# SAN LUIS VALLEY RURAL ELECTRIC COOPERATIVE

## Distributed Energy Resource Application

### Interconnecting a DER - No larger than 25kW

**Member Information:**

Member Name: _____

Mailing Address: _____

City, State, Zip: _____

Telephone: _____ Email: _____

Account Number: _____ Meter Number: _____

Service Map Location: _____(Found on Member Bill)

**Generation Facility Information:** *System Expansion?* ☐ Yes ☐ No

County: _____ Assessor Parcel #: _____

Property Owner: _____

Estimated Installation Start Date: _____

Installation Address: _____

City, State, Zip: _____ (Only if different from mailing address)

**Project Designer/Engineer:**

Company: _____

Contact Name: _____ NABCEP #: _____ (If Applicable)

Mailing Address: _____

City, State, Zip: _____

Telephone: _____

Email Address: _____

**Electrical Contractor**:

Company: _____

Contact Name: _____

Mailing Address: _____

City, State, Zip: _____

Telephone: _____ Email: _____

**Inverter Information:**

| *Manufacturer* | *Model #* | *Qty* | *Voltage (V)* | *Current (A)* | *DC Output (kW)* | *AC Output (kW)* |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

Inverter Type: ☐ Single Phase ☐ Three Phase

Are all inverters pre-certified per IEEE 1547 and UL 1741?

"Grid Support Utility-Interactive Inverter" ☐ Yes ☐ No

**Production Meter Socket:**

Describe Proposed Location: _____

**Generator Information:**

Energy Source: ☐ Solar ☐ ESS ☐ Wind ☐ Hydro Other: (_____)

For photovoltaic systems, use the table below to describe all the components in your system, and please provide the manufacturer specification sheets. For all other DER systems, provide a copy of the manufacturer specification sheet.

| *Manufacturer* | *Model #* | *Qty* | *Output (Per unit in W)* | *Voltage (VOC)* | *Current (ISC)* |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |

Location Description: _____

**DER System Sizing Information:**

Total Nameplate Capacity: _____ kW DC _____ kW AC

Estimated Annual Production: _____

Estimated System Losses: _____

ESS (battery) Energy Rating: _____ kW max continuous*(1-SOCmin)/kWh*(1-SOCmin)

Describe any other existing or planned power sources: _____

**Installer checklist:**

I have attached the following documents for review:

☐Site plan

☐One-line diagram (including any existing generation facility)

☐Inverter/PV panels specification sheet

☐Proof of Insurance

☐$100 Application Fee (fees can be paid over the phone at 719.852.3538 or by check, check # _____)

☐$100 Meter Fee (fees can be paid over the phone at 719.852.3538 or by check, check # _____)

☐Photos of Service Meter and Exterior Service Disconnect

Signed: _____ (Installer) Date: _____

**Interconnection System Owner Acknowledgement**

- The system hardware follows IEEE 1547 and Underwriters Laboratories (UL) 1741 Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems: UL 1703, Standard for Safety, Flat-Plate Photovoltaic Modules and Panels; and IEEE 1262-1995, IEEE Recommended Practice for Qualification of Photovoltaic (PV) Modules. The system has been installed in compliance with IEEE Standard 929-2000, Recommended Practice for Utility Interface of Photovoltaic Systems and with applicable requirements of local electrical codes and the National Electric Code® (NEC). The system has been installed in compliance with IEEE Standard 519; IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems.
- Applicant must provide evidence that General Liability Property Insurance is in place in the amounts specified in REC's DER Guidelines and Requirements. For residential systems the minimum requirement is $300,000. For commercial systems the minimum requirement is $1,000,000.
- A production meter capable of being read remotely using REC's standard metering interface will be installed prior to operation. The production meter housing will be provided by REC and can be picked up at our main office.
- System shall not be energized, except for testing purposes, until system has passed electrical inspection from the state, REC's final inspection, and any necessary metering equipment is installed or programmed as necessary.
- REC does not guarantee the projected value of any electricity produced by the system or warrant any of the applicant's system or installation.
- REC will always have full access to the production meter and AC disconnect.
- REC may use your renewable energy system/battery system for a future Distributed Energy Resources Management System (DERMS).

I hereby certify that, to the best of my knowledge, the information provided in this application is true and that I am authorized to make changes to the listed REC account. I have read and am aware of the DER Guidelines and Requirements set forth by the REC, and I understand that any breach of these guidelines and requirements may lead to immediate disconnect of the DER facility. In addition to, if this generation system causes power quality to fall outside of REC parameters, REC has the right to disconnect the DER system and/or my electrical service.

Member Signature: _____

Name (Print): _____ Date: _____

Property Owner Signature: _____ (sign twice if the same as member)

Name (Print): _____ Date: _____

**Cooperative Contact:**

Isaiah S. Abeyta, E.I.T.
*Engineer*
3625 US Hwy 160 W
Monte Vista, CO 81144
719.852.3538