Net Metering & Energy Storage Device (ESD) Interconnection

PROGRAMS HANDBOOK

July 1, 2020 – June 30, 2021

NV Energy
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Please ensure you are reading the most recent version of this handbook, which is available on the NV Energy website at www.nvenergy.com

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OVERVIEW OF NET METERING
AND ENERGY STORAGE DEVICE (ESD) PROGRAM

The goal of this handbook is to describe the steps in the net metering and interconnection process. This handbook outlines the requirements for receiving interconnection approval from NV Energy for the installation of a non-incentivized renewable energy system and/or non-incentivized Energy Storage (ESD) system.

- All interconnection applications must qualify for, participate in and comply with all of the rules of NV Energy, Net Metering Rules, Electrical Services Requirements (ESRs) and Tariffs.
- All portfolio energy credits issued for a solar energy system belong to the solar system owner.
- NV Energy will install digital “smart meters” that may include bidirectional or generation meters for all program participants. The metering requirements will be defined based on the configuration, installation and whether an ESD is included. Please refer to the metering standards in this document.
- NV Energy is not responsible for operation, maintenance, or energy production of renewable energy systems installed through this program.
- NV Energy is not responsible for consumption changes or billing changes because of the customer’s decision to install a renewable energy or energy storage system.
- Installations must be permitted through the local building authority and interconnections must be performed by a Nevada licensed C-2 or C-2g electrical contractor. If a contractor’s license is expired, suspended, or revoked, the authority having jurisdiction will not conduct the permit inspection.
- The contract sales price must be within the Contractor’s License Monetary limit. For example, if the contract license monetary limit is $100,000, the contract price cannot exceed that amount.
- Self-installations are allowed by the property owner. All self-installations must be performed by the property owner and we will abide by the Nevada State Contractors Board rule found here: [http://www.nvcontractorsboard.com/contractor_license_requirements.html#2](http://www.nvcontractorsboard.com/contractor_license_requirements.html#2) and we will validate that the self-installer is indeed the property owner.
DEFINITIONS AND TERMS

**Alternating Current (AC):** The form in which electricity is delivered to residences and businesses. This is the type of electricity produced by the inverter and delivered to the home and the utility grid through the service panel.

**Applicant:** The party responsible for preparing the application in NV Energy’s application portal.

**Back-up load Panel Meter:** A one directional meter that measures power being consumed by the back-up loads. This meter is unique to DC-Coupled ESD projects which utilize a backup load panel (NV Energy’s RE-3 standard, Attachment 6). This meter is installed in conjunction with an Energy Storage Meter to measure battery performance in this specific equipment configuration.

**CEC AC Sizing:** Is the California Energy Commission rating standard for measuring the nominal output power of a PV module/cells to determine the system rating.

**Consumption History:** A method used to size the system. The Host Customers annual energy usage (kWh) is the sum of the largest 12 consecutive months of billing energy data within the past 24 months.

**Applicant:** An individual or who is designated by the NV Energy host customer to apply to NV Energy’s net metering program on the host customer’s behalf.

**Direct Current (DC):** The electrical current produced by the generating system. Similar to the energy from a battery, this type of current is not typically used in the home but must be converted to AC electricity by the inverter before being used in the home or returned to the grid.

**Disconnects:** An AC or DC breaker in a distribution panel or a fusible switch. Both may be required. NV Energy personnel must have access to the disconnect breaker.

**Energy Audit Report:** A report may be used to quantify the annual amount of energy the customer’s household uses. The energy auditor must have an active license issued by the Nevada Real Estate Division, and all aspects of the energy audit report must follow the standards set forth by the legislative statute NRS 645D.300.

**Energy Capacity:** The maximum amount of electrical energy, in kilowatt-hours (kWh), that an energy storage system can store as rated by the manufacturer. For instance, if you have two batteries, each capable of storing 5kWh, your system’s energy capacity would be 10 kWh.

