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ELECTRIC COOPERATIVE

Application for Operation of Customer-Owned Generation

This application should be completed as soon as possible and returned to the Cooperative representative in order to begin processing the request. See *Distributed Generation Procedures and Guidelines Manual for Members* for additional information.

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.

PART 1 OWNER/APPLICAN	IT INFORMATIO	N			
Company:					
Mailing Address:					
				Zip Code:	
Phone Number:		Represer	ntative:		
PROJECT DESIG	N/ENGINEERI	NG (as applica	able)		
Company:					
Mailing Address:					
				Zip Code:	
Phone Number:		Represer	ntative:		
ELECTRICAL CO	NTRACTOR (a	s applicable)			
Company:					
Mailing Address:					
				Zip Code:	
Phone Number:		Represen	tative:		
TYPE OF GENER	ATOR (as appl	icable)			
Photovoltaic	W	/ind	Micro	turbine	_
Diesel Engine	G	as Engine	Turbii	ne Other	_
ESTIMATED LOA	D INFORMATI	ON			
The following inform interconnection. This purposes.	ation will be used s information is n	d to help properly ot intended as a	y design th commitme	ne Cooperative customer ent or contract for billing	
Total Site Load	(kW)	Total DG Outp	ut	(kW)	

Application for DG Interconnection and Parallel Operation

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Mode of Operation (check all t	that apply)	
	aralleling	Power Export
DESCRIPTION OF PROPOS	ED INSTALLATION	AND OPERATION
Give a general description of the the generator.	proposed installation, in	ncluding when you plan to operate
PART 2 (Complete all applicable items. (Copy this page as requ	ired for additional generators.)
Jnit Number: Total num Manufacturer: Type:	ber of units with listed	specifications on site:
Jnit Number: Total num Manufacturer: Type: Serial Number (each):	ber of units with listed s	specifications on site:
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: SingleThree	ber of units with listed and ber of manufacture R.P.M.:	specifications on site:e:e:e:
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: SingleThree	ber of units with listed and ber of manufacture R.P.M.:	specifications on site:e:e:e:
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: SingleThree Rated Output (for one unit): Rated Power Factor (%):	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts)	specifications on site:e:
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: SingleThree Rated Output (for one unit): Rated Power Factor (%): Field Volts: Field Amps	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts)	specifications on site:e:
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: SingleThree Rated Output (for one unit): Rated Power Factor (%): Field Volts: Field Amps Synchronous Reactance (X'd): _	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts) % on	specifications on site: E: Frequency (Hz): Kilovolt-Amper Rated Amperes: Motoring power (kW): KVA base
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: SingleThree Rated Output (for one unit): Rated Power Factor (%): Field Volts: Field Amps Synchronous Reactance (X'd): Transient Reactance (X'd):	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts) """ """ """ """ """ """ """	specifications on site:e:
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: Single Three Rated Output (for one unit): Rated Power Factor (%): Field Volts: Field Amps Synchronous Reactance (X'd): Transient Reactance (X'd): Subtransient Reactance (X'd):	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts) Won % on % on	specifications on site: E: Frequency (Hz): Kilovolt-Amper Rated Amperes: Motoring power (kW): KVA base KVA base KVA base
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: SingleThree Rated Output (for one unit): Rated Power Factor (%): Field Volts: Field Amps Synchronous Reactance (X'd): Transient Reactance (X'd): Subtransient Reactance (X'd): Negative Sequence Reactance (Xo): Zero Sequence Reactance (Xo):	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts) """ """ """ """ """ """ """	specifications on site:e:
Manufacturer:	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts) s: % on % on % on [(Xs): % on pplicable):	specifications on site: E: Frequency (Hz): Kilovolt-Amper Rated Amperes: Motoring power (kW): KVA base KVA
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: SingleThree Rated Output (for one unit): Rated Power Factor (%): Field Volts: Field Amps Synchronous Reactance (X'd): Transient Reactance (X'd): Subtransient Reactance (X'd): Subtransient Reactance (X'd): Negative Sequence Reactance (X'd): Neutral Grounding Resistor (if all 12²t of K (heating time constant):	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts) 3: % on % on % on % on % on % on pplicable):	specifications on site:e:
Unit Number: Total num Manufacturer: Type: Serial Number (each): Phases: Single Three Rated Output (for one unit): Rated Power Factor (%): Field Amps	Date of manufacture R.P.M.: Kilowatt Rated Voltage (Volts) s: % on % on % on contact the second secon	specifications on site:e:

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	ohms Short Circuit Reactance (Xd"): Frame Size:	
Exciting Current:	Temp Rise (deg Cº):	
Reactive Power Required:	Vars (no load), Vars	(full load)
Additional Information:		
PRIME MOVER (Complete all a	pplicable items)	
Manufacturer:		
Serial Number:	Date of manufacturer:	
H.P. Rates: H.P. Max.:	Date of manufacturer: Inertia Constant:	lbft ²
Energy Source (hydro, steam, w	rind, etc.)	
GENERATOR TRANSFORMER TRANSFORMER (between gene Generator unit number: Manufacturer: Serial Number:	erator and utility system) Date of manufacturer:	
	tion: delta wye, Neutral solidly grounde	
	ction: delta wye, Neutral solidly ground	
Transformer Impedance (Z):	% on	KVA base
Transformer Resistance (R):	% on	_ KVA base
Transformer Reactance (X):	% on	_ KVA base
Neutral Grounding Resistor (if ap	oplicable:	
	Model:	
	ed Voltage (Volts): Rated Amperes:	
Inverter Type (ferroresonant, ste	ep, pulse-width modulation, etc.):	
Type commutation: forced	line	
Harmonic Distortion: Maximum	Single Harmonic (%)	
Maximum	Total Harmonic (%)	
inverter output voltage and curre	ulations, test reports, and oscillographic plent waveforms.	rints snowing
POWER CIRCUIT BREAKER (i	f applicable)	
•	• • • •	
Rated Voltage (kilovolts):	Model: Rated ampacity (<i>Amperes</i>)	<u> </u>
Interrupting rating (Amperes):	BIL Rating	
Interrupting medium / insulating	BIL Rating medium (ex. Vacuum, gas, oil)/	
Control Voltage (Closing):(Volts) AC DC	
Control Voltage (Tripping): ((Volts) AC DC Battery Charged	d Capacitor
	tor Hydraulic Pneumatic Other:	
	tor Hydraulic Pneumatic Other: _	

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Bushing Current Transformers: (Max. ratio) Relay Accuracy Class: Multi Ratio? No Yes: (available taps)
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.
SIGN OFF AREA
The customer agrees to provide the Cooperative with any additional information required to complete the interconnection. The customer shall operate his equipment within the guidelines set forth by the Cooperative.
Applicant Date
ELECTRIC COOPERATIVE CONTACT FOR APPLICATION SUBMISSION AND FOR MORE INFORMATION:
Cooperative contact:
Email: dg@navasotavalley.com
Phone: 979-828-3232 800-443-9462