

Application for Electrical Interconnection Generating Facility – Level 2 or 3 Interconnection Review (For Generating Facilities with Electric Nameplate Capacities no Larger than 20 MW)

Instructions

An Interconnection Customer who requests a Utah Public Service Commission jurisdictional interconnection must submit this Interconnection Request by hand delivery, mail, or delivery service to the public utility, PacifiCorp, d/b/a Rocky Mountain Power. This application should be completed by Interconnection Customers that are not eligible for net metering and with facility nameplate capacities no larger than 20 MW. The Interconnection Customer is to complete all fields of this application form to the extent that such requested information is applicable to the proposed Generating Facility. If questions exist about the applicability of the requested information or assistance is needed, please contact the designated contact person identified below:

Designated Contact Person:	Laura Raypush		
Address: 825 NE Multnomal	n, Suite 1600, Portland, C	R 97232	
Telephone Number: 503-813	-7040		
Facsimile Number: 503-813-	6893		
Legal Name of the Customer (or, i	f an individual, individu	nal's name):	
Name:			
Physical Address:			
City:	State:	Zip Code:	
Telephone (Daytime):		(Evening):	
Facsimile Number:			
Address of Customer Facility Who	ere Proposed Generatin	g Facility will be Interconnected:	
Street Address:			
City:	State:	Zip Code:	

System Installer/Consulting Engineer:



Name:			
Contact Person:			
Mailing Address:			
Physical Address:			
City:	State:	Zip Code:	
Telephone (Daytime):		(Evening):	
Facsimile Number:			
E-Mail Address:			
		Where Generator Will Be Interc	connected:
Application is for:		cility existing Generating Facility	
If capacity addition to existing Ge	enerating Facility, pleas	se describe:	
Will the Generating Facility be us To Supply Power to the In To Supply Power to Other	terconnection Custome		
For installations at locations with interconnect, provide:	existing electric servic	e to which the proposed Generating	g Facility will
(Local Electric Service Provider*))	(Existing Account Number*)	
Type of Service: Single Phase	Three Phase		
Requested Point of Interconnection	n:		
Interconnection Contained D	ostad In Comilia Dar		
interconnection Customer's Reque	ested in-Service Date:		
Is Facility going to be a Qualified	Facility ("QF")?	Yes No	



If yes, has Applicant completed FERC "Notice of Self Certification"? Yes No
Requested Procedure Under Which to Evaluate Interconnection Request 1:
Please indicate below which review procedure applies to the interconnection request.
Level 2 – Certified interconnection equipment with an aggregate electric nameplate capacity of 2 MW or less. Generation facility does not qualify for a Level 1 review or has been reviewed but not approved under a Level 1 review. The application fee amount is \$50 plus \$1.00 per kW of the Generating Facility's capacity. Proof provided demonstrating certification with the following standards as applicable; please indicate type of certification below:
☐ IEEE Standard 1547; and☐ UL Standard 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems (January 2001).
Level 3 – Aggregate electric nameplate capacity rating is 20 MW or less and the Generating facility is not certified; does not qualify for a Level 1 or Level 2 review; or has been reviewed but not approved under a Level 1 or Level 2 review. The application fee amount is \$100 plus \$2.00 per kW of the Generating Facility's capacity.
¹ <u>Note:</u> Descriptions for interconnection review categories do not list all Level 2 and 3 criteria that must be satisfied. For a complete list of criteria, please refer to R746-312, Electrical Interconnection. Level 1 interconnection review of certified inverter-based Generating Facilities having a generation capacity of 25 kW or less requires a separate application form.
Generating Facility Information:
Energy Source: Solar Wind Hydro - Hydro Type (e.g. Run-of-River): Diesel Natural Gas Fuel Oil Biomass Other (state type)
Prime Mover:
Type of Generator: Synchronous Induction Inverter
Generator Nameplate Rating:kW (Typical) Generator Nameplate kVAr:
Interconnection Customer or Customer-Site Load:kW (if none, so state)



Typical Reactive Load (if known):	
Maximum Physical Export Capability Requested:	kW
List components of the Generating Facility equipment manufacture of certification in accordance with R7	nent package that are currently certified (include proof from 46-312-5, Certifications):
Equipment Type or Package 1.	Certifying Entity
	l Name & Number:
Version Number:	
Nameplate Output Power Rating in kW: (Summer	r) (Winter)
Nameplate Output Power Rating in kVA: (Summer	r) (Winter)
Rated Power Factor: Leading:Lag	ging:
Total Number of Generators in generation facility to #: Elevation:	to be interconnected pursuant to this Interconnection Request: Single phase Three phase
Inverter Manufacturer, Model Name & Number (if	Fused):
List of adjustable set points for the protective equip	oment or software:
Note: A completed Power Systems Load Flow data	a sheet must be supplied with the Interconnection Request.
Proposed Generating Facility Characteristic Da	ta (for inverter-based machines):
Manufacturer: Model	:
Type: Forced Commutated Line Commuta	ated



Electric Nameplate Capacity Rated Output: Amps	VoltskW
Efficiency:% Power Factor:%	
Max design fault contribution current:	aneous RMS
Harmonics characteristics:	
Start-up requirements:	
Proposed Generating Facility Characteristic Data (for rotating ma	nchines):
RPM Frequency:	
(*) Neutral Grounding Resistor (if applicable):	
Synchronous Generators: Submit copies of the Saturation Curve and the Vee Curve.	
Salient Non-Salient	
Torque: lb-ft Rated RPM:	
Field Amperes: at rated generator voltage and current ar	nd% PF over-excited
Type of Exciter:	
Output Power of Exciter:	
Type of Voltage Regulator:	
Locked Rotor Current:	
Synchronous Speed:	RPM
Min. Operating Freq./Time:	
Generator Connection: Delta Wye Wye Grounded	
Direct Axis Synchronous Reactance, Xd:	P.U.
Direct Axis Transient Reactance, X' d:	P.U.
Direct Axis Subtransient Reactance, X" d:	P.U.
Negative Sequence Reactance, X ₂ :	P.U.
Zero Sequence Reactance, X ₀ :	P.U.
KVA Base:	
Field Volts:	
Field Amperes:	



<u>Induction Generators:</u> Manufacturer:	
Model No.: Version No.:	
Locked Rotor Current:	
Phases: Single Three-Phase	
Motoring Power (kW):	_
I ₂ ² t or K (Heating Time Constant):	
Rotor Resistance, Rr:	_
Stator Resistance, Rs:	_
Stator Reactance, Xs:	
Rotor Reactance, Xr:	<u>-</u>
Magnetizing Reactance, Xm:	<u>-</u>
Short Circuit Reactance, Xd":	_
Exciting Current:	_
Frame Size: Design Letter: Temp. Rise:	_°C.
Reactive Power Required In Vars (No Load):	_
Reactive Power Required In Vars (Full Load):	_
Total Rotating Inertia, H:	Per Unit on kVA Base
Excitation and Governor System Data for Synchronous Generators O Provide appropriate IEEE model block diagram of excitation system, gove stabilizer (PSS). A PSS may be determined to be required by applicable s block diagram may not be substituted.	ernor system and power system
Interconnection Facilities Information: Will a transformer be used between the generator and the point of common	n coupling? Yes No
Will the transformer be provided by the Interconnection Customer? $\ \square$ Y	es
<u>Interconnection Customer Transformer Data (please provide informate separate sheet if necessary):</u>	tion for all transformers, attach
Is the transformer: single phase three phase Size	::kVA
Transformer Impedance: % on kVA Base	



Transformer Primary:	Volts	ta Wye	Wye Grounded	
Transformer Secondary:	Volts Delt	ta	☐ Wye Grounded	
Transformer Tertiary:	Volts Delt	ta Wye	Wye Grounded	
Transformer Fuse Data (if				
(Attach copy of fuse manufa	cturer's Minimum Melt	and Total Clearing T	ime-Current Curves)	
Manufacturer:	Type:	Size:	Speed:	-
Interconnecting Circuit Br	eaker (if applicable):			
Manufacturer:	T	ype:		
			ip Speed (Cycles):	_
Interconnection Protective	Relays (if applicable):	•		
If Microprocessor-Controlled				
List of Functions and Adjust	able Setpoints for the pr	rotective equipment of	r software:	
Setpoint Function		Minimum	Maximum	
1				
2				
3				
4				
5				
6				
If Discrete Components:				
(Enclose Copy of any Propos	sed Time-Overcurrent C	Coordination Curves)		
Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:	
			Proposed Setting:	
			Proposed Setting:	



Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:
			Proposed Setting:
			Proposed Setting:
Current Transform	er Data (If Applicable):		
		nd Ratio Correction Curves)	
Manufacturer:			
Type:	Accuracy Class:	Proposed Ratio Connection	:
Manufacturer:			
			:
Potential Transforn	ner Data (If Applicable):	<u> </u>	
Manufacturer:			
			:
Manufacturer:			
			:
Other Facility Infor	mation:		
equipment, current ar	_	protection and control schemes.	total proposed Generating Facility Please include system impedance
One Line Diagram at	tached: Yes No		
		1 1	ation of the proposed Generating mber, other diagram or
Plot Plan attached:	Yes No		
Enclose copy of any	documents that provide pr	roof of site control.	
Site Control attached	: Yes No		



Applicant Signature:

applicant signature.		
I hereby certify that all of the information	provided in this application request form is correct.	
Applicant Signature:		_
Name:		_
	Date:	
An application fee may be required before appropriate fee is included with the application.	the application can be processed. Please verify that the ation:	
Application fee included: Yes No		
Amount \$		
Printed Name:	Title:	