**Energy Storage Device (ESD):** A commercially available technology that is capable of retaining energy or storing energy for a period of time and delivering the energy after storage, including, without limitation, by chemical, thermal or mechanical means. An ESD is also considered a generator for the purposes of this document.

**Energy Storage Meter:** A revenue grade, bi-directional, utility owned and operated interval meter that may monitor the power flow to and from the Energy Storage Device.

**Engineering Calculations Document:** A method used to size the system. Host customers engineer estimated annual energy usage (kWh) stamped and signed by a Nevada licensed professional electrical engineer.

**Final Inspection Card:** Must come from the local jurisdiction indicating the date of satisfactory final solar system and or ESD system inspection.

**Grid:** The distribution network of NV Energy.
**Host Customer:** The NV Energy customer on record at the proposed installation location. The host customer name must exactly match the name on the NV Energy account. The host customer is responsible for making any changes to their NV Energy account prior to application. Persons listed as co-Applicants on the NV Energy bill may apply as the host customer.

**Installer:** The individual who performs the system installation and interconnection. NV Energy requires installations to be performed by a Nevada licensed electrical contractor. A Nevada licensed contractor is required for any renewable energy system that is paired with incentivized energy storage system. Self-installs must be performed by the property owner and adhere to the Nevada State Contractors Board rule found here: [http://www.nvcontractorsboard.com/contractor_license_requirements.html#2](http://www.nvcontractorsboard.com/contractor_license_requirements.html#2)

**Interconnection Agreement:** Agreement for interconnection of renewable energy generating facilities and/or energy storage facilities to the NV Energy system.

**Inverter:** A device that converts DC current into AC current for use at the property where the system is located. Only grid-interactive inverters are eligible for participation in the Energy Storage programs. Please refer to NV Energy’s RE-3 standard for detailed requirements.

**Large Commercial/Industrial Customer:** Non-residential customers in rate classes GS-2, LGS-1 or larger.

**Livable Square Footage:** A method used to size the system. This sizing method cannot be used if a customer has 12 or more months of consumption history. The estimated power (kW) can be calculated by multiplying the Livable Square Footage by .0028 (2.8 watts/square foot) for southern Nevada projects or .002 (2 watts/square foot) for northern Nevada projects.

**Meter Set:** The installation of the net meter and energy storage metering by NV Energy. This occurs after submission of complete supporting documentation, satisfactory net metering verification, and completion of utility safety inspection.

**Net Meter:** A revenue-quality, bi-directional, utility owned and operated interval meter that measures the electricity used by the customer from the grid and the amount of electricity that the customer’s renewable energy and/or ESD sends back to the grid.

**Net Metering:** Enables customers to offset the cost of their electrical consumption by measuring the difference between the electricity supplied by NV Energy and the electricity generated by the customer that is fed back to the utility over the billing period. This will be required for both solar and energy storage installations.

**Non-Profit Entity:** See Public and Other Property.

**One-Line Diagram:** Also known as a single-line diagram. A simplified document for representing an electrical power system. Typically, it is in the form of a block diagram portraying the paths for power flow within a system. Electrical components such as capacitors, conductors, circuit breakers, protection equipment, etc. can be depicted on such diagrams.

**Owned, Leased or Occupied:** Any real property, building or facilities which are owned, leased or occupied under a deed, lease, contract, license, permit, grant, patent or any other type of legal authorization.

**Power Capacity:** Also referred to as the maximum continuous output power capacity. It is the amount of power, in kilowatts (kW), that an ESD can deliver to the grid as rated by the manufacturer. For ESDs measured in btu/hr, the conversion is 1 watt equals 3.41 btu/hr.
Portfolio Energy Credit (PEC): A measured unit that represents one kilowatt hour (kWh) of renewable energy.

Premise: All of the real property and apparatus of a residential or non-residential customer employed in a single integrated activity operating under one name in one or more buildings and/or locations on an integral parcel of land where: (a) such buildings and/or locations are situated on a single unit of property; or (b) such buildings and/or locations are situated on two or more units of property which are immediately adjoining or adjacent, and are not divided by intervening public highways, streets, alleys, railways or waterways.

Property Owner: Individual or entity in possession of title for land or building where the solar panels or ESD was installed.

Public and Other Property: Any real property, building or facilities which are owned, leased or occupied by:

a. A public entity;

b. A non-profit organization that is recognized as exempt from taxation pursuant to section 501(c)(3) of the Internal Revenue Code, 26 U.S.C. § 501(c)(3), as amended; or

c. A corporation for public benefit as defined in NRS 82.021.

d. School Property: Any real property, building or facilities owned, leased or occupied by:
   - A public school as defined in NRS 385.007;
   - A private school as defined in NRS 394.103; or
   - An institution of higher education.

The term includes, without limitation, any real property, building or facilities which are owned, leased or occupied by:

a. A church; or

b. A benevolent, fraternal or charitable lodge, society or association.

Public Entity: A department, agency or instrumentality of the State or any of its political subdivisions.

Public Property: Any real property, building or facilities owned, leased or occupied by:

1. A department, agency or instrumentality of the State or any of its political subdivisions which is used for the transaction of public or quasi-public business; or

2. A nonprofit organization that is recognized as exempt from taxation pursuant to section 501(c)(3) of the Internal Revenue Code, 26 U.S.C. § 501(c)(3), as amended, or a corporation for public benefit as defined in NRS 82.021.

Revenue Meter: Also known as a billing meter, is the meter installed by NV Energy that measures the electricity used by the customer from the grid. Where there is a renewable system installed, the revenue meter also measures the amount of electricity that the customer’s renewable energy system sends back to the grid.

Seller: The party that sells or leases the solar system and/or ESD to the system owner.

Site Plan: This is a top down visual layout of the installation site. It should show the location of all relevant system components including the solar system panels, the energy storage system, any and all inverters, disconnect switches, any and all meters, main service electrical panel, and any and all electrical sub panels. Any
access issues should be indicated on the site plan. This could include, but is not limited to, walls, gates, or equipment installed buildings or structure that are not easily accessible.

**Small Commercial Customer**: Non-residential customers in rate classes GS, GS-1 or smaller, including irrigation rate classes.

**System Owner**: The individual or entity who owns the solar system and/or ESD.

**Third Party Contract**: A signed installation or energy services agreement.

**Utility**: NV Energy

**Utility Interconnection**: The physical connection between the NV Energy grid and the customer generation. An Interconnection Agreement is required for a customer to have on-site electric generation connected to the NV Energy grid.

**Watt**: The basic unit of measure of electric power. One-thousand Watts is equal to one kilowatt (kW). One million Watts is equal to one megawatt (MW). A kilowatt-hour (kWh) is the unit by which residential and most business customers are billed for monthly electric usage. One kWh represents the use of one kilowatt of electricity for one hour.

### APPLICATION

Applications are submitted online through the online application portal that is accessed through the NV Energy website [https://nvenetmeter.powerclerk.com/](https://nvenetmeter.powerclerk.com/).

Applications are reviewed within ten (10) business days\(^1\) to confirm that all required documentation is provided for renewable system interconnection and energy storage device interconnection. If defects are noted, the utility and applicant shall cooperate in a timely manner to establish a satisfactory application. Applications are approved based on the order in which complete applications are submitted.\(^2\)

Deficient applications will be returned to the applicant for correction. Deficient applications that are not corrected within 20 calendar days of the Applicant being notified of the deficiency are canceled. Upon resubmittal, the application will be re-reviewed for accuracy.

Important communications are sent by email to program participants. Accurate email addresses are required for ALL program participants, including host customers.

\(^1\) Rule 15 Paragraph D.1.b

\(^2\) NRS 701B.210.3
The chart below shows the documents required for all non-incentive applications:

<table>
<thead>
<tr>
<th>Documents Required</th>
<th>Net metering + Energy Storage Application</th>
<th>Net Metering only Application</th>
<th>Non-incentive Energy Storage only Application</th>
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<tr>
<td>Copy of the installation contract or energy services agreement for the installation of the system</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Site Plan</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>One-Line Diagram</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Energy Storage Technical Specification</td>
<td>✔</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Includes: Data/Specification sheet with nameplate or Power Capacity listed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Inspection card and/or satisfied building permit</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Fully executed Interconnection Agreement</td>
<td>✔</td>
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<td>✔</td>
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INTERCONNECTION DOCUMENT REVIEW

Prior to any renewable energy or energy storage device application advancing to the pending utility inspection status, all required documentation must be uploaded into the online application portal. Any modification of the customer’s electrical bus bar (drilling, tapping, etc.) will also require a UL Recertification Report (conducted by a licensed third-party testing agency) or a manufacturer’s review and approval to be submitted.

If the documents are incomplete and the project is suspended, the Applicant has 60 days to make corrections. If the correction is not received within 30 days, NV Energy will send a final notice indicating that the Applicant has 30 days to correct or their application will be canceled.

Below is a breakdown of all documents and their requirements.

**Contract:**

- Installation address
- Names and signatures of the NV Energy Host Customer and the Installer. Host Customer name on the contract or agreement must match the name on the application and the NV Energy account. In the case of a lease agreement (or PPA), a copy of the executed lease agreement/PPA must be attached to the executed installation agreement. In the case of a landlord/tenant situation, the tenant as the customer on the Utility account can designate the property owner to act as the Host Customer as related to the Application. This can be done by completing and submitting the appropriate Landlord Designated Applicant form.
- The project contract value must be listed on the contract to confirm that the contract price is within the Contractor’s License Monetary limit. For example, if the contract license monetary limit is $100,000, the contract price cannot exceed that amount.
- The DC wattage, expected energy of the system or other clear indication of proposed system size.
- The Power Capacity, Energy Capacity of the energy storage system or other clear indication of the proposed system size. (Applies to applications for energy storage only or solar + energy storage coupled systems)

**Site Plan:**

- Installation address
- The location of all relevant system components including the solar system panels, the energy storage system, any and all inverters, disconnect switches, any and all meters, main service electrical panel, and any electrical sub-panels. Any access issues should be indicated on the site plan. This could include, but is not limited to, walls, gates, or equipment installed inside buildings or structures that are not easily accessible.

**Technical Diagram:**

- Installation address
- Either single-line or three-line diagrams
Must show the electrical connections for all relevant electrical systems on site. This would include any existing or previously installed renewable generation, distributed generation or energy storage equipment in addition to any ancillary components. Technical specification, including any telecommunications protocols or equipment, for all included electrical systems should also be provided. This includes inverters, energy storage systems (or battery modules), renewable energy systems, or others.

**ESD Data Specifications:** Data/spec sheets with nameplate or power capacity listing are required for energy storage system applications.

**Final inspection card and/or Satisfied Building Permit:** Must come from the local jurisdiction indicating the date of satisfactory final solar system and or ESD system inspection. Satisfaction of a permit is shown via a copy of final inspection results and date, which is a separate document than the permit. Required is a copy of the permit with an attached copy of the inspection passed results. In the case of jurisdictions that do not have a building official, verification by a Nevada licensed professional engineer is required attesting to compliance with all applicable state, county, and federal codes and ordinances.

**Interconnection Agreement:** Please make sure the Host Customer, Property Owner, and System Owner in Interconnection Agreement match PowerClerk. Please make sure all parties have signed and dated the document.

**Requirements**

The metering configuration must comply with NV Energy’s RE3 Net Metering standard. This can be found at: https://www.nvenergy.com/publish/content/dam/nvenergy/brochures_arch/account-services/building-and-new-construction/electric-service-standards-south/re/ESRNPC-RE003-REV11.pdf.

**Meter and Disconnect Switches**

All utility meters and disconnect switches shall be located on the exterior of the building or in an electrical supply room that is easily accessible to NV Energy personnel.

**Inverter**

Inverters must be IEEE 1547 compliant.

**APPLICATION FEES**

Per NV Energy’s Rule 15 Tariff, an application fee is required for all incentivized power generation system applications and for non-incentive power generation system applications in the Nevada Power territory. The fee must be received by NV Energy before the application will be reviewed for approval.

Since the fee may be paid by the customer or the solar company, customers should communicate with their solar company before submitting payment. If NV Energy receives duplicate fee payments for the same application, the first payment is posted and subsequent payments are returned.

The fee may be submitted by check. The application number, generated when the application is submitted, must be written on checks. Application fee checks are not accepted prior to submission of an application.
Cash is not accepted.

<table>
<thead>
<tr>
<th>Generating Facility Capacity</th>
<th>Initial Review Fee per Application</th>
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<tbody>
<tr>
<td>Less than 10kW</td>
<td>$130</td>
</tr>
<tr>
<td>10kW-24.9kW</td>
<td>$200</td>
</tr>
<tr>
<td>25kW-1,000kW</td>
<td>$500</td>
</tr>
</tbody>
</table>

Application fees may be mailed to:

NV Energy Renewable Energy Programs
6100 Neil Road
Renewables S2A35
Reno, NV, 89511

If the fee is not received within 30 days of submission of the application, the application will be cancelled.

The application fees are as follows:

**SYSTEM SIZING – SOLAR**

When it comes time to properly sizing a solar PV system, the installation contractor will utilize NV Energy’s online application software or will determine the size based upon historical energy usage at the Premise.

**Premise:** All of the real property and apparatus of a residential or non-residential customer employed in a single integrated activity operating under one name in one or more buildings and/or locations on an integral parcel of land where: (a) such buildings and/or locations are situated on a single unit of property; or (b) such buildings and/or locations are situated on two or more units of property which are immediately adjoining or adjacent, and are not divided by intervening public highways, streets, alleys, railways or waterways.

**Consumption History**

The highest energy usage that occurred in 12 consecutive months out of the last 24 months will be used to determine the maximum size of the new solar PV system. If the host customer has not consumed energy at a proposed residential installation location for a 12 consecutive-month period during the two prior years, then the solar system may be sized by using less than 12 months. The system size can be less than the amount estimated to be used at the premise, but it cannot be sized to create more energy than is estimated to be consumed in a year based on the customer’s annual requirements for electricity.

The size of a net metered solar PV system is measured in kilowatts (kW) in alternating current (AC). The CEC AC wattage of a system is the California Energy Commission (CEC) rating of each panel multiplied by the number of
panels, then multiplied by the CEC efficiency rating of the inverter(s). The adjustment factor is inherently included in the NV Energy application software.

**Energy Audit Report**

If the customer does not have 12 consecutive months of billing history during the two prior years, or a change in loads or usage behavior is not sufficiently captured in the billing history data, then an energy audit report may be used to quantify the annual amount of energy the customer’s household uses. The energy auditor must have an active license issued by the Nevada Real Estate Division, and all aspects of the energy audit report must follow the standards set forth by the legislative statute NRS 645D.300.

A Net Metering System must be sized to meet no greater than one hundred percent of a customer’s annual electricity needs per its definition in NRS 704.771. Therefore, a limited energy assessment as described in the NRS 645D regulations will not be accepted in a Net Metering application because it does not account for the entirety of the customer’s loads.

The estimated production (kWh) of the proposed system may not exceed the amount of energy usage (kWh) determined by the energy audit report. In the application review process, the energy auditor’s license number will be verified by the Nevada Real Estate Division license lookup. The energy audit report will be reviewed to ensure it maintains the standards set by NRD 645D.300. The computer software that is used in making the energy audit report must be approved by the United States Department of Energy and will be verified during application review. The list of software curated by the Department of Energy can be found here: [https://www.energy.gov/eere/buildings/list-approved-software-calculating-energy-efficient-home-credit](https://www.energy.gov/eere/buildings/list-approved-software-calculating-energy-efficient-home-credit).

