

Application for Operation of Member-Owned Generation

Complete and return this application to the Cooperative's renewable energy group as part of an Interconnection Request.

PART 1 OWNER/APPLICA	NT INFORMATIO)N	
Member/Owner Name:			
Account Number (if known	own):		
Mailing Address:			
City:	County:	State:	Zip Code:
Phone Number:		Representative:	
Email Address:		Fax Number:	
City:	County:		Zip Code:
Email Address:		Fax Number:	
ELECTRICAL COM	NTRACTOR (as ap		
Company:			
License/Registration Nu	ımber and State:		
Mailing Address:			
City:	County:	State:	Zip Code:
Phone Number:		Representative:	
Essail Adduses		East Massalass	

TYPE OF GENERA	ATOR (as applicable)		
Photovoltaic	Wind	Micro Turbine	
Diesel Engine	Gas Engine	Combustion Turbine	
Other			
APPLICABLE RE	NEWABLE ENERGY PROG	GRAM	
Net Billing Waiv	ved QF Standard QF		
ESTIMATED LOA		AND MODE OF OPERATION INFO	RMATION
	tion is necessary to help properly of intended as a commitment or cont	design the Cooperative Member/Owner interd stract for billing purposes.	connection.
Total Site Load	(kW)		
Residential	Commercial_	Industrial	
Generator Rating	(kW)	Annual Estimated Generation	(kWh)
Provide a description of		ION AND OPERATION ing a detailed description of its planned locat the generator, and the date you plan to comm	

PART 2 (Complete all applicable items. Copy this page as required for additional generators) **SOLAR or WIND System Data** (if applicable) SOLAR PANEL Manufacturer/Model/Quantity:______ DC wattage_____ WIND TURBINE Manufacturer/Model/ Quantity: Wattage______ Wattage_____ INVERTER: Manufacturer/Model/AC wattage_____ MICRO INVERTER: Manufacturer/Model______Quantity_____ OPTIMIZER: Manufacturer/Model______Quantity_____ TOTAL MAX KW: DC_____AC___ Rated Power Factor (%):_____Rated Voltage (Volts):_____Rated Amperes: _____ Inverter Type (ferroresonant, step, pulse-width modulation, etc): _____ Type commutation: forced line Harmonic Distortion: Maximum Single Harmonic (%) Maximum Total Harmonic (%) Note: Attach all available calculations, test reports, and oscillographic prints showing inverteroutput voltage and current waveforms. SYNCHRONOUS GENERATOR DATA (if applicable) Unit Number: ______ Total number of units with listed specifications on site: Manufacturer: _Date of Manufacture: _____ Type: Serial Number (each): Serial Number (each): Phases: Single Three R.P.M.: Frequency (Hz): Kilovolt-Ampere 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):% onKVA baseTransient Reactance (Xd):% onKVA baseSubtransient Reactance (Xd);% onKVA base Negative Sequence Reactance (Xs): ______ % on _____ KVA base Zero Sequence Reactance (Xo): % on KVA base Neutral Grounding Resistor (if applicable): I²t or K (heating time constant): Additional information: INDUCTION GENERATOR DATA (Complete all applicable items) Rotor Resistance (Rr): _____ohms Rotor Reactance (Xr): ____ohms Magnetizing Reactance (Xm): ____ohms Stator Resistance (Rs):_____ohms Rotor Resistance (Rr): ______ohms Rotor Reactance (Xr): _____ohms Magnetizing Reactance (Xm): _____ohms Design letter: _____ Stator Reactance (Xs): _____ohms Short Circuit Reactance (Xd): ____ohms Frame Size: Exciting Current: Temp Rise (deg C°): Reactive Power Required: Vars (no load), Vars (full load) Additional information: **PRIME MOVER** (Complete all applicable items.) Unit Number:_____Type:____ Manufacturer: Serial Number: ______Date of manufacture: _____ H.P. Rated: ______ H.P. Max.: _____ Inertia Constant: ______ lb.-ft.² Energy Source (hydro, steam, wind, etc.)

GENERATOR TRANSFO	RMER (Co	mplete all ap	plicable items.)			
TRANSFORMER (between ge	enerator and u	tility system)				
Generator unit number:		Da	te of Manufactu	rer:		
Manufacturer:						
Serial Number:						
High Voltage:	KV, Conne	ction: delt	a wye, Neut	ral solidly gi	rounded?	
Low Voltage:						
Transformer Impedance(Z):			% on			KVA base.
Transformer Resistance (R):						
Transformer Reactance (X):			% on			KVA base.
Neutral Grounding Resistor (if	applicable):					
POWER CIRCUIT BREA	KER (if ap	plicable)	- — — -			
Manufacturer:			Model			
Rated Voltage (kilovolts):						
Interrupting rating (Ampere	rs):			BIL rating:	• /-	
Interrupting rating (Ampere Interrupting medium / insula	ating mediu	n (ex. Vacui	ım, gas, oil)	Č		/
Control Voltage (Closing):_						
Control Voltage (Tripping):					Charged	Capacitor Close
energy: Spring Motor		Hydraulic	Pneumati	c Othe	er:	
Trip energy: Spring N	Motor	Hydraulic	Pneumati	c Othe	er:	
Bushing Current Transform	ers:	(N	lax. ratio) Rela	y Accuracy	y Class:	
Multi ratio?No_	Yes:	(Available ta	ıps)			

ADDITIONAL INFORMATION

In addition to the items listed above, please attach a detailed one-line diagram of the proposed facility, all applicable elementary diagrams, major equipment, (generators, transformers, inverters, circuit breakers, protective relays, etc.) specifications, test reports, etc., and any other applicable drawings or documents necessary for the proper design of the interconnection. Also describe the project's planned operating mode (e.g., combined heat and power, peak shaving, etc.), and its address or gridcoordinates.

END OF PART 2

SIGNATURE AND ACKNOWLEDGMENT

For myself and/or with authority/permission of the entity named herein, I state the following:

I have read, understand and agree to all provisions, terms and conditions set forth in Eastern Illini Electric Cooperative Regulation No 27 - Interconnection and Parallel Operation of Distributed Generation.

I desire to interconnect electric generating equipment to the low-voltage premises wiring at the applicable premises or facility. I desire to undertake Parallel Operation of such generating equipment with the electric system of the Cooperative as defined in Regulation No 27.

I agree the Cooperative will evaluate and analyze the impact the proposed electric generation equipment may have on (i) the operations of Cooperative electric system and (ii) the quality of electric service provided to the Member/Owner of the Cooperative. The Cooperative has identified the fee associated with this application, which includes the costs of basic design evaluation to be \$500.00.

I understand the basic design evaluation may reveal the requirement for a detailed design evaluation, may require an upgrade to Cooperative infrastructure in order to maintain an adequate quality of electrical service to any and all Cooperative member/owners, or may impact a third-party utility in such a manner that such utility requires further studies and/or upgrades. I understand that to proceed with the interconnection application process and prior to interconnection, I am responsible for such additional fees and/or costs, pursuant to Regulation No 27.

I understand that the \$500 application fee is non-refundable, regardless of the basic design application results, or if I decide to discontinue with the interconnection.

I agree not to undertake Parallel Operation of any generating equipment on the low-voltage premises wiring at my property without the "Authorization to Energize" executed by the Cooperative. I further agree to allow the Cooperative to share pertinent interconnection information with the contracted installer of such renewable energy

Applicant/Member-Owner, Print Name

Applicant/Member-Owner Signature

Date

Please email this application, along with the following information to: renewables@eiec.coop.

* One-line diagram	EIEC
Proof of insurance	RENEWABLES TEAM
* Spec sheet for solar panels	330 W OTTAWA
* Spec sheet for inverter(s)	PAXTON, IL 60957

QUEUE DATE: at TIME: BY: