Standard Interconnection Application For Generating Facilities With Rated Capacities Greater Than 10 kW and Up To 100 kW AC

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

Written Applications should be	e submitted by mail,	e-mail, or fax	to El Paso Electric Cor	npany, as follows:
El Paso Electric Comp Attention: Renewables El Paso Electric Comp P.O. Box 982 El Paso, Texas 79960 Fax Number: (915) 52 E-Mail Address: <u>smalli</u> El Paso Electric Contac	any Development any (Loc. 131) 1-4418 renewables@epelec	etric com		
An application is a Complete information to evaluate a re Interconnection Applicant by E				
Application Fee Must Accom			·	
☐ System >10 kW: \$100.00				
SECTION 1. APPLICANT INF	ORMATION			
Legal Name of Interconnecting	Applicant (or, if an	Individual, Ind	ividuals Name)	
Name:			,	
Mailing Address:				
City:			State:	Zip Code:
Facility Location (if different from	m above):			
Telephone (Day):			(Evening):	
Fax Number: E-Mail Address:				
EPE Account Number:	fing Account Number if a			
			iterconnected on the Custom	er side of EPE's revenue meter)
Type of Interconnect Service Ap	oplied for (choose or	ne):		
☐ Network Resource ☐	Energy Only [☐ Load Resp	onse (no export)	☐ Net Metering
SECTION 2. GENERATOR QU	JALIFICATIONS			
Data apply only to the Generatir	ng Facility, not the Ir	nterconnection	Facilities.	
Energy Source: ☐ Solar ☐ Diesel		☐ Hydro ☐ Fuel Oil	☐ Hydro Type (e.g., I☐ Other (state type)	Run-of-River)
Prime Mover:	☐ Reciprocati ne ☐ PV	ng Engine Other (describ	Gas Turbine	Steam Turbine
Type of Generator: Synchron	nous 🗌 Indi	uction	☐ Inverter	

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Generator Nameplate Rating:	kW (Typical); Generator Nameplate KVA:	
Interconnection Customer or Customer-Sid		(if none, so state)
Typical Reactive Load (if known):		,
Maximum Physical Export Capability Reque	ested:	kW
List components of the Generating Facility	Equipment Package that are currently certified:	
1 <u>Equipment Type</u>	Certifying Entity	
3.		
4.		
5.		
Is the prime mover compatible with the certi	ified 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:	
Elevation: Single Pt	ected pursuant to this Interconnection Application:	
Elevation: Single Ph	nase: Three Phase:	
inverter Manufacturer, Model Name & Numb	ner (if used):	
List of adjustable set points for the protect	ctive equipment or software:	
Note: A completed Power Systems Load F	low data sheet must be supplied with the Interconnection	Application
		application.
Generating Facility Characteristic Data (for in	<u>nverter-based machines</u>)	
Harmonics Characteristics:	Instantaneous or RMS?	
Start up Poquiromento		
Generating Facility Characteristic Data (for re	otating machines)	
RPM Frequency: Neutral Groun	ding 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 V	olts: Field Amperes:	
Induction Generators*		
Motoring Power (kW):	40t on K (the attention Time On the st	
Rotor Resistance, Rr:	12t or K (Heating Time Constant): 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) Total Rotating Inertia, H:	Reactive Power Required (Vars-Full Load)	
Total Notating mentia, 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)

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

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. INTERCONNE	CTION FACILI	TIES INFORM	ATION		
Will a transformer be used be	etween the gen	erator and the	Point of Com	mon Coupling?	Yes No
Transformer Data (If Applicat	ole for Interconr	nection Custom	ier-Owned Ti	ransformer)	
Is the transformer: Transformer Impedance: If Three Phase:	sing perd	le phase cent on	th kV	ree phase? A Base	
Transformer Primary:					
Transformer Secondary: Transformer Tertiary:	\/				
riansionner remary.	Volt	s	Delta	Wye	Wye Grounded
Transformer Fuse Data (If Ap	plicable for Inte	rconnection Cu	ustomer-Own	ed Fuse)	
(Attach copy of fuse manufac	turer's Minimun	Melt and Tota	d Clearing Ti	ma Current Comes	
Manufacturer:		Type	ii Cleaning III		Speed:
Interconnecting Circuit Breake					
		•			
Manufacturer:	Intorr	unt Dating (A.		Type:	
Load Rating (Amps):	men	upt Rating (Am	ips):	Trip Speed (Cy	rcles):
Interconnection Protective Re	lays (If Applicat	ole)			
If Microprocessor-Controlled:					
List of Functions and Adjustate	ole Setnoints for	the protective	aguinment e	e a affirmant.	
<u>Set</u> point Function	no corponito ioi	Mini	equipment o mum	i sollware:	<u>Maximum</u>
1.					waxiiiuiii
2.					
3.				-	
4.					
5. 6.					
0.					
If Discrete Components:					
(Enclose Copy of any Propose	d Time-Overcu	rrent Coordina	tion Curves)	*	
Mariuraciurer.	Type:	Style/Cata	loa No :	Proposed Se	tting:
Manuaciulei.	Type:	Style/Cata	loa No	Proposed Se	11:
Manufacturer:	Type:	Style/Cata	log No.:	Proposed Se	etting:
Current Transformer Data (If A			3	1 1000004 00	
(Enclose Copy of Manufacture	r's Excitation ar	nd Ratio Correc	tion Curves)		
Manufacturer:	Туре:	Accuracy (Class:	Proposed Ratio (Connection:
viariulacturer.	Type:	Accuracy (Class:	Proposed Ratio (Connection:
Manufacturer:		Accuracy (Class:	Proposed Ratio C	Connection:
Potential Transformer Data (If	Applicable)				

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 a 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? 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? Customer-Applicant shall install wiring and REC meter socket for a REC meter to measure the output of the medium 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 El Paso Electric Company 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: SECTION 6. INFORMATION REQUIRED PRIOR TO PHYSICAL INTERCONNECTION (Not required as a part of the application, unless available at time of application) Installing Electrician: _____ License Number: Mailing Address: City: _____ State: ____ Zip Code: ____

Installation Date:

Interconnection Date:

Signed (Inspector - If required):

Telephone:

(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached.)

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Standard Expansion Application For Certified Inverter-Based Generating Facilities With A Rated Capacity Greater Than 10 kW and Up To 100 kW 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:		atrice .
Telephone (Day):	E-Mail Address:		
Generating Facility Information			4
Service Address:	City:	State:	Zip:
Energy Source: ☐ Solar ☐ Wind ☐ Hydro ☐ Di Estimated Installation Date: Additional Generator Nameplate Rating (kW AC): Additional Inverter Nameplate Rating (kW) (kVa) (Estimated In-Service AC Volts):	Date:	
Single Phase: Three Phase: Total N	ew System Design Capacity (AC):(kW	(kVA)
Expected first year output :	(kWh)		
Is equipment UL1741 Listed? YesNo	_ If Yes, attach manufacturer's	cut-sheet showing	UL certification.
List all certified components of the Generating Fa	acility equipment:		
Equipment Type (Manufacturer, Model) 12	Certifying Entity		
Enclose a copy of the site's electrical one-line diagram the proposed location of the meters and the AC disco	n showing the configuration of all (Generating Facility o	quipment including
Interconnection Customer Signature I hereby certify that, to the best of my knowledge, the inform the Terms and Conditions for Interconnecting an Inverter-Basthe New Mexico Interconnection Manual, Exhibit 3A, and fur has been installed.	ed Generating Facility No Larger than 1	0 kW pursuant to the o	lescription contained in
Name:	Signature:	Da	ate:
Utility Signature The undersigned Utility agrees to abide by the Terms and Coroptional paragraph 6.0 indemnificationdoes apply _		terconnection Manual	, Exhibit 3A, and that
Name:	Signature:	Da	ate: