BOARD POLICY 307: ATTACHMENT A



Your Touchstone Energy® Cooperative

Application for Distributed Generation Project

I, as Requestor, have fully read, understand, and accept all provisions, terms, and conditions set forth in Shelby Electric Cooperative (Cooperative) Board Policy 307 - Interconnection and Parallel Operation of Distributed Generation.

I desire to interconnect electric generating equipment as a Distributed Generation Project (DGP) to the low-voltage premises wiring at my property. I desire to undertake Parallel Operation of this generating equipment with the electric system of the Cooperative as defined in Board Policy 307.

I desire to receive compensation/credit for an	
	metering as defined in Board Policy 308 lifying Facilities as defined in Board Policy 321 or Small
Distributed Generation Facility under B	, -
I agree to pay the non-refundable application necessary prior to the Cooperative accepting	n fee of \$to the Cooperative, which is this Application for Distributed Generation.
Cooperative electric system and (ii) the quality Cooperative. The Cooperative has identified be \$ Should a further deposit be	alyze the impact my DGP may have on (i) the operations of ty of electric service provided to the members of the the deposit for analysis associated with this Application to e required, the Cooperative will notify me. Should deposit credited toward any necessary construction costs or returned to me.
be required before construction required by Estimated costs of construction required by t	em construction required, a deposit for construction will the Cooperative for the interconnection would begin. he Cooperative will be provided after analysis is complete, mated costs as a deposit for such construction.
	f any electric generating equipment on the low-voltage ut an "Authorization to Energize" duly executed by an
Signed (Requestor)	Date
Account Number	 Map Location Number

Distributed Generation Project General Description and Electrical Characteristics

This application should be completed and returned to the Cooperative Member Services Department in order to begin processing the request.

INFORMATION: This application is used by the Cooperative to determine the required equipment configuration for the Requestor's interconnection. Every effort should be made to supply as much information as possible. The Cooperative reserves the right to request any additional information pertaining to the installation of generation equipment/net metering at any time.

PART 1 (Required to be Completed for All Interconnection Requests)

REQUESTOR/APPLICANT INFORMATION

Requestor Name:				
Mailing Address:				
City:			State:	Zip:
Email Address:				
Phone Number:		Fax Number:		
DISTRIBUTED GENERAT				
Requestor Cooperative Account	t Number:			
Cooperative Map Location Num	nber:			
Physical Address of Site:				
City:	County:	<u></u>	State:	Zip:
PROJECT DESIGN/ENGIN	NEERING (ARC	HITECT) (as app	olicable)	
Company:				_
Contact Name:			n Number:_	_
Mailing Address:				
City:				Zip:
Email Address:				
Phone Number:				

ELECTRICAL CONTRACTOR (as applicable)

Company:			
Contact Name:	Licens	se/Registration Number	:
Mailing Address:			
City:	County:	State:	Zip:
Email Address:			
Phone Number:		Fax Number:	
TYPE OF GENERATO	R		
☐Photovoltaic ☐Wind ☐	☐Microturbine ☐Diesel Engin	e □Gas Engine □Co	mbustion Turbine
☐Battery ☐Other:		-	
CERTIFICATION			
For inverter-based installa If yes, please provide evide	tions, is the inverter UL 1741 cence of certification.	ertified? □Yes □No	
ESTIMATED LOAD A	ND GENERATOR RATIN	IG INFORMATION	
~	is necessary to help properly d ormation is not intended as a c	•	
Total Nameplate Rating:	kW-AC	kW-DC	kVAR
Minimum during production	on hours: Maxim	um during production h	ours:
Annual Est Generation:	(kWh) Net Annu	al Est Energy Consumpti	on:(kWh)
DESCRIPTION OF PR	OPOSED DGP INSTALL	ATION AND OPERA	ATION
	proposed DGP installation, inconnection, structure(s) to be s		

to operate the DGP generator.

ADDITIONAL INFORMATION

In addition to the items listed above, please attach a detailed one-line diagram of the proposed DGP and any related facility, all applicable elementary diagrams, 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. Also describe the DGP's planned operating mode (e.g., combined heat and power, peak shaving, etc.), and its address or grid coordinates.

PART 2 (Required to be Completed for Interconnection Requests Exceeding 10 kW)

(Complete all applicable items. Copy pages as required for additional generators.)

