

www.pvrea.coop 1.800.432.1012 For Level II and Level III Small Generator Interconnection Process

This application should be completed and returned to the Member Relations Department to begin processing the request. A non-refundable processing fee will be submitted with this application.

INFORMATION: This application is used by Poudre Valley Rural Electric Association, Inc. to determine the required equipment configuration for the Member interface. Every effort should be made to supply as much information as possible.

possible.			
MEMBER/APPLICANT INFORM	MATION		
Name:			
Mailing Address:			
City:	State:	Zip Code:	
Phone Number:			
Email Address:			
PROJECT DESIGN/ENGINEERIN			
Name:			
Mailing Address:			
City:			
Phone Number:	Representative:		
Email Address:			
ELECTRICAL CONTRACTOR (as			
Name:			
Mailing Address:			
City:			
Phone Number:	Representative:		
Email Address:			
TYPE OF GENERATOR			
Photovoltaic Wind Micr		Gas Engine	Combustion Turbine

ESTIMATED LOAD, GENERATOR RATING AND MODE OF OPERATION INFORMATION

information is not intended as	, , ,	,	•	astomer interconnection. This
Total Site Load	_(kW)			
Type of service (choose one):	Residential	Commercial	Industrial	
Generator Rating	_(kW)	Annual Estimato	ed Generation	(kWh)
Mode of Operation (choose on	e): Isolate	ed Paralleli	ng Power I	Export only
DESCRIPTION OF PROPO				
•			=	iption of its planned location, the date it and whether you plan to operate it.
Manufacturer: Type: Serial Number(s): Phase: Single Three	Copy this page a ATA Total r R.P.M.:	number of units v	vith listed specific Date of manufac	rs cations on site: cture: Frequency (Hz):
Rated Output (for one unit):				Pated Amnores
				Rated Amperes:(kW):
				KVA base

Transient Reactance (X'd):			_% on		KVA base
Subtransient Reactance (X'd):					KVA base
Negative Sequence Reactance	e (Xs):				
Zero Sequence Reactance (Xo	o):		_% on		KVAbase
Neutral Grounding Resistor (i	f applicable):				
I ₂ ² t or K (heating time constar	 nt):				
Additional information:					
INDUCTION GENERATOR DAT			~~~~~	······	~~~~~~~
Rotor Resistance (Rr):		ohms	Stator Resistar	nce (Rs):	ohms
				nce (Xs):	
• • •				eactance (Xd"):	
Design letter:				· · ·	
Exciting Current:				g C°):	
Additional information:					
PRIME MOVER Unit Number:	Tota	I number	of units with list	ed specifications on site:	
Manufacturer:					
Serial Number(s):					e:
				Constant:	lbft. ²
Energy Source (hydro, steam,	wind, etc.):				
GENERATOR TRANSFORMER	(between genera	ator and u	itility system)	······	······································
Generator unit number:				Date of manufacturer:	
Manufacturer:					
Serial Number:					
				Neutral solidly grounded?	
Low Voltage:	KV Conn	ection:	_deltawye	Neutral solidly grounded?	
Transformer Impedance(Z):			_% on		KVA base
Transformer Resistance (R):			_% on		KVA base
			_% on		KVA base
Neutral Grounding Resistor (i	f annlicable).				

·····			
INVERTER DATA			
Manufacturer:	_Model:		
Rated Power Factor (%):Rated Voltage (Volts):	Rated Amperes:		
Inverter Type (ferroresonant, step, pulse-width modulation, etc)):		
Type commutation:forcedline			
Harmonic Distortion: Maximum Single Harmonic (%):	_Maximum Total Harmonic (%):		
Note: Attach all available calculations, test reports, and oscillo current waveforms.	graphic prints showing inverter output voltage and		
POWER CIRCUIT BREAKER			
Manufacturer:	Model:		
Rated Voltage (kilovolts):Rated ampacity (Ampe			
Interrupting rating (Amperes):	BIL Rating:		
Interrupting medium/insulating medium (ex. Vacuum, gas, oil):			
Control Voltage (Closing):(Volts)	AC or DC		
Control Voltage (Tripping):(Volts)			
Close energy: Spring Motor Hydraulic Pneumatic	Other:		
Trip energy: Spring Motor Hydraulic Other:			
Bushing Current Transformers: (Max. ratio) Relay Accuracy Class:			
Multi ratio? No Yes: (Available taps)			
ADDITIONAL INFORMATION			
In addition to the items listed above, please attach:			
Detailed one-line diagram of the proposed facility			
All applicable elementary diagrams			
Major equipment, (generators, transformers, inverters, circ	uit breakers, protective relays, etc.) specifications		
Test reports, etc.,			
Any other applicable drawings or documents necessary for	the proper design of the interconnection.		

Member/Applicant PVREA CONTACT FOR APPLICATION SUBMISSION AND FOR MORE INFORMATION Co-op contact: Title: Mailing address: Phone:e-mail:	The member/applicant agrees to provide PVREA with any additional information required to complete the interconnection. The customer shall operate his equipment within the guidelines set forth by PVREA.			
PVREA CONTACT FOR APPLICATION SUBMISSION AND FOR MORE INFORMATION Co-op contact: Title: Mailing address: Phone:				
Title:				
Title:	Co-op contact:			
Mailing address: Phone:				
Phone:				
e-mail:				
	e-mail:			