SNOHOMISH COUNTY PUBLIC UTILITY DISTRICT NO. 1

Final Application for Operation of Customer-Owned Generation

FORM 6-2

Who should file this application: Customers defined by the Preliminary Interconnection Study performed by the District as having generation capable of operating in parallel with the District system. This application should be completed as soon as possible and returned to a District Representative in order to begin processing the request.

Information: This application is used by the District to perform a Final Interconnection Study to determine the required equipment configuration for the District/customer interface. Every effort should be made to supply as much information as possible.

Additional Requirements: In addition to the items listed on this form, please attach a detailed one-line diagram of the proposed facility, all applicable elementary diagrams of 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.

Equipment Testing: Prior to final approval of the customer's generation, protective and control system testing is required. District representatives and Owner representatives must be present to witness and verify the testing for proper operation.

Owner/Applicant Information				
Company				
Mailing Address				
City				Zip
Phone				
Project Design/Engineering (Architect) (as applicable)				
Company				
Mailing Address				
City				Zip
Phone		Representative		
Electrical Contractor (as appli	icable)			
Company				
Mailing Address				
City	County		State	Zip
Phone		Representative		
Estimated Load Information				
The following information will be used to help properly design the District/customer interconnection. This information is not intended as a commitment or contract for billing purposes.				
Minimum anticipated load (gen	eration not op	erating)	kW	kVA

Maximum anticipated load (generation not operating) _____kW ____kVA

Please complete all applicable items. Copy this page as required for additional generators.

Synchronous Generator Data			
Unit No.(s) Tota	al number of units v	with listed specifications	s on site
Manufacturer		Mfg. Date	
Serial No. (each)			
Phases: Single Three RP			
Rated Output (for one unit)	kW		kVA
Rated Power Factor % Rated V			
Field Volts Field Amps	<u> </u>	Motoring Power (I	<w)< td=""></w)<>
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
Zero Sequence Reactance (Xo)	% on		_ kVA base
Neutral Grounding Resistor (if applicable)			
Additional information			
Rotor Resistance (Rr)	ohms Stator	Resistance (Rs)	ohms
Rotor Reactance (Xr)	ohms Stator	Reactance (Xs)	ohms
Magnetizing Resistance (Xm)	ohms Short	Circuit Resistance (Xd'	') ohms
Design Letter	Frame	Size	
Exciting Current	Temp	Rise ([°] C)	
Reactive Power Required	Vars (no load)	Vars (f	ull load)
Additional information			
Prime Mover (please complete all applicable	e items)		
Unit No	Туре		
Manufacturer		No	
Mfg. Date HP Rated			
Energy Source (hydro, steam, wind, etc.)			

Generator Transformer (please	e complete all applic	able items)			
Transformer (between generator	r and utility system)				
Generator Unit No.					
Manufacturer					
Serial No.					
High Voltage			wye, Neutra	al solidly gro	ounded?
Low Voltage	kV, Connection:	delta	wye, Neutra	al solidly gro	ounded?
Transformer Imepdance (Z)	% on			kV	A base
Transformer Resistance (R)	% on			kV	A base
Transformer Reactance (X)	% on			kV	A base
Neutral Grounding Resistor (if a	oplicable)				
Inverter Data (if applicable)					
Manufacturer			Model		
Rated Power Factor %					
Inverter Type (ferroresonant, ste	p, pulse-width modu	ulation, etc.)			
Type Commutation: Forced					
Harmonic Distortion: Max	kimum Single Harmo	onic %			
	kimum Total Harmor				
NOTE : Please attach all availab voltage and current waveforms.					
Power Circuit Breaker (if applied	cable)				
Manufacturer			Model		
Rated Voltage (kV)		Ra	ted Amperes		
Interrupting Rating (Amperes)					
Interrupting medium/Insulating r	nedium (ex: vacuum	n, gas, oil <u>)</u>		/	
Control Voltage (closing):	Volts	AC	DC		
Control Voltage (tripping):				tery	Charged Capacito
Close Energy: Spring	Motor	Hydraulio	c Pne	umatic	Other
Trip Energy: Spring					
Bushing Current Transformers					
Multi ratio:Yes	_No (Available tap	s)			
Miscellaneous (Please use this	area and any additi	ional sheets	for applicable n	otes and co	omments)

Signature

The customer agrees to provide Snohomish County Public Utility District with additional information required to complete the interconnection. The customer shall operate his equipment within the guidelines set forth by the *Interconnection Requirements for Customer-Owned Generating Facility Connected to District Distribution/High Voltage System.*

Applicant Signature D	Date
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Information below to be completed by Snohomish County Public Utility District				
PUD Customer Service Representative completes the following:				
Executive Account Rep		Phone		
Project Name				
Street Address				
City	County	Phone		
District service point location (Attach map if available)				
Equipment Testing Testing performed and witnessed for proper operation on// by:				
Owner	Owner Rep	Contractor		
Executive Account Rep		System Protection Rep		
Project Designer / Engineer		Construction Rep		
Miscellaneous Comments/Notes				
Copy of Application and Attachmen	ts to:			
Power & Business Services				
Transmission & Distribution Engineering Services Manager System Planning & Protection Manager				
Distribution Construction Se	•			
* Original of this document to be retained in customer's file in Customer Service Department *				