DECATUR COUNTY REMC

Application for Interconnection and Parallel Operation of Distributed Generation

This application should be completed and returned to the Decatur County REMC Customer Service representative in order to begin processing the request. See <u>Member Guidelines for Interconnection and Parallel Operation of Distributed Generation</u> for additional information.

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

PART 1 OWNER/APPLICA	NT INFORMATION				
Owner/Member					
Name:					
City:	County:	State:	Zip Code:		
Phone Number:		_Representative:			
Email Address:	Fax Number:				
	V/ENGINEERING (AR	, ,	applicable)		
Mailing Address:					
City:	County:	State:	Zip Code:		
Phone Number:	Representative:				
Email Address:	Fax Number:				
	NTRACTOR (as appli				
Company:					
Mailing Address:					
City:	County:	State:	Zip Code:		
Phone Number:		_Representative:			
Email Address:		Fax Number:			
TYPE OF GENERA	ATOR (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 Decatur County REMC member interconnection. This information is not intended as a commitment or contract for billing purposes. Total Site Load (kW) Residential _____ Commercial _____ Industrial Generator Rating _____(kW) Annual Estimated Generation _____(kWh) **Mode of Operation** Paralleling _____ Power Export ____ 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):_____ Synchronous Reactance (Xd): ________ % on ______ KVA base 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	
Magnetizing Reactance (Xm):			ice (Xd"): ohms	
Design letter:				
Exciting Current:		Temp Rise (deg C°):		
Reactive Power Required:	Vars ((no load),	Vars (full load)	
Additional information:				
PRIME MOVER (Complete all applicable i Unit Number: Type:				
Manufacturer:				
Serial Number:	Date o	of manufacture:		
H.P. Rated: H.P. Max.:		Inertia Constant:	lbft. ²	
Energy Source (hydro, steam, wind, etc.)				
GENERATOR TRANSFORMER (Complet TRANSFORMER (between generator and util	te all applicab			
Generator unit number:		of manufacturer:		
Manufacturer:				
Serial Number:				
High Voltage: KV, Connect	ion: delta	wye, Neutral solidly	grounded?	
Low Voltage: KV, Connecti	on: delta	wye, Neutral solidly	g rounded?	
Transformer Impedance(Z):				
Transformer Resistance (R):			KVA base.	
Transformer Reactance (X):				
Neutral Grounding Resistor (if applicable):				
INVERTER DATA (if applicable)				
Manufacturer:		Model:		
Manufacturer:Rated Power Factor (%):Rate	ed Voltage (Volts): Ra	ated Amperes:	
Inverter Type (ferroresonant, step, pulse-v	vidth modula	ation, etc):		
Type commutation: forced li	ine			
Harmonic Distortion: Maximum Single H				
			41	
Note: Attach all available calculations, t	est reports, a	and oscillographic prin	ts snowing inverter output	
voltage and current waveforms.				
POWER CIRCUIT BREAKER (if appl				
TOWER CIRCUIT BREAKER (II appl.	icable)			
Manufacturer:				
Rated Voltage (kilovolts):		Rated ampacity (Amperes)		
Interrupting rating (Amperes):		DII Dotin	~·	
mierrupung raung (imperes)		DIL Katili	g	
Interrupting medium / insulating medium				
Interrupting medium / insulating medium	(ex. Vacuum	n, gas, oil)		
Interrupting medium / insulating medium Control Voltage (Closing):	(ex. Vacuum	n, gas, oil) Tolts) AC DC	//	
Interrupting medium / insulating medium Control Voltage (Closing): Control Voltage (Tripping): Close energy: Spring Motor	(ex. Vacuum (V (V	on, gas, oil) olts) AC DC olts) AC DC Ba	ttery Charged Capacito	
Interrupting medium / insulating medium Control Voltage (Closing): Control Voltage (Tripping): Close energy: Spring Motor	(ex. Vacuum (V (V	on, gas, oil) olts) AC DC olts) AC DC Ba	ttery Charged Capacito	
Interrupting medium / insulating medium Control Voltage (Closing): Control Voltage (Tripping):	(ex. Vacuum (V (V	on, gas, oil) olts) AC DC olts) AC DC Ba	ttery Charged Capacito	

ADDITIONAL INFO	RMATION
all applicable elemen breakers, protective re documents necessary f	s listed above, please attach a detailed one-line diagram of the proposed facility, tary diagrams, major equipment, (generators, transformers, inverters, circuit lays, etc.) specifications, test reports, etc., and any other applicable drawings or for the proper design of the interconnection. Also describe the project's planned combined heat and power, peak shaving, etc.), and its address or grid coordinates.
END OF PART 2	<u> </u>
SIGN OFF AREA	
•	provide Decatur County REMC with any additional information required to ection. The member shall operate his equipment within the guidelines set forth by C.
Applicant	Date
DECATUR COUNTY INFORMATION:	REMC CONTACT FOR APPLICATION SUBMISSION AND FOR MORE
REMC contact:	Brett Abplanalp
Title:	Chief Executive Officer

P.O. Box 46

(812) 663-3391

(812) 663-8572

Greensburg, IN 47240-0046

babplanalp@dcremc.com

Address:

Phone:

e-mail:

Fax: