EL PASO ELECTRIC COMPANY

FOURTH REVISED SAMPLE FORM NO. 38
CANCELLING THIRD SAMPLE FORM NO. 38

STANDARD INTERCONNECTION APPLICATION
FOR GENERATING FACILITIES WITH RATED CAPACITIES
GREATER THAN 100 KW AND UP TO 10 MW AC

(SEE ATTACHMENT)

EFFECTIVE
JAN 1 6 2019
REPLACED BY NMPRC
BY Rule 210

Advice Notice No. 262
Signature/Title
James Schichtl
Vice President - Regulatory Affairs
Standard Interconnection Application
For Generating Facilities With Rated Capacities Greater Than 100 kW and Up To 10 MW AC

A Customer-Generator applicant ("Applicant") hereby makes application to El Paso Electric Company ("EPE") to install, and operate a generating facility with rated capacity greater than 100 kW and up to 10 MW interconnected with the EPE utility system.

Written Applications should be submitted by mail, e-mail, or fax to El Paso Electric Company, as follows:

El Paso Electric Company
Attention: Renewables Development
El Paso Electric Company (Loc 131)
P.O. Box 982
El Paso, Texas 79960
Fax Number: (915) 521-4416
E-Mail Address: small.renewables@epenergy.com
El Paso Electric Contact Department: Renewables Development

An application is a Complete Application when it provides all applicable information required below. (Additional information to evaluate a request for interconnection may be required and will be so requested from the Interconnection Applicant by EPE Company after the application is deemed complete).

Application Fee Must Accompany this Application

☐ System >100 kW up to and including 10,000 kW: $100.00 plus $1.00 for each kW above 100 kW

SECTION 1. APPLICANT INFORMATION

Legal Name of Interconnecting Applicant (or, if an Individual, Individuals Name)

Name:
Mailing Address:
City: State: Zip Code:

Facility Location (if different from above):

Telephone (Day): (Evening):
Fax Number: E-Mail Address:
EPE Account Number: (Existing Account Number, if generator is to be interconnected on the Customer side of EPE’s revenue meter)

Type of Interconnect Service Applied for (choose one):

☐ Network Resource  ☐ Energy Only  ☐ Load Response (no export)  ☐ Net Metering

SECTION 2. GENERATOR QUALIFICATIONS

Data apply only to the Generating Facility, not the Interconnection Facilities.

Energy Source: ☐ Solar  ☐ Wind  ☐ Hydro  ☐ Hydro Type (e.g., Run-of-River)
☐ Diesel  ☐ Natural Gas  ☐ Fuel Oil  ☐ Other (state type)

Prime Mover: ☐ Fuel Cell  ☐ Reciprocating Engine  ☐ Gas Turbine  ☐ Steam Turbine
☐ Microturbine  ☐ PV  ☐ Other (describe)

Type of Generator: ☐ Synchronous  ☐ Induction  ☐ Inverter
Generator Nameplate Rating: _______________ kW (Typical); Generator Nameplate KVA: ____________

Interconnection Customer or Customer-Side Load: _______________ kW (if none, so state)

Typical Reactive Load (if known):

Maximum Physical Export Capability Requested: _______________ kW

List components of the Generating Facility Equipment Package that are currently certified:

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<tr>
<th>Equipment Type</th>
<th>Certifying Entity</th>
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Is the prime mover compatible with the certified protective relay package? ___ Yes ___ No

Generator (or solar collector)
Manufacturer, Model Name & Number: ________________________________
Version Number:
Nameplate Output Power Rating in kW: _______________ (Summer) _______________ (Winter)
Nameplate Output Power Rating in kVA: _______________ (Summer) _______________ (Winter)

Individual Generator Power Factor
Rated Power Factor: Leading: ___________ Lagging: ___________

Total number of Generators to be interconnected pursuant to this Interconnection Application: _______________
Elevation: _______________ Single Phase: _______________ Three Phase: _______________

Inverter Manufacturer, Model Name & Number (if used):
List of adjustable set points for the protective equipment or software:
Note: A completed Power Systems Load Flow data sheet must be supplied with the Interconnection Application.

Generating Facility Characteristic Data (for inverter-based machines)
Max design fault contribution current: _______________ Instantaneous or RMS? _______________
Harmonics Characteristics:
Start-up Requirements:

Generating Facility Characteristic Data (for rotating machines)
RPM Frequency: _______________ Neutral Grounding Resistor (if applicable):

Synchronous Generators
Direct Axis Synchronous Reactance, Xd: _______________ P.U.
Direct Axis Transient Reactance, X'd: _______________ P.U.
Direct Axis Subtransient Reactance, X"d: _______________ P.U.
Negative Sequence Reactance, X2: _______________ P.U.
Zero Sequence Reactance, X0: _______________ P.U.
KVA Base: _______________ Field Volts: _______________ Field Amperes: _______________

Induction Generators*
Motoring Power (kW): _______________ 12t or K (Heating Time Constant): _______________
Rotor Resistance, Rr: _______________ Stator Resistance, Rs: _______________
Stator Reactance, Xs: _______________ Rotor Reactance, Xr: _______________
Magnetizing Reactance, Xm: _______________ Short Circuit Reactance, Xd*: _______________
Exciting Current: _______________ Temperature Rise: _______________
Frame Size: _______________ Design Letter: _______________
Reactive Power Required (Vars-No Load) _______________ Reactive Power Required (Vars-Full Load) _______________
Total Rotating Inertia, H: _______________ Per Unit kVA Base _______________
*Note: Please contact El Paso Electric Company prior to submitting the interconnection Application to determine if the specified information above is required.

Excitation and governor system Data for Synchronous Generators Only

Provide appropriate IEEE model block diagram of excitation system, governor system and power system stabilizer (PSS) in accordance with the regional reliability council criteria. A PSS may not be determined to be required by applicable studies. A copy of the manufacturer's block diagram may not be substituted.

SECTION 3. INTERCONNECTION FACILITIES INFORMATION

Will a transformer be used between the generator and the Point of Common Coupling? _____ Yes _____ No

Transformer Data (If Applicable for Interconnection Customer-Owned Transformer)

Is the transformer: __________ single phase __________ three phase?

Transformer Impedance: __________ percent on __________ kVA Base

If Three Phase:

Transformer Primary: __________ __________ __________

Transformer Secondary: __________ __________ __________

Transformer Tertiary: __________ Volts __________ Delta __________ Wye __________ Wye Grounded

Transformer Fuse Data (If Applicable for Interconnection Customer-Owned Fuse)

(Attach copy of fuse manufacturer's Minimum Melt and Total Clearing Time-Current Curves)

Manufacturer: __________ Type __________ Size: __________ Speed: __________

Interconnecting Circuit Breaker (If Applicable)

Manufacturer: __________ Type: __________

Load Rating (Amps): __________ Interrupt Rating (Amps): __________ Trip Speed (Cycles): __________

Interconnection Protective Relays (If Applicable)

If Microprocessor-Controlled:

List of Functions and Adjustable Setpoints for the protective equipment or software:

<table>
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<th>Setpoint Function</th>
<th>Minimum</th>
<th>Maximum</th>
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If Discrete Components:

(Enclose Copy of any Proposed Time-Overcurrent Coordination Curves)

Manufacturer: __________ Type: __________ Style/Catalog No.: __________ Proposed Setting: __________

Manufacturer: __________ Type: __________ Style/Catalog No.: __________ Proposed Setting: __________

Manufacturer: __________ Type: __________ Style/Catalog No.: __________ Proposed Setting: __________

Current Transformer Data (If Applicable)

(Enclose Copy of Manufacturer's Excitation and Ratio Correction Curves)

Manufacturer: __________ Type: __________ Accuracy Class: __________ Proposed Ratio Connection: __________

Manufacturer: __________ Type: __________ Accuracy Class: __________ Proposed Ratio Connection: __________

Manufacturer: __________ Type: __________ Accuracy Class: __________ Proposed Ratio Connection: __________

Potential Transformer Data (If Applicable)

(Enclose Copy of Manufacturer's Excitation and Ratio Correction Curves)

Manufacturer: __________ Type: __________ Accuracy Class: __________ Proposed Ratio Connection: __________

Manufacturer: __________ Type: __________ Accuracy Class: __________ Proposed Ratio Connection: __________

Manufacturer: __________ Type: __________ Accuracy Class: __________ Proposed Ratio Connection: __________
SECTION 4. GENERAL INFORMATION

Enclose copy of site electrical one-line diagram showing the configuration of all Generating Facility equipment, current and potential circuits, and protection and control schemes.

This one-line diagram must be signed and stamped by a licensed Professional Engineer if the Generating Facility is larger than 50 kW. Is One-Line Diagram enclosed?  ____ Yes  ____ No

Enclose copy of any site documentation that indicates the precise physical location of the proposed Generating Facility (e.g. USGS topographic map or other diagram or documentation).

Proposed location of protective interface equipment on property (include address if different from the Interconnection Customer's address):

Enclose copy of any site documentation that describes and details the operation of the protection and control schemes Is available documentation enclosed?  ____ Yes  ____ No

Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable). Are schematic drawings enclosed?  ____ Yes  ____ No

Customer-Applicant shall install wiring and REC meter socket for a REC meter to measure the output of the large renewable distributed generation facility. The REC meter socket shall be identified and labeled "REC Meter" and accessible and located near EPE's retail electric service billing metering.

Should the Customer-Applicant modify the approved qualifying facility to either expand or reduce the facility's maximum rated capacity, the Customer-Applicant must submit a Standard Expansion Application for review and approval by EPE. A Standard Expansion Application executed by the Customer and Company amends the Customer's Interconnection Agreement.

SECTION 5. APPLICANT SIGNATURE

I hereby certify that, to the best of my knowledge, the information provided in the Interconnection Application is true and correct. I also agree to install a Warning Label provided by EPE on or near my service meter location. Generating systems must be compliant with IEEE, NEC, ANSI, and UL standards, where applicable. By signing below, the Applicant also certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.

Signature of Applicant:

Title:

Date:

SECTION 6. INFORMATION REQUIRED PRIOR TO PHYSICAL INTERCONNECTION
(Not required as a part of the application, unless available at time of application)

Installing Electrician:

Firm:

License Number:

Mailing Address:

Qty:  State:  Zip Code:  

Telephone:  E-Mail Address:  

Installation Date:  

Interconnection Date:  

Signed (Inspector - If required):

Date:  

(In lieu of signature of inspector, a copy of the final inspection certificate may be attached.)
Standard Expansion Application
For Certified Inverter-Based Generating Facilities
With A Rated Capacity Greater Than 100 kW and Up To 10 MW AC

Processing Fee: $100.00 plus $1.00 for each additional kW above 100 kW

Interconnection Customer

Name: ____________________________ Contact Person: ____________________________

Mailing Address: ____________________________ City: __________ State: ______ Zip: ______

Telephone (Day): ____________________________ E-Mail Address: ____________________________

Account Number: ____________________________

Engineering Firm

Firm: ____________________________ Contact Person: ____________________________

Telephone (Day): ____________________________ E-Mail Address: ____________________________

Generating Facility Information

Service Address: ____________________________ City: __________ State: ______ Zip: ______

Prime Mover: ☐ Photovoltaic ☐ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other (describe) __________

Energy Source: ☐ Solar ☐ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil ☐ Other (describe) __________

Estimated Installation Date: __________ Estimated In-Service Date: __________

Additional Generator Nameplate Rating (kW AC): __________

Additional Inverter Nameplate Rating (kW) (kVA) (AC Volts): __________

Single Phase: _____ Three Phase: _____ Total New System Design Capacity (AC): ________ (kW) ________ (kVA)

Expected first year output: __________ (kWh)

Is equipment UL1741 Listed? Yes _____ No _____ If Yes, attach manufacturer’s cut-sheet showing UL certification.

List all certified components of the Generating Facility equipment:

1. ____________________________

2. ____________________________

Certifying Entity

Enclose a copy of the site’s electrical one-line diagram showing the configuration of all Generating Facility equipment including the proposed location of the meters and the AC disconnect.

Interconnection Customer Signature

I hereby certify that, to the best of my knowledge, the information provided in this Expansion Application is true and correct. I agree to abide by the Terms and Conditions for Interconnecting an Inverter-Based Generating Facility No Larger than 10 MW pursuant to the description contained in the New Mexico Interconnection Manual, Exhibit 3A, and further agree to notify EPE of the expansion completion when the additional equipment has been installed.

Name: ____________________________ Signature: ____________________________ Date: __________

Utility Signature

The undersigned Utility agrees to abide by the Terms and Conditions contained in the New Mexico Interconnection Manual, Exhibit 3A, and that optional paragraph 6.0 Indemnification _____ does apply _____ does not apply.

Name: ____________________________ Signature: ____________________________ Date: __________