

SECTION ONE – GENERAL INFORMATION

All Roseville Electric Utility (REU) multifamily Customer-Generators installing distributed generation (DG) systems (solar, energy storage, wind, etc.) operating in parallel with Roseville Electric Utility's electric grid must receive approval to interconnect prior to installation. The customer or installing contractor may complete and submit this application. Signatures are required by the property owner and installing contractor.

Under this program, multifamily commercial new construction and retrofit DG systems can apply to interconnect with either a single DG system for each individual electric metered service, or a single DG system with a single point of interconnection, for multiple multifamily electric metered services.

Applicants and installing contractors should review, and understand, Roseville Electric Utility's Rule 21 and Commercial Construction Standards. These documents are available at roseville.ca.us/electric.

SECTION TWO – INTERCONNECTION COMPLIANCE

All DG interconnection applications under this Multifamily Distributed Generation Program must comply with the following items:

- DG systems shall at all times comply with Roseville Electric Utility's **Rule 21** and **Commercial Construction Standards** as well as with all applicable laws, tariffs, electrical codes, and applicable requirements of the City of Roseville. Failure to abide by these requirements may result in delay, or rejection, of DG system interconnection, or permission to operate. All installed DG systems must meet these requirements.
- DG systems shall be subject to a supplemental engineering review and approval conducted by Roseville Electric Utility. Roseville Electric Utility reserves the right to deny applications for any/all DG systems that do not comply with utility standards.
- DG systems with a single point of interconnection, installed to meet Title 24 requirements for multiple electric metered services, shall be designed and constructed with a single separate metered electric service and utility billing account. No other electrical loads shall be included.
- DG systems with a single point of interconnection, installed to meet Title 24 requirements for multiple electric metered services, shall provide a full list of included electric services. The list shall outline all the individual electric metered services and areas within the site covered by the DG system and shall include address, square footage of unit(s), and building complex information. The minimum number of residential units shall be no less than five units per DG system.
- DG systems shall not exceed a maximum system size of 1000kW CEC-AC.
- DG systems shall be designed and constructed to not produce more electric kilowatt hour (kWh) energy than what is required under California Building Standards Code - Title 24 - solar requirements for multifamily construction, unless approved by Roseville Electric Utility.
- DG systems shall be designed and constructed completely within the property boundaries.
- It is acknowledged that the Roseville Electric Utility may offer a future virtual multifamily metering program that replaces in whole, or in part, this DG program. By participating in this DG program, and as express consideration for its benefits, current and future property owners, property developers, and tenants, agree to participate in, and to be automatically enrolled, in any/all future Roseville Electric Utility provided multifamily virtual metering programs and agree that energy produced from the DG system under this application may be allocated to property owners and tenants as outlined in the Roseville Electric Utility's future multifamily virtual metering program requirements.
- Current and future property developers, property owners, and property managers agree to be responsible for notifying all current and future tenants and property owners about the requirement to automatically enroll in future Roseville Electric Utility virtual multifamily metering programs.

In addition to the above requirements, and dependent upon the characteristics of the planned DG system, there may be additional documents, approvals, charges, regulatory requirements, and/or new requirements mandated by Roseville Electric Utility.

Roseville Electric Utility is a department of the City of Roseville, and is separate from the Building Services Division that handles building permits. It is recommended that applicants submit an interconnection application to Roseville Electric Utility prior to submitting a building permit.

