

Application for Operation of Customer-Owned Generation

This application should be completed and returned to the Cooperative Customer Service representative in order to begin processing the request. Please include a \$500 nonrefundable deposit with this application.

INFORMATION: This application is used by the Cooperative to determine the required equipment configuration for the Customer interface. Every effort should be made to supply as much information as possible.

Owner/Customer					
Name:					
Mailing Address:					
City:	County:	State:	Zip Code:		
Phone Number:		_Representative:			
Email Address:		Fax Number:			
	County:				
	County:				
Phone Number:		Representative:			
Email Address:	Fax Number:				
	ATD ACTOD (og omnis				
ELECTRICAL CON	NTRACTOR (as appli	cane)			
Company:					
	County:				
Email Address:		_ Fax Number:			
***************************************		**********	***************		
TYPE OF GENERA	TOR (as applicable)				
Photovoltaic	Wind		Microturbine		
Diesel Engine	Gas Engine		Combustion Turbine		
Other					

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 (kW) Residential _____ Commercial Industrial Annual Estimated Generation (kWh) Generator Rating (kW) Mode of Operation Paralleling ____ Power Export Isolated 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 2 (Complete all applicable items. Copy this page as required for additional generators) SYNCHRONOUS GENERATOR DATA Unit Number: _____Total number of units with listed specifications on site: _____ Manufacturer: Date of manufacture: Type: 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): ____ % on _____ KVA base Synchronous Reactance (Xd): Transient Reactance (X'd): % on KVA base Subtransient Reactance (X'd); % on KVA base Negative Sequence Reactance (Xs): % on KVA base _______% on _______KVA base Zero Sequence Reactance (Xo): 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: Reactive Power Required:		Temp Rise (deg C°):	_	
Reactive Power Required:	Vars (no load),	Vars (full load)	
Additional information:				
***************************************	*****			
PRIME MOVER (Complete all applicab	ole items)			
Unit Number: Type:				
Manufacturer:				
Serial Number: H.P. Rated: H.P. Max.:	Date o	f manufacture:	***	
H.P. Rated: H.P. Max.: _		Inertia Constant:	lbft.²	
Energy Source (hydro, steam, wind, etc.)				
GENERATOR TRANSFORMER (Com	plete all applicabl	le items)		
TRANSFORMER (between generator and	utility system)	of many factures.		
Generator unit number:	Date	oi manuiacturer:		
Manufacturer:				
Serial Number: High Voltage: KV, Conn	action dolto	wye, Neutral solidly grounde	d9	
High Voltage: KV, Conf.	nection; delta	wye, Neutral solidly g rounded	u:	
Low Voltage: KV, Conn	ection. ueita	% on	KVA hase	
Transformer Impedance(Z): Transformer Resistance (R):		% on	KVA base	
Transformer Reactance (X):		% on	KVA base.	
Neutral Grounding Resistor (if applicable)		/0 OII		

INVERTER DATA (if applicable)				
Manufacturer: Rated Power Factor (%):		Model:		
Rated Power Factor (%):	Rated Voltage (Volts): Rated An	nperes:	
Inverter Type (ferroresonant, step, puls	se-width module	ation, etc):		
Type commutation: forced	line			
Harmonic Distortion: Maximum Single				
Maximum Total I	Harmonic (%) _			
Note: Attach all available calculation	is, test reports, ε	and oscillographic prints show	ving inverter output	
voltage and current waveforms.				
RECEIVED THE PROPERTY OF THE P	******	***************************************		
POWER CIRCUIT BREAKER (if a	pplicable)			
Manufacturer:		Model:		
Rated Voltage (kilovolts):		Rated ampacity (Amperes)		
Interrupting rating (Amperes): BIL Rating:				
Interrupting medium / insulating mediu	ım (ex. Vacuun	n, gas, oil)		
Control Voltage (Closing):	(V	olts) AC DC		
Control Voltage (Trinning):		olts) AC DC Battery	Charged Capacito	
Control Voltage (Tripping): Close energy: Spring Motor	Hydraulic	Pneumatic Other:	2b	
Trip energy: Spring Motor	Hydraulic	Pneumatic Other:		
Bushing Current Transformers:	(Ma	x ratio) Relay Accuracy Class	is:	
Multi ratio? No Yes: (Available tans)	A. Tatio) Rolly Trousacy Class		
112 X VS- 1	+ mareners miles			

ADDITIONAL INFORM	IATION		
all applicable elementary breakers, protective relay documents necessary for	y diagrams, major equipment, (ge s, etc.) specifications, test reports, e the proper design of the interconne	one-line diagram of the proposed facility, nerators, transformers, inverters, circuit tc., and any other applicable drawings or ction. Also describe the project's planned etc.), and its address or grid coordinates.	
END OF PART 2			
SIGN OFF AREA			
The customer agrees to prointerconnection. The custo cooperative.	ovide the Cooperative with any addit omer shall operate his equipment with	ional information required to complete the nin the guidelines set forth by the	
Applicant		Date	
ELECTRIC COOPERA INFORMATION:	TIVE CONTACT FOR APPLICA	TION SUBMISSION AND FOR MORE	
Cooperative contact:	Jordan Creed		
Title: _	Engineer		
Address:	PO Box 220	<u> </u>	
	Wellington, KS		
_	67152		
Phone:	(620) 514-4091		
Fax:	(620) 326-6579		
e-mail:	jordanc@sucocoop.com		
Tariff Choice (please	contact SUCO Engineering for	r tariff information and questions)	
Net Rider	Parallel Generation Rider		