Cherokee Electric Cooperative



ONSITE GENERATION INSTALLATION PROCEDURES

Initial Approval Date:

July, 2021

GENERAL PROCEDURES

Cherokee Electric Cooperative (CEC) currently has no Program or Policy in place which would allow a Member to connect any form of onsite generation to the CEC Distribution System.

CEC will not purchase any energy generated by any Member.

Any form of onsite generation must be designed to feed only onsite loads (or a portion thereof). There must be an onsite disconnect as shown on Attachment 1. This disconnect must be fully accessible to CEC, at all times. It must be labeled as shown on Attachment 1, and lockable (via a padlock). Prior to utilizing onsite generation of any type to feed all, or any portion, of the Member's onsite loads, Member shall have this switch in the Open Position, locked, so as to prevent any connection to the CEC Distribution System. Attachment 1, although showing a solar installation, is applicable for any source of onsite generation.

CEC must be fully aware of, and approve, any Member owned onsite generation. Therefore, prior to installation of any onsite generation, the Member must apply, using Attachment 2 or 3 as applicable. Only after the proposed installation has been approved, in writing, by CEC, can the Member install the onsite generation. If approval is not given by CEC, then CEC may disconnect electric service to Member until such approval is provided by CEC.



CHEROKEE ELECTRIC COOPERATIVE

APPLICATION FOR INSTALLATION OF ONSITