Bryan Municipal Utilities

Application for Operation of Customer-Owned Generation

This application should be completed and returned to Bryan Municipal Utilities in order to begin processing the request. See <u>Customer Guidelines for Electric Power Generator Installation and Interconnection</u> for additional information.

INFORMATION: This application is used by Bryan Municipal Utilities 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:		
City:	County:	State:	Zip Code:
Phone Number:		_Representative:	
Email Address:		_ Fax Number:	
ELECTRICAL CO	NTRACTOR (as appli	cable)	
Mailing Address:			
City:	County:	State:	Zip Code:
Phone Number:		_Representative:	
Email Address:		_ Fax Number:	
	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 BMU customer interconnection. This information is not intended as a commitment or contract for billing purposes. Total Site Load _____(kW) Residential _____ Industrial Commercial _____ Generator Rating _____(kW) Annual Estimated Generation _____(kWh) **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: Type: _____Date of manufacture: _____ Serial Number (each):_____ Synchronous Reactance (Xd): ________ % 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):_____ I_2^2 t 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):			
Magnetizing Reactance (Xm):					
Design letter:		Frame Size:			
Exciting Current:		Frame Size: Temp Rise (deg C°):			
Reactive Power Required:	Vars (no load),	Vars (full load)		
Reactive Power Required: Vars (no load), Vars (full load) Vars (full load) Vars (full load)					
PRIME MOVER (Complete all appli	cable items)				
Unit Number: Type: _					
Manufacturer:	D.4	Company Contant			
Serial Number:	Date o	f manufacture:	11. 6.2		
H.P. Rated: H.P. Max					
Energy Source (hydro, steam, wind, etc					
GENERATOR TRANSFORMER (C		le items)			
TRANSFORMER (between generator a		ic itellis)			
Generator unit number:		of manufacturer:			
Manufacturer:					
Serial Number:					
High Voltage: KV, C	onnection: delta	wye, Neutral solidly ground			
Low Voltage: KV, Co	onnection: delta	wye, Neutral solidly groun			
Transformer Impedance(Z):					
Transformer Resistance (R):					
Transformer Reactance (X):					
Neutral Grounding Resistor (if applicab					
INVERTER DATA (if applicable)					
Manufacturer:		Model:			
Rated Power Factor (%):	Rated Voltage (V	Volts): Rated A	mnerec:		
Inverter Type (ferroresonant, step, p					
inverter Type (terroresonant, step, p	raise-wiath inodule				
Type commutation: forced	lina				
Harmonic Distortion: Maximum Sir	•				
Note: Attach all available calculat	tions, test reports, a	and oscillographic prints sho	owing inverter output		
voltage and current waveforms.					
POWER CIRCUIT BREAKER (i					
	11				
Manufacturer:		Model:			
Rated Voltage (kilovolts):		Rated ampacity (Amperes)			
Interrupting rating (Amperes):		BIL Rating:			
Interrupting medium / insulating me	edium (ex. Vacuum	a. gas. oil)			
Control Voltage (Closing):	(V	olts) AC DC			
Control Voltage (Crosing):	(V.	olts) AC DC Rattery	Charged Canacito		
Close energy: Spring Motor	Hydroulia	Proumatic Other	Charged Capacito		
Close energy: Spring Motor	Hydraulic	Properties Other:			
Trip energy: Spring Motor	Hydraulic	rneumanc Otner: _			
Bushing Current Transformers:					
Multi ratio? No Ye	s: (Available taps)				

ADDITIONAL INFO	RMATION
all applicable element breakers, protective rel documents necessary for	s listed above, please attach a detailed one-line diagram of the proposed facility, any diagrams, major equipment, (generators, transformers, inverters, circuit lays, etc.) specifications, test reports, etc., and any other applicable drawings or or the proper design of the interconnection. Also describe the project's planned ombined heat and power, peak shaving, etc.), and its address or grid coordinates.
END OF PART 2	<u> </u>
SIGN OFF AREA	
•	provide Bryan Municipal Utilities with any additional information required to ection. The customer shall operate his equipment within the guidelines set forth by es.
Applicant	Date
BRYAN MUNICIPAL MORE INFORMATION	UTILITIES CONTACT FOR APPLICATION SUBMISSION AND FOR ON:
Title:	Electric Superintendent
Address:	Bryan Municipal Utilities

841 E Edgerton Street

Bryan, OH 43506

Phone: 419-633-6121 Fax: 419-633-6105

e-mail: <u>utility@cityofbryan.com</u>