**Engineering Calculation**

If energy has not been consumed at a proposed location for a 12 consecutive-month period during the two prior years, or if the customer has a change of circumstances that would make the historical usage calculation incorrect, then a Nevada licensed electrical engineer’s estimated energy usage may be used for systems as an alternative method for estimating usage. Some of the factors that may contribute to a change of energy consumption include:

1. customers that add on additional square footage to a dwelling that already has a solar installation;
2. customers that add electric vehicles;
3. premises that do not have 12 consecutive months of billing history prior to submission of the application; and
4. other significant load changes.

The estimated production of the proposed system (kWh) may not exceed the engineer’s calculation. The engineer’s name and license number is verified during the application review process and shall be in the roster maintained by Nevada board of Engineers and Land Surveyors. Electrical load calculations are only valid if wet-stamped and signed by a Nevada Licensed Electrical Professional Engineer.

**Livable Square Footage**

The system may be sized based on the interior living area of the residence. In northern Nevada the solar system
may be up to 2 watts (CEC-AC) per square foot of interior living space; in southern Nevada the solar system may be up to 2.8 watts (CEC-AC) per square foot of interior living space. If 12 months of energy usage history exists, then the watts per square foot of interior living space method may not be used.

**System Additions**

Host customers may interconnect additional capacity at a premise with existing renewable generation capacity. System addition applications are subject to special terms that require review and approval by NV Energy. The list below addresses some of the considerations for system additions. *Ask before you add!*

- All renewable generation capacity on a premise that has received or will receive interconnection cannot exceed 1 megawatt (CEC-AC). Systems over 1 megawatt (but not to exceed 20MW) must adhere to the Rule 15 interconnection process. This limitation applies separately for renewable generation systems of other types (i.e. wind and hydrogeneration).
- Non-incentive expansion systems on an originally-incentivized system will be interconnected so that they do not pass through the existing Portfolio Energy Credits (PEC) meter. The system owner is entitled to keep the PEC credits on a non-incentivized solar system. PECs for any previously installed incentivized capacity that is not separately metered are assigned by the system owner to NV Energy.
- In the case of installation of additional capacity on a system receiving production-based incentives (PBIs) the approved expansion capacity does not require a REC meter.

**EQUIPMENT AND UTILITY INSTALLATION STANDARDS**

All solar PV and ESD installations must meet NV Energy’s standards and metering requirements as outlined in NV Energy’s Rules and Standards, and National Electric Code (“NEC”) requirements, all National Fire Protection Agency (“NFPA”) standards, and other federal or local ordinances. This handbook highlights some of the more commonly used Standards for general metering installations and net metering specific installations. Other Standards will need to be referenced to address staking & trenching, conduits, boxes and vaults, or other installation requirements as needed. A comprehensive list of the NV Energy Standards can be found at:


**Net Metering Standards**

The following documents will provide information on the requirements for how net metering systems must be installed and the type of equipment that can be used. These two NV Energy standards must be met and will be inspected for compliance during the meter inspection phase of the project. These two standards are common standards that apply to net metering systems but these are not an exhaustive list that may apply. The full list of standards can be found on the general NV Energy Standards websites listed above.

**RE-3: Net Metering Requirements**

One of the standards that is relevant to solar and energy storage installations is the RE-3 Standard. This standard includes the approved installation configurations document in One-line Diagrams and can be found at the bottom of the NV Energy standards website. The document will discuss the Utility’s design requirements for
Net Metering systems to operate in parallel with the Utility’s electric system to ensure the safety of people and property and the integrity of the electrical system. ESDs that are paired with a Net Metering System are included in this standard.

**RE-1: Generator Device**

The **RE-1 Standard** will discuss the Utility’s planning and design requirements for generators connected to and operating in parallel with electrical systems to ensure the safety of the people and property as well as the integrity of the electrical system. This standard is often used for Rule 15 interconnections.

