Application for Interconnection and Operation of:

 **Medium Size** Consumer-Owned Distributed Generation

*To be provided to consumer-member requesting interconnection and*

*to be returned to the Electric Cooperative.*

This application must be completed and returned to the Cooperative so the request for interconnection may be reviewed and processed. This application is used by our Cooperative to identify the proposed location and what may be required to enable the interconnection. Every effort should be made to supply as much information as possible. This is an application only and permission to interconnect is not granted until an Interconnection Agreement or Contract has been executed by the Operator/Applicant and the Cooperative. Please refer to *Consumer-Member Guidelines for Electric Power Distributed Generation Installation and Interconnection* for additional information.

**PART 1 – General Information**

**OPERATOR / APPLICANT**

Company / Consumer Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Electric Cooperative Account Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ City: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_County: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_State: \_\_\_\_\_\_\_ Zip Code: \_\_\_\_\_\_\_\_\_\_\_ Contact Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fax Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PROPOSED INTERCONNECTION LOCATION (if known)**

Street Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

City: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_County: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_State: \_\_\_\_\_\_\_ Zip Code: \_\_\_\_\_\_\_\_\_\_\_

Latitude/Longitude: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Account and/or Meter Number (if located at an existing account): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Any additional project location information that will help to identify the proposed location (cross streets, towns, pole numbers, etc.): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DESIGNER / ENGINEER (if applicable)**

Company: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

City: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_County: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_State: \_\_\_\_\_\_\_ Zip Code: \_\_\_\_\_\_\_\_\_\_ Contact Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Fax Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Note: A licensed Professional Engineer’s name may be required.***

## CONTRACTOR / INSTALLER (if applicable)

Company: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mailing Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ City: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_County: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_State: \_\_\_\_\_\_\_ Zip Code: \_\_\_\_\_\_\_\_\_\_ Contact Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Fax Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DISTRIBUTED GENERATION INFORMATION**

**Type: Choose All that Apply**

Photovoltaic (Solar) \_\_\_\_\_Wind \_\_\_\_\_ Battery \_\_\_\_\_ Electric Vehicle (EV) \_\_\_\_\_ Flywheel \_\_\_\_\_

Microturbine \_\_\_\_\_ Diesel Engine \_\_\_\_\_ Gas Engine \_\_\_\_ Combustion Turbine \_\_\_\_\_

If Solar, will the panels be mounted on the rooftop \_\_\_\_\_, ground-mount (fixed tilt) \_\_\_\_\_, single-axis tracking \_\_\_\_\_, dual-axis tracking \_\_\_\_\_?

**Rating:**

Quantity \_\_\_\_\_ kWAC (Each) \_\_\_\_\_ Voltage (AC) \_\_\_\_\_ Efficiency (%) \_\_\_\_\_ Total kWDC \_\_\_\_\_ Total kWAC \_\_\_\_\_ Generation Factor (%) \_\_\_\_\_

**Mode of Operation:**

Isolated \_\_\_\_\_ Power Export \_\_\_\_\_ Paralleling \_\_\_\_\_ If Parallel, will it operate continuously? \_\_\_\_\_

**Means of Disconnect:**

Manual\_\_\_\_\_\_\_\_\_\_\_\_\_ Automatic\_\_\_\_\_\_\_\_\_\_ Both\_\_\_\_\_\_\_\_\_\_\_\_

***AC disconnect is required per the interconnection agreement.***

**Configuration:**

Single Phase \_\_\_\_\_ Three Phase \_\_\_\_\_

**ESTIMATED LOAD, GENERATOR RATING AND MODE OF OPERATION INFORMATION**

The following information is necessary to help properly design the Cooperative customer interconnection. This information is not intended as a commitment or contract for billing purposes.

Total Site Load \_\_\_\_\_\_\_\_\_ (Peak kW Demand in the previous 12 months)

Residential \_\_\_\_\_\_\_\_\_\_\_\_ Commercial \_\_\_\_\_\_\_\_\_\_\_ Industrial \_\_\_\_\_\_\_\_\_\_

Annual Estimated Generation \_\_\_\_\_\_\_\_\_ (kWh)

**VAR Support Compensation:**

kVAR/kW: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or PF range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of steps: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kVAR per step: \_\_\_\_\_\_\_\_\_\_

Control System:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Inverter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PART 2 – More Generators Information**

Complete all applicable information:

**SYNCHRONOUS GENERATOR DATA**

Unit Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total number of units with listed specifications on site: \_\_\_\_\_\_\_\_\_\_\_\_

Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date of manufacture: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Serial Number (each):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phases: Single \_\_\_\_\_ Three \_\_\_\_\_ R.P.M.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Frequency (Hz): \_\_\_\_\_\_\_\_\_\_\_\_\_

