Application for Operation of Customer-Owned Generation Magic Valley Electric Cooperative, Inc.

This application should be completed as soon as possible and returned to the Cooperative Customer Service 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 MEMBER/APPLICANT INFORMATION

Member:				
Mailing Address:				
			Zip Code:	
Phone Number:		MVEC Account #: _		_
Membe	r Representative:			
PROJECT DESIGN/E	NGINEERING (as a	pplicable)		
Company:				
Mailing Address:				
			Zip Code:	
Phone Number:		Representative:		
ELECTRICAL CONT	RACTOR (as applica	able)		
Company:				
Mailing Address:				
City:	County:	State:	Zip Code:	
Phone Number:	F	Representative:		
TYPE OF GENERAT	OR (as applicable)			
Photovoltaic	Wind _	Micro	oturbine	
Diesel Engine	Gas E	ngine Turbi	ne Other	

ESTIMATED LOAD INFORMATION

The following inf	ormation will be	used to help	properly de	sign the Coc	perative c	ustomer
interconnection.	This information	is not intende	ed as a cor	nmitment or	contract fo	r billing
purposes.						_

Total Site Load	(kW)	Total DG Output	(kW)
Mode of Operation (d	check all th	hat apply)	
Isolated	Par	ralleling	Power Export

DESCRIPTION OF PROPOSED INSTALLATION AND OPERATION

Give a general description of the proposed installation, including when you plan to operate the generator.

(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: Type: Date of manufacture: Serial Number (each): ____ Phases: Single ____Three ___ R.P.M.: _____ Frequency (Hz): _____ Rated Output (for one unit): _____ Kilowatt ____ Kilovolt-Amper____ Rated Power Factor (%): _____ Rated Voltage (Volts) _____ Rated Amperes: _____ Field Volts: _____ Field Amps: _____ Motoring power (kW): Synchronous Reactance (X'd): ______ % on _____ KVA base Transient Reactance (X'd): % on KVA base Subtransient Reactance (X'd): ______ % on _____ KVA base Negative Sequence Reactance (Xs): ______ % on _____ KVA base Zero Sequence Reactance (Xo): _______ % on _____ KVA base Neutral Grounding Resistor (if applicable): I₂²t of 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: _____ 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 manufacturer:			
H.P. Rates: H.P. Max.: Inertia Constant:			
Energy Source (hydro, steam, wind, etc.)			
GENERATOR TRANSFORMER (Complete all applicable items)			
TRANSFORMER (between generator and utility system)			
Generator unit number: Date of manufacturer:			
Manufacturer:			
Serial Number:			
High Voltage: KV, Connection: delta wye, Neutral solidly gro	ounded?		
Low Voltage: KV, Connection: delta wye, Neutral solidly gr	ounded?		
Transformer Impedance (Z): % on	KVA base		
Transformer Resistance (R): % on	KVA base		
Transformer Reactance (X): % on	KVA base		
Neutral Grounding Resistor (if applicable:			
INVERTER DATA (if applicable)			
Manufacturer: Model:			
Rate Power Factor (%): Rated Voltage (Volts): Rated Ampere			
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 oscillograp	hic prints showing		
inverter output voltage and current waveforms.			

POWER CIRCUIT	BREAKER (if app	olicable)				
Manufacturer:			Model:			
Rated Voltage (kild	ovolts):	Rated ampacity (<i>Amperes</i>)				
Interrupting rating (Amperes):		BII	Rating			
Interrupting mediur	m / insulating medi	ium (ex. Vacu	um, gas, oil) _			
Control Voltage (C	losing): (Volts) AC	DC			
Control Voltage (Ti	ripping): (Volts	s) AC	DC Batte	ry Charged Capacitor		
Close energy:	Spring Motor	Hydraulic	Pneumatic	Other:		
Trip energy:	Spring Motor	Hydraulic	Pneumatic	Other:		
Bushing Current Transformers: (Max. ratio) Relay Accuracy Class:						
Multi Ratio?	No Yes: (av	/ailable taps)				
ADDITIONAL INF	ODMATION					
ADDITIONAL INFO	JRMATION					
transformers, inve	erters, circuit brea any other applicab	akers, protect	tive relays, e	equipment (generators, tc.), specifications, test necessary for the proper		
SIGN OFF AREA						
	nterconnection. Th	ne Member st		onal information required is equipment within the		
Applicant						
ELECTRIC COOP MORE INFORMAT	_	ACT FOR AP	PLICATION S	SUBMISSION AND FOR		
Cooperative contactitle: Address:	Business & P.O. Box 26	Employee De	velopment Ma	ınager		
Phone: Fax: Email:	Fax: (956) 825-7185					