SYNCHRONOUS GENERATOR DATA

Unit Number:		Manufacturer:		
Total number of units with listed				
Type:		ate of manufac	ture:	
Serial Number (each):				
Phases: □Single □Three	R.P.M.:			
Rated Output (for one unit):		Kilowatts _	K	ilovolt-Amperes
Rated Power Factor (%):	Rated Voltag	e (Volts):	Rated Amperes	S:
Field Volts: Field Amps: Motorin	g power (kW):			
Synchronous Reactance (Xd):		% or	າ	KVA base
Transient Reactance (X'd):		% or	າ	KVA base
Subtransient Reactance (X"d): _		% or	າ	KVA base
Negative Sequence Reactance ()	(₂):	% or	າ	KVA base
Zero Sequence Reactance (Xo):		% or	າ	KVA base
Neutral Grounding Resistor (if a	oplicable):			
Additional information:				
INDUCTION GENERATOR	DATA			
Motoring power:	kW	Equivalent	MVA base:	MVA
Rotor Resistance (Rr):		Stator Resi	stance (Rs):	
Rotor Reactance (Xr):				
Magnetizing Reactance (Xm):	ohms	Short Circu	iit Reactance (Xd"):_ohn	ns
Design letter:		Frame S	ize:	
Exciting Current:		Temp Ri	se (deg C°):	
Reactive Power Required:	v	ars (no load),	Var	s (full load)
I ₂ ² t or K (heating time constant)				
Additional information:				
PRIME MOVER (Complet	e all applicab	le items)		
Unit Number:	[Manufacturer:		
Type:				
Serial Number:				
H.P. Rated:			Inertia Constant:	lbft. ²
Energy Source (hydro, steam, wi				

GENERATOR TRANSFORMER (between generator and utility system; if supplied by applicant)

Generator unit number:	Date of manufacturer:	
Manufacturer:	Serial Number:	
Size:kVA		
High Voltage:K	V, Connection: \square delta \square wye, Neutral solidly gro	ounded? □Y □N
Low Voltage:K	V, Connection: \square delta \square wye, Neutral solidly gro	ounded? □Y □N
Tertiary Delta Winding: Y/N		
Transformer Impedance(Z):	% on	KVA base
Transformer Resistance(R):	% on	KVA base
Transformer Reactance (X):	% on	KVA base
Neutral Grounding Resistor (if app	olicable):	
Transformer Fuse (if applicable)—	Manufacturer:Type:Size:	Speed:
INVERTER DATA (if appli	cable)	
Type commutation: □self □line		
	Model:	
Rated Power Factor (%):	Rated Voltage (Volts): Rated A	mperes:
	, pulse-width modulation, etc):	
Harmonic Distortion: Maximu	m Single Harmonic (%)	
	m Total Harmonic (%)	
	ions, test reports, and oscillographic prints showin	
voltage and current waveforms.		,
POWER CIRCUIT BREAKE	R (if applicable)	
Manufacturer:	Model:	
Rated Voltage (kilovolts):	Rated ampacity (Amperes):	
Interrupting rating (Amperes):	BIL Rating:	
Interrupting medium / insulating	medium (ex. Vacuum, gas, oil):	
Control Voltage (Closing):	(Volts) □AC □DC	
	(Volts) \Box AC \Box DC \Box Battery \Box Char	ged Capacitor
Close energy: □Spring □Motor □I	lydraulic □Pneumatic □Other:	
	vdraulic □Pneumatic □Other:	
	(Max. ratio), Relay Accuracy Class:	
Multi ratio?: ☐No ☐Yes: (Availab		

PART 3 (Required to be Completed for All Interconnection Requests)

SIGNATURES AND QUEUE DATE

The Requestor agrees to provide the Cooperative with any additional information required to complete the Interconnection. The Requestor shall operate Requestor's DGP and related equipment within all applicable contractual obligations, policies, and guidelines set forth by the Cooperative.

Requestor	Date	
PART 4		
FOR COOPERATIVE USE ONLY		
Map Location #:		
Size of Service / Type of Meter:		
Special Provisions:		
Substation:	Feeder:	
Requestor Interconnection Application and (Confirmation of Payment Receiv	ved
Requestor Interconnection Application and G	•	
	□paid Analysis Deposit:	
Application Fee:	paid Analysis Deposit:a.m.	
Application Fee:	paid Analysis Deposit:a.m.	
Application Fee: Holding Date: Initial (Cooperative Representative):	□paid Analysis Deposit:a.m.	
Application Fee: Holding Date: Initial (Cooperative Representative): Queue Date:	□paid Analysis Deposit:a.m.	
Application Fee: Holding Date: Initial (Cooperative Representative): Queue Date: Initial (Cooperative Representative):	□paid Analysis Deposit:a.m.	

Annotated copy with Holding Date included to be provided to the Requestor