Rated Output (for one unit): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Kilowatt \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Kilovolt-Ampere

Rated Power Factor (%): \_\_\_\_\_\_\_\_\_ Rated Voltage (Volts): \_\_\_\_\_\_\_\_ Rated Amperes: \_\_\_\_\_\_\_\_\_\_

Field Volts: \_\_\_\_\_\_\_\_\_\_\_\_\_ Field Amps: \_\_\_\_\_\_\_\_\_\_\_\_\_ Motoring power (kW): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Synchronous Reactance (Xd): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ % on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kVA base

Transient Reactance (X’d): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_% on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kVA base

Sub-transient Reactance (X’d); \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_% on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kVA base

Negative Sequence Reactance (Xs): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_% on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_kVA base

Zero Sequence Reactance (Xo): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_% on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_kVA base

Neutral Grounding Resistor (if applicable): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I22t or K (heating time constant): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Additional information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**INDUCTION GENERATOR DATA**

Rotor Resistance (Rr): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ohms Stator Resistance (Rs): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ohms

Rotor Reactance (Xr): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ohms Stator Reactance (Xs): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ohms

Magnetizing Reactance (Xm): \_\_\_\_\_\_\_\_\_\_ohms Short Circuit Reactance (Xd”): \_\_\_\_\_\_\_\_\_\_ ohms

Design letter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Frame Size: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exciting Current: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Temp Rise (deg Co): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Reactive Power Required:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Vars (no load), \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Vars (full load) Additional information:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PRIME MOVER (Complete all applicable information.)**

Unit Number: \_\_\_\_\_\_\_\_\_\_\_\_\_ Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Serial Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date of manufacture: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H.P. Rated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ H.P. Max.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inertia Constant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ lb.-ft2

Energy Source (hydro, steam, wind, etc.)

**BATTERY ENERGY STORAGE**

Technology (e.g., Li-ion, lead-acid, etc): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Manufacturer/Supplier: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Model: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

AC Power (kW): \_\_\_\_\_\_\_\_\_\_\_\_ Capacity (kWh): \_\_\_\_\_\_\_\_\_\_\_ Duration (hours): \_\_\_\_\_\_\_\_\_\_\_\_\_\_

AC Roundtrip efficiency (%): \_\_\_\_\_\_ Rated Voltage (Volts): \_\_\_\_\_\_\_\_ Rated Amperes: \_\_\_\_\_\_\_\_

Complies with standards (check all that apply):

UL1974: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ UL 9540: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NFPA 855: \_\_\_\_\_\_\_\_\_\_\_\_

IEEE 1547-2018: \_\_\_\_\_\_\_\_ IEEE 1547.1-2020: \_\_\_\_\_\_\_\_\_ Others: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Note: To find the standards with which the battery storage complies, please look at the specification sheet or the battery storage manual. If the battery storage is not in compliance with these standards, it does not necessarily mean that the application for connection will be denied. The co-op distributed generation interconnection expert will be able to provide guidance on how to proceed.***

**INVERTER DATA (if applicable)**

Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Model: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rated Power Factor (%): \_\_\_\_\_\_\_\_ Rated Voltage (Volts): \_\_\_\_\_\_\_\_\_ Rated Amperes: \_\_\_\_\_\_\_\_\_\_

Short Circuit Current Information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inverter Type (step, pulse-width modulation, etc): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type commutation: Forced: \_\_\_\_\_\_\_\_\_\_ Line: \_\_\_\_\_\_\_\_\_\_\_\_\_

Harmonic Distortion:

Maximum Single Harmonic (%) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maximum Total Harmonic (%) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complies with standards:

UL1741: \_\_\_\_\_\_\_\_\_ UL 1741 SA: \_\_\_\_\_\_\_\_\_\_ CA Rule 21: \_\_\_\_\_\_\_\_\_\_ IEEE 154-2018: \_\_\_\_\_\_\_\_\_\_ IEEE 1547.1-2020: \_\_\_\_\_\_\_\_\_\_ Others: \_\_\_\_\_\_\_\_\_\_\_

***Note: Inverters may be required to comply with UL 1741 and the most recent IEEE 1547*** ***(IEEE 1547-2018) standards. To find the standards with which the inverter complies, please look at the specification sheet or the inverter manual. If the inverter is not in compliance with these standards, it does not necessarily mean that the application for connection will be denied. The co-op distributed generation interconnection expert will be able to provide guidance on how to proceed.***

**STEP-UP TRANSFORMER (if applicable)**

Rated voltages: \_\_\_\_\_/\_\_\_\_\_\_ Impedance: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rated kVA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thevenin Impedance maybe required for various transmission protection purposes.

System Impedance Positive Sequence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Zero Sequence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**POWER CIRCUIT BREAKER (if applicable)**

Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Model: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rated Voltage (kilovolts): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rated ampacity (Amperes)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Interrupting rating (Amperes): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BIL Rating: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Interrupting medium / insulating medium (ex. Vacuum, gas, oil) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ / \_\_\_\_\_\_\_\_\_\_\_

Control Voltage (Closing): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Volts) AC DC

Control Voltage (Tripping): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Volts) AC DC Battery Charged Capacitor

Close energy: Spring Motor Hydraulic Pneumatic Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Trip energy: Spring Motor Hydraulic Pneumatic Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bushing Current Transformers: \_\_\_\_\_\_\_\_\_\_\_\_ (Max. ratio) Relay Accuracy Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multi ratio? No Yes: (Available taps) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DESCRIPTION OF PROPOSED INSTALLATION AND OPERATION**

Give a general description of the proposed installation, including a detailed description of its planned location, the date you plan to operate the generator, the frequency with which you plan to operate it, and whether you plan to operate it during on or off-peak hours.

**PART 3 – Signature**

The Applicant understands that this application is non-binding and does not confer any rights; and that the Applicant must still successfully execute an Interconnection Agreement or Contract with the Cooperative in order to receive permission to interconnect to the Cooperative’s system. This application serves only to initiate the process of request for interconnection and provides essential information for discussion and evaluation of the Applicant’s intended plans for interconnection of a distributed generation source.

Operator / Applicant (Printed)

Operator / Applicant (Signature) Date

Owner (Printed)

Owner (Signature) Date

**Information to Be Supplied by The Cooperative in The Application Report**

Based upon the information provided in the application report request form, the Cooperative will identify to the best of its ability the location of the proposed Point of Interconnection and the Cooperative facilities likely to serve this location. This selection by the Cooperative does not necessarily indicate, after successful application for interconnection and subsequent application of technical screens and/or study, that this location would ultimately be the one at which the proposed project interconnects.

The Cooperative will, in good faith, provide data in the application report that represents the best available information at the time of reporting; however, no guarantee to the continued accuracy of this information can be provided as data may become outdated between the time of the application report and the actual interconnection application being received. The application report provided by the Cooperative will include the following information that is determined to be **readily available** without conducting additional study or analysis.

**Failure to provide completed application or information requested in this application formwill result in a rejected application until the requested data is provided. An application will be evaluated based on the Customer-owned generation and associated equipment listed herein. Applicant must immediately contact the Cooperative with any changes, upgrades, or omissions to this application. Failure to notify the Cooperative of changes may result in delayed approval or denial of this application.**

**If this application is approved, any future maintenance, repairs or upgrades resulting in a generation capacity increase will require approval of Cooperative prior to commencement of modifications by the Customer. The original installation and future changes are subject to the Cooperative’s applicable Service Rules & Regulations and tariffs.**

1. Total capacity (in kW) of substation/area bus, bank or circuit based on normal operating ratings likely to serve the proposed Point of Interconnection.
2. Existing aggregate generation capacity (in kW) interconnected to a substation/area bus, bank, or circuit (i.e., amount of generation online) likely to serve the proposed Point of Interconnection.
3. Aggregate queued generation capacity (in kW) for a substation/area bus, bank or circuit (i.e., amount of generation in the queue) likely to serve the proposed Point of Interconnection.
4. Available capacity (in kW) of substation/area bus or bank and circuit likely to serve the proposed Point of Interconnection (i.e., total capacity less the sum of existing aggregate generation capacity and aggregate queued generation capacity).
5. Substation nominal distribution voltage and/or transmission nominal voltage if applicable.
6. Nominal distribution circuit voltage at the proposed Point of Interconnection.
7. Approximate circuit distance between the proposed Point of Interconnection and the substation.
8. Relevant line section(s) actual or estimated peak load and minimum load data, including daytime minimum load and absolute minimum load, when available.
9. Number and rating of protective devices and number and type (standard, bi-directional) of voltage regulating devices between the proposed Point of Interconnection and the substation/area. Identify whether the substation has a load tap changer.
10. Number of phases available at the proposed Point of Interconnection. If a single phase, distance from the three-phase circuit.
11. Whether the Point of Interconnection is located on a spot network, grid network, or radial supply.
12. Based on the proposed Point of Interconnection, existing or known constraints such as, but not limited to, electrical dependencies at that location, short circuit interrupting capacity issues, voltage rise, reverse power flow, power quality or stability issues on the circuit, capacity constraints, or secondary networks.