SCE Grid Interconnection
Frequently Asked Questions
Rule 21 Tariff

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SCE offers these guidelines to help you understand our Generator Interconnection Procedures. However, in the case of discrepancies, SCE's tariffs and interconnection documents prevail.

*Note: The answers shown below were developed from the information found in the **Rule 21 tariff** located at:* https://www.sce.com/NR/sc3/tm2/pdf/Rule21_1.pdf

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1. What is a Rule 21 application?

Response

A Rule 21 application is a request for the interconnection of a Generating Facility to Southern California Edison's (SCE) Distribution System, over which the California Public Utilities Commission (CPUC) has jurisdiction.

There are two applications:

- For Exporting (Form 14-918)
- For Non-Exporting (Form 14-732)

Only one application needs to be submitted for each type of project. Please refer to SCE's Rule 21 Tariff to determine the specific requirements for appropriate application type.

2. Where can I find the Rule 21 tariff and Applications?

Response

The Rule 21 Tariff is located at the following link:

https://www.sce.com/NR/sc3/tm2/pdf/Rule21_1.pdf

There are two Rule 21 Application forms:

- Rule 21 Exporting Application (Form 14-918)
- Rule 21 Non-Exporting Application (Form 14-732)

You can download these forms by navigating through SCE Open Access web page link shown below:

www.sce.com/gridinterconnection

Then select:

"**Rule 21 Application Form for the Exporting Generator**" to access Form 14-918.

"**Rule 21 Application Form for the Non Exporting Generator**" to access Form 14-732 **or**

3. What interconnection agreement is appropriate for my project?

Response

For exporting Generating Facilities, there are two potential interconnection agreements. If your project passes the Rule 21 Fast Track Process, the appropriate interconnection agreement is the *Rule 21 Generator Interconnection Agreement for Exporting Generating Facilities Interconnecting under the Fast Track Process* (Form 14-919). If your project is processed via the Rule 21 Detailed Study Process, the appropriate interconnection agreement is the *Rule 21 Generator Interconnection Agreement for Exporting Generating Facilities Interconnecting under the Transmission Cluster Study or Independent Study Process*.

For a Non-Export Application, please see pages 5-7 of Form 14-732 for a list of the available Generator Interconnection Agreements.

- If a project is operating in the isolated or momentary parallel mode, an interconnection agreement is not required; however, the Interconnection Customer/Applicant will still need to submit an application (Form 14-732).

Please note that all projects must be processed in compliance with the interconnection requirements of SCE's Rule 21 Tariff to be eligible to receive a Rule 21 Generator Interconnection Agreement.

You can find Forms 14-919 and 14-732 at the following link, under the section Interconnection Agreements:

https://www.sce.com/wps/portal/home/regulatory/tariff-books/filed-forms

In addition, Net Energy Metering has six (6) Agreement Forms and they may be accessed through the following link:

www.sce.com/nem

Similarly, the RES-BCT website may be accessed by clicking here.

4. What documents must be submitted with a Rule 21 application?

Response

For an Exporting Generating Facility:

If your generating facility is an exporting generating facility, you will need to submit Form 14-918 (*Rule 21 Exporting Generating Facility Interconnection Request)*. This form is located at the link shown under Question 2 above.

Your application MUST include the following:

- A completed Interconnection Request form for processing (Form 14-918)
- A completed Attachment A (see Form 14-918), Interconnection Request Generating Facility Data
- Applicable Interconnection Request fee or Detailed Study deposit amount as specified in Rule 21 (see answer to question 5 below). Please see the "Request for Payment Instructions" form attached to the interconnection application Form (14-918) for directions on how to submit your payment.)
- Evidence of Site Exclusivity as specified in Rule 21 Section E.2.d as applicable, including name(s), address(es) and contact information of site owner(s)
- Site drawing to scale, showing generator location and Point of Interconnection with SCE's Distribution System
- Single line diagram showing applicable equipment such as generating units, step-up transformers, auxiliary transformers, switches/disconnects of the proposed interconnection, including the required protection devices and circuit breakers. **This drawing must be signed and stamped by a licensed Professional Engineer** if the Generating Facility is larger than 50 kW.

Note: For wind and photovoltaic generator projects, the one line diagram should include the distribution lines connecting the various groups of generating units, the generator capacitor banks, the step up transformers, the distribution lines, and the substation transformers and capacitor banks at the Point of Interconnection with SCE's Distribution System.

For Non-Export, Isolated Operation Mode, Multi Tariff, or Uncompensated Export Generating Facilities:

Your application MUST include the following:

- A completed Interconnection Request form for processing (Form 14-732)
- An Initial Review fee check or money order in the amount of $ 800, if applicable. Please see the "Request for Payment Instructions" form attached to the interconnection application Form (14-732) for directions on how to submit your payment.
- Single-line drawing showing the electrical relationship and descriptions of the significant electrical components such as the primary switchgear, secondary switchboard, protective relays, transformers, generators, circuit breakers, with operating voltages, capacities, and protective functions of the Generating Facility, the Customer's loads, and the interconnection with SCE's Distribution System. Show the location of all required net generation electric output. Drawings must conform to accepted engineering standards and must be legible. 11"x17" drawings are preferred

- Site plans and diagrams showing the physical relationship of the significant electrical components of the Generating Facility such as generators, transformers, primary switchgear/secondary switchboard, and control panels, the Customer's loads and the interconnection with SCE's Distribution System. Please show the location of all required net generation electric output meters and the A.C. manually operated disconnect devices on the site plans.
- Photos of the AC Disconnect, showing visible contact separation in the open position.
- If the point of interconnection is on the utility side of the main circuit breaker and/or it is a Virtual Net Energy Metering project, please provide switchgear, switchboard, or main panel cut-sheets/shop drawings detailing the bussing and proposed point of interconnection including any proposed modifications showing resultant clearances. The proposal must include a signed PE stamp and modifications must be re-certified by the manufacturer or a qualified third party. In addition, please provide pictures of the point of interconnection prior to modification. Pictures of the point of interconnection post-modification must be provided prior to scheduling of SCE commissioning test.
- If the project requires a net generation output meter (NGOM), provide meter socket cut-sheets of the net generation output meter socket.
- If transformers are used to interconnect the Generating Facility with SCE's Distribution System, provide transformer nameplate information (voltages, capacity, winding arrangements, connections, impedance, et cetera).
- If a transfer switch or scheme is used to interconnect the Generating Facility with SCE Distribution System, provide component descriptions, capacity ratings, and a technical description of how the transfer scheme is intended to operate.
- If protective relays are used to control the interconnection, provide protection diagrams or elementary drawings showing relay wiring and connections, proposed relay settings, and a description of how the protection scheme is intended to function.

The Application Form (Form 14-732) and the accompanying documents listed above must be submitted before this application can be processed.

Please note that digital copies of application documents are greatly appreciated and may be submitted to: Rule21@sce.com

5. How much does it cost to submit a Rule 21 application?

Response

For an exporting generator or for a non-exporting generator either "in parallel" or in "momentary parallel" operating mode with SCE's Distribution System, an $800 interconnection request fee is required.

Please see Section E.2.b.i of the Rule 21 tariff to see if an additional Supplemental Review Fee of $2,500.00 is required.

Shown for your reference is Table E.1 of Rule 21 (ref. Rule 21 Revision September 20, 2012), which summarizes the Interconnection Request, Study Deposit and Commissioning Test fees.