PROPERTY / INSTALLATION INFORMATION			
Owner name		Contact name	
Property/Installation address	Zip	Telephone	E-mail
DG SYSTEM INSTALLER			
Name of company		Telephone	
Mailing address (street)		Installation address (city)	Installation address (zip)
City of Roseville business license #		Contractor's license #	
Contact name		Contact phone	Contact email
DG SYSTEM INFORMATION			
Number of panels	Number of energy storage devices	Total CEC AC system kilowatts (kW)	Estimated installation date
Is the proposed system an addition to an existing system?		When was existing system installed?	# of panels on the existing system?
ENERGY USE INFORMATION (skip this section for new construction)			
I have more than 12 months of energy use at this location and have completed and attached the usage report.			12 months of energy usage in kWh
DESCRIPTION OF SERVICE			
A new DG energy system interconnecting to an existing electrical service (retrofit).			<input type="checkbox"/>
Physical changes to an existing interconnected DG energy system which was previously approved by Roseville Electric Utility (i.e. adding solar panels, changing inverters, adding energy storage). Existing system details must be provided – the array plan and single line diagram must indicate existing and proposed system details, inverter, and panel information.			<input type="checkbox"/>
New construction; a new electrical service with a new interconnected DG energy system. Attach Title 24 report.			<input type="checkbox"/>
New construction with a single point of interconnection and multiple electric metered services. List all electric services included in the DG system, and provide a separate attachment listing all of the unit addresses, electric services, and areas in which Title 24 requirements are being met with this application.			<input type="checkbox"/>

SECTION THREE – EQUIPMENT INFORMATION

Dedicated Customer Back Feed Breaker: All customer owned distributed generating systems shall be fed off a dedicated customer back feed breaker located within the main electrical panel as detailed in Roseville Electric Utility's commercial construction standards. Line side connections on Roseville Electric Utility equipment is prohibited.

AC Disconnect Switch: All installed DG systems in Roseville Electric Utility's service territory shall have a DG AC disconnect device(s) installed within line of sight of the meter panel, between the customer's breaker and inverter(s). The disconnect device(s)

must be accessible at all times and shall be a “visible open” type device, meaning an air gap must be visible between the trailing edge of the moving contact and the stationary contact without the removal of the arc suppression cover. All disconnect devices shall be able to be locked in the OPEN/OFF position. See **Rule 21** and Roseville Electric **Construction Standards** for details.

Batteries / Energy Storage: Energy storage interconnected in parallel to Roseville Electric Utility’s grid will be subject to a supplemental review process by Roseville Electric Utility.

SECTION FOUR – METERING AND PERMISSION TO OPERATE

Roseville Solar 2.0: For all new DG systems, and existing systems expanding more than 10%, a Roseville Solar 2.0 multi-register revenue meter shall be installed. The Roseville Solar 2.0 meter is capable of measuring the Customer-Generator’s kWh consumption from the Utility’s electric grid, and in the event the energy generated by the DG system exceeds the energy consumed, the meter will also measure the kWh that Roseville Electric Utility receives back to the electric grid from the Customer-Generator’s DG energy system.

- Roseville Electric Utility will assess the existing customer meter to determine if a multi-register meter upgrade is necessary. If the existing meter does not have this capability, Roseville Electric Utility must upgrade the meter to the multi-register technology.
- The cost of a meter upgrade is the responsibility of the Customer-Generator and charges will be included as fees collected in the permitting process.
- The multi-register meter charge is subject to change. See our web page for the current meter upgrade charge.

Meter Access: Unobstructed access to the electric meter must be provided at all times for meter reading and system maintenance. Keys must be provided for locked gates, doors, or equipment.

Access to Roseville Municipal Code Electric Meter Tariffs: Qualified Customer-Generators applying for DG system installations will have access to the Roseville Municipal Code 14.24.051 electric generation rates as a condition upon the system meeting all Rule 21 and Roseville Electric Utility Construction Standards requirements. Failure to meet and/or maintain DG equipment and operational standards may result in the loss of access to meter tariffs.

Permission to Operate or Interconnect: DG systems installed in Roseville may not operate in parallel with Roseville Electric Utility’s distribution system without authorization from Roseville Electric Utility (i.e. receive the Permit to Operate). Unauthorized parallel operation could result in injury to persons and/or damage to equipment and/or property for which the customer may be liable.

Safe Operation of the DG system: Notwithstanding any other provision of this application, if at any time Roseville Electric Utility determines that either the DG system, or its operation, may endanger utility personnel or the continued operation of the DG system may endanger the safe and reliable operation of the utility’s electrical system, Roseville Electric Utility shall have the right to disconnect the DG system from their distribution system. The DG system shall remain disconnected until such time as Roseville Electric Utility is satisfied that the unsafe conditions have been corrected.

