

In order to prevent project delays and cost overruns due to VNEM interconnections for LIWP projects, LIWP-MF requires that the solar PV contractor obtain a pre-interconnection approval before moving forward with the designed install. Contractors must 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.

PROCESS TO OBTAIN NEMV INTERCONNECTION PRE-APPROVAL

SOUTHERN CALIFORNIA EDISON:

1. Submit an application online for a [new service](#) provision. The utility may send out a field engineer to do a 'meter spot' to identify the physical location where the new Net Generation Output Meter (NGOM) will be installed.
2. Submit a VNEM interconnection application through the [SCE NEM portal](#). A single line diagram 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. (It is suggested, but not required to include illustration of proposed intertie and PCC. Show working clearance).
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. Owner submits a copy of the pre-approval email to LIWP-MF along with evidence of securing the solar permit from the authority having jurisdiction (building department) for milestone #3.
6. Project proceeds with construction.

7. At the completion of construction, contractor must submit the finalized building permit and evidence of meter release from the AHJ to complete the interconnection process.

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

General NEM interconnection Email: customer.generation@SCE.com

PACIFIC GAS & ELECTRIC (PG&E):

Create a login to access [PG&E interconnection portal](#). Here, you can create a new application in the portal. This application will request basic system details, interconnection agreement, proposed single line diagram, and proposed VNEM allocation. You must also submit photos and illustrations showing the existing equipment locations (including gas meter locations and clearances), interior of equipment enclosures, proposed location of new Net Generating Output Meter, AC Disconnects, electrical panel where tie in is proposed, and conduit. In cases where there is no clear tie-in plan, PG&E may conduct an on-site engineering review. You will also need to provide documentation showing the meters are all on the same parcel. See here for example documentation of [parcel map](#) and [equipment location and photos](#). Please refer to PG&E's Electrical & Gas Service Requirements aka PG&E's "Green Book".

1. Once an interconnection application is submitted, PG&E will assign an engineer to review the application and may request additional information. (Note: engineering review may take from 3 weeks to greater than 2 months. Please refer to the [Rule 21](#) tariff for engineering study timelines). The PG&E engineer will review and verify the submitted pictures and illustrations of equipment, and the proposed interconnection plan.
2. PG&E engineers will issue an email evidencing pre-approval of the proposed interconnection plan. Approvals must be obtained by both the metering engineers and distribution planning engineers. Service planning will need to be involved in cases where mitigation work or temp shutdowns are required.
3. Owner submits a copy of both pre-approval emails to LIWP-MF along with evidence of securing the solar permit from the authority having jurisdiction (building department) for milestone.
4. Project proceeds with construction.

5. At the completion of construction, contractor must submit the finalized building permit and evidence of meter release from the AHJ to complete the interconnection process.

See Also PG&E webpage: [Virtual Net Energy Metering Overview](#)

SAN DIEGO GAS & ELECTRIC (SDG&E):

1. Schedule a field meeting with SDG&E, a requirement for applying for metered virtual net energy metering (VNEM) tariff. Contact SDG&E at (858) 636-5582 to schedule the field meeting.
2. Prepare a single line diagram showing the proposed interconnection plan prior to the field meeting and bring a printed copy of the single line diagram to the field meeting. SDG&E will review/approve proposed Net Generation Output Meter (NGOM) location(s).
3. SDG&E creates accounts for each NGOM. SDG&E designates addresses to each NGOM and sends the list of NGOMs and associated addresses to the customer/contractor via email.
4. Customer/Contractor submits application online through Distribution Interconnection Information System (DIIS, online portal) for each NGOM. Submit the single line diagram with the applications and for applications >30 kW, submit two signed copies of Interconnection Agreement. For <30 kW, terms and conditions are required. For projects with bus taps, an approved bus tap drawing is required.
5. Once Interconnection agreements are received, SDG&E will review application and SLD. SDG&E will notify customer/contractor of any deficiencies via DIIS portal. Customer/contractor will then resubmit, if needed, via DIIS for a second review. SDG&E will respond via email with acceptance notice.
6. Once the SDG&E acceptance notice is received, the owner submits the pre-approval email to LIWP-MF along with evidence of securing the solar permit for milestone #3.
7. The project proceeds with construction.
8. At the completion of construction, contractor must submit the finalized building permit and evidence of meter release from the AHJ to complete the interconnection process.

General VNEM email: netmetering@semprautilities.com

ADDITIONAL RESOURCES:

https://www.sdge.com/sites/default/files/VNM-A_NEM-V-AGG-Process-Checklist_0.pdf

<https://www.sdge.com/residential/savings-center/solar-power-renewable-energy/net-energy-metering/nem-programs-and-benefits>

CONTACTS:

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