**Relevant General Metering Standards**

The following documents will provide information on metering equipment requirements and standards associated with a Net Metering system. These two NV Energy standards must be met and will be inspected for compliance during the meter inspection phase of the project.

**RPM-G: Material Requirements**

The material requirements will discuss the minimum manufacturing requirements for utility metering and service equipment that is rated 0-600V. These requirements are based on practices that are necessary to supply uniform satisfactory and safe service. This will describe the type of equipment that NV Energy meters can connect to complete certain ESD installations.

**RPI-G: Installation Requirements**

The installation requirements are based on NV Energy practices that are deemed necessary to supply uniform satisfactory and safety service. This will provide information related to the specifics on where to install meter sockets, how they are wire, and other installation related details.

**Generating Facility Interconnections Requirements**

The following link to the document below discusses **Rule 15**, which describes the interconnection, operating and Metering requirements for Generating Facilities intended to be connected to the Utility’s electric distribution system over which the Public Utility Commission has jurisdiction. This document applies only to Generating Facilities with a net Power Capacity of **20,000 kilowatts** or less unless otherwise required in federal or state law.


**Fire Protection Standards**

The National Fire Protection Association has established the criteria for minimizing the hazards associated with energy storage systems with the **NFPA 855 Standard**. This standard for the installation of stationary energy systems can be found in the link below.
SITING AND EQUIPMENT

All completed renewable and energy storage systems must adhere to the following siting requirements:

- The solar panels (modules) and inverters in the system must be listed on the California Energy Commission (CEC) list of approved solar equipment.
- All photovoltaic and energy storage equipment requires a UL listing.

APPLICATION CHANGES

Installation Location

Applicants and host customers may change the installation address of an application to another address with the same host customer. Changes must be requested in writing to NV Energy and are subject to system sizing rules.

Applicant or Installer

Host customers may change or rescind affiliation with any of the parties of the original application with written notice to NV Energy. The installer may be changed by either the applicant, system owner or the host customer with written notice to NV Energy.

Host Customer

The host customer name for an application may be changed before project completion and interconnection by the original host customer with written request to NV Energy.

INSPECTIONS

Net Metering & Energy Storage Interconnection verification

Net Metering Interconnection Safety Verification

The Interconnection Safety Verification is an inspection to confirm the system’s compliance with net metering standards and is performed by the NV Energy Meter Operations department.

If the system passes the safety verification, the net meter and any required energy storage metering is installed and the system may be operated.

If the system does not satisfy the requirements of the net metering interconnection safety verification, NV Energy will contact the installer and/or host customer to inform them of the issue. Re-inspection may be necessary after corrections are made.

NOTE: Systems may not be energized prior to successful final net metering verification by NV Energy. The customer will not receive kWh credit for energy put back into the grid until the NV Energy net meter is set.
All projects must comply with applicable NV Energy construction standards which can be found at www.nvenergy.com.

The use of a battery backup system on a grid-connected system requires advance review and approval by NV Energy to ensure safe interconnection and that all energy produced by the system is accurately recorded by utility meters.

Modifications to customer-owned electrical service equipment may compromise the original equipment listing. All modifications shall be approved in writing by the authority having jurisdiction, the manufacturer, or a nationally recognized testing laboratory.

**Systems larger than 25 kW**

In order to pass inspection, the customer is responsible for the cost of any upgrades required to make the renewable energy system compatible with the NV Energy distribution system. System upgrades must be completed in accordance with NV Energy procedures and standards.

All Generating Facility Interconnections are subject to the provisions outlined in Rule 15: Nevada Power Company provisions can be found at:


Sierra Pacific Power Company provisions can be found at:


**FOR MORE INFORMATION**

*Net metering and Energy Storage Device interconnection programs:*

**Website:**  https://www.nvenergy.com/cleanenergy.html
**Email:**  cleanenergy@NVEnergy.com
**Toll-Free:**  866-786-3823