee may also be required. Consult the [Application Checklist](#) for more information.
2. After an initial review to confirm the Application and SLD are complete and consistent with interconnection requirements, the SCE Interconnection team may refer the project for technical review and approval. Upon referral, the installer is provided notice and contact information for the engineer assigned to the project. At SCE's discretion, an onsite inspection and commissioning test may be required as part of the technical review
3. Once an interconnection application is submitted, SCE will assign an engineer to review the application and may request additional information. In some cases, the utility will offer to send out a field engineer to review the interconnection plan and offer their guidance on what they will approve. Ideally, a meeting will be coordinated with both the authority having jurisdiction and SCE to review the interconnection plan.
4. SCE Engineers review the interconnection plan and will issue an email evidencing pre-approval of the proposed interconnection plan.
5. Project proceeds with construction.
6. At the completion of construction, the contractor must submit the final approved building permit and evidence of meter release from the AHJ to complete the interconnection process.

Visit SCE website for additional information: [Virtual Net Metering \(VNM\)](#)

Should you have any questions regarding SCE's interconnection processes, please reach out to either the Grid Interconnection and Contract Development (GICD) team or the Net Energy Metering (NEM) team:

1. Grid Interconnection & Contract Development – Rule 21 Non-Export, Rule 21 Export, Wholesale Distribution Access Tariff (WDAT) and Transmission Owner Tariff (TOT)
 - a. Email: interconnectionQA@sce.com
 - b. Phone: (909) 274-1106
2. Net Energy Metering – Customers who produce their own electricity through an eligible renewable distributed generation system; a rate option called Net Energy Metering (NEM). The NEM option allows you to receive a credit for the surplus electricity you supply to the electric grid.
 - a. Email: nem@sce.com
 - b. Phone: (866) 600-6290

SAN DIEGO GAS & ELECTRIC (SDG&E)

1. Submit an interconnection application through the [SDG&E Solar Application Portal](#).
 - a. Customers are eligible for the Fast Track Process if the system size is less than 30kW, the application is submitted five (5) business days prior to the city/county inspection, and there are no access issues on the property. In order to apply for the Fast Track Process the application must include a clear digital photo of the plaque and the electric meter (in the same frame). These additional items will need to be uploaded along with the single line diagram (SLD).
 - b. Online applications are processed within 30 days of being received
2. Once Interconnection agreements are received, SDG&E will review application and SLD. SDG&E will notify customer and contractor of any deficiencies via DIIS portal. The contractor will then resubmit, if needed, via DIIS for a second review. SDG&E will respond via email with acceptance notice.
3. The project proceeds with construction and upon completion, the contractor arranges for inspection with local AHJ.
 - a. If inspection passes, then the contractor notifies SDG&E and submits the final building permit and evidence of meter release from the AHJ
4. SDG&E completes field inspection and if approved, completes the interconnection process and sends notice of permission to operate to the customer and contractor.

For more information, contact SDG&E's Net Energy Metering department:

1. Phone: 1-800-411-7343
2. Email: netmetering@sdge.com