Billing and Metering Tariffs: Billing and metering tariff details can be found in Roseville’s Municipal Code: <http://qcode.us/codes/roseville/> or call 79- POWER for assistance.

SECTION FIVE - INTERCONNECTION APPLICATION PROCESS

Interconnection: For non-residential Customer-Generators requesting interconnection to Roseville Electric Utility several interconnection agreement documents are required to ensure safe and reliable operation of Roseville Electric Utility’s distribution system and to confirm that the Customer-Generator’s interconnection has been performed in accordance with utility requirements. Failure to abide by these requirements could result in a DG system being locked off or delay interconnection approval. Customer-Generators should not delay sending any part of the submittal package to Roseville Electric Utility.

Required Documents for Interconnection Applicants:

- A completed copy of the signed “Interconnection Application: Multifamily Distributed Generation Program”.
- A City of Roseville building permit.
- A multifamily multiple address list form.
- Engineering and construction diagrams, including a single-line diagram.
- Documentation showing DG system equipment, such as make and model of solar panels.
- CSI Standard PV Calculator input and results. csi-epbb.com

Applicants must receive interconnection approval from Roseville Electric Utility prior to construction.

**DO NOT BEGIN CONSTRUCTION PRIOR TO
RECEIVING APPROVAL OF AN INTERCONNECTION APPLICATION**

Upon Completion of the Installation:

- Contact Roseville’s Building Services Division to schedule a DG system inspection - 916-774-5332.
- Submit to Roseville Electric Utility a copy of the signed Permission to Operate Request.
- Contact Roseville Electric Utility to request permission to operate – 916-79-POWER. Roseville Electric Utility will notify applicants once all program requirements and inspections have been approved.
- Prior to turning on, or energizing, a DG system two requirements must be met: a multi register meter must be installed, and a signed Permission to Operate, issued by Roseville Electric Utility, must be received.
- The contractor installing the DG system must notify the customer that they may not turn on, or energize, the DG system before receiving the Permission to Operate form from Roseville Electric Utility.
- The contractor installing the DG system must notify the customer there may be a system performance inspection to verify proper system operation before permission to operate is approved. Roseville Electric Utility will send notification of this inspection to the customer.

SECTION SIX - DOCUMENT SUBMITTAL CONTACT INFORMATION

Email the required documents and application to solar@roseville.ca.us

For questions, please contact Roseville Electric Utility (916) 79-POWER or solar@roseville.ca.us

SECTION SEVEN – TERMS AND CONDITIONS

The undersigned declares under penalty of perjury that:

- The site installation is located within the service territory of Roseville Electric Utility.
- The above described DG system is intended primarily to offset part or all of the Customer-Generator’s electrical needs at the site of installation or to meet California Building Standards Code - Title 24 - solar requirements for multifamily construction.
- The contractor and property owner/developer agree to abide by the terms set forth in the Roseville Electric Utility Commercial Construction Standards and Rule 21 for system interconnection with Roseville Electric Utility.
- The contractor and property owner/developer agree to be bound by and abide by the terms set forth in this Interconnection Application: Multifamily Distributed Generation Program.
- The contractor and property owner/developer agree the selection of the equipment is their sole responsibility. Roseville Electric Utility makes no representation as to the safety, reliability and/or efficiency of the equipment selected or components thereof.
- Roseville Electric Utility makes no warranty, whether expressed or implied, including warranty of merchantability of fitness for any particular purpose, use or application of the equipment.
- The information provided in this form is true and correct to the best of their knowledge.

CONTRACTOR WILL ADVISE CUSTOMER-GENERATOR THEY MUST NOT OPERATE THEIR DG SYSTEM UNTIL THEY RECEIVE THE PERMISSION TO OPERATE FROM THE UTILITY.

INSTALLING CONTRACTOR SIGNATURE	
Installing contractor company name	Date
Installing contractor contact name (print)	
Installing contractor contact signature	
PROPERTY OWNER/DEVELOPER SIGNATURE	
Property owner/developer name	Date
Property owner/developer name contact name (print)	
Customer generator signature	