Table E.1 Summary of Interconnection Request Fees, Deposits and Exemptions

Generating Facility Type	Interconnection Request Fee	Supplemental Review Fee	Detailed Study Deposit	Additional Commissioning Test Verification
Non-Net Energy Metering	$800	$2,500	For a Generating Facility with a Gross Nameplate Rating of 5 MW or less and applying to the Independent Study Process or the Distribution Group Study Process, $10,000 for a System Impact Study and $15,000 for a Facilities Study. For a Generating Facility with a Gross Nameplate Rating above 5 MW, $50,000 plus $1,000 per MW of electrical output of the Generating Facility, or the increase in electrical output of the existing Generation Facility, as applicable, rounded up to the nearest whole MW, up to a maximum of $250,000	$150/Person Hour *
Net Energy Metering (per PUC sections 2827, 2827.8, or 2827.10 (per D.02-03-057)	$0	$0	$0	N/A
Solar 1MW or less that does not sell power to Distribution Provider (per D.01-07-027)	First $5,000 of study fees waived			$150/Person Hour *

*Plus additional costs for travel, lodging and meals.

For a Generating Facility operating in "isolated mode", the interconnection request fee is not required.

For more information about modes of operation, please review the instructions located on page 5 of 14 of Form 14-732.

6. How can we submit a Rule 21 application?

Response

The applicant can send the completed application directly to SCE via email, fax or mail. Instructions for sending the application are on page 2 of Form 14-732 and page 3 of Form 14-918.

Please note that digital copies of application documents are greatly appreciated and may be submitted to: Rule21@sce.com

The address for sending by mail is the following:

Grid Interconnection & Contract Development
Southern California Edison
2244 Walnut Grove Ave
PO Box 945
Rosemead, CA 91770

For questions:

Email: interconnectionQA@sce.com

Phone: (626) 302-3688

7. Is there a project review process or timeline?

Response

The review process and timeline of the interconnection process are dependent on (1) the review process applicable to the customer's project and (2) the customer providing all the necessary information in a timely fashion. Process)

Please see the relevant tariff sections for full details for each timeline.

- For an overview of the interconnection review process, refer to Section F.1 of Rule 21.
- For the Fast Track Interconnection Review Process, refer to Section F.2 of Rule 21.
- For the Detailed Study Interconnection Review Process, refer to Section F.3.a of Rule 21.
- For special timeline sections applicable to Generating Facilities that will receive service under a Net Energy Metering program, refer to Section D.13 of Rule 21.

8. Where can I find more technical information about a potential site?

Response

SCE's Interconnection Map provides SCE system data pertinent to Distributed Generation (DG) developers searching for possible interconnection locations on the SCE distribution system. This set of maps includes the locations of SCE distribution circuits, substations, subtransmission systems, and areas of transmission constraints along with the associated circuit/substation/system voltage, available capacity, and current and queued DG interconnections amounts.

You can access these maps by navigating through SCE Open Access web page link shown below:

www.sce.com/gridinterconnection

Then selecting:

"SCE Interconnection Maps."

Note: You will need to have Google Earth software to see the circuit maps.

In addition, you may request a "Pre-Application Report". This is an optional report that is described in Section E.1 of the Rule 21 Tariff. A copy of the tariff can be found at the link shown under Question 2. The Rule 21 Pre-Application Report Request can be found at the following link:

http://www.sce.com/gridinterconnection

Then selecting the following sequentially:

"Rule 21"

"Fillable Pre-Application Report Request Form"

9. Where can I find the Initial Review Screens?

Response

These screens are described in Rule 21, Section G.

10. Other helpful websites and contacts

Response

For information about NEM (Net Energy Metering)

https://www.sce.com/wps/portal/home/business/generating-your-own-power/net-energy-metering/

For Information on Generating Your Own Power:

https://www.sce.com/wps/portal/home/residential/generating-your-own-power/

For information about RES-BCT (Renewable Energy Self Generation Bill Credit Transfer) Program

https://www.sce.com/wps/portal/home/business/generating-your-own-power/renewable-energy-self-generation-bill-credit-transfer/

For information on Energy Procurement

https://www.sce.com/wps/portal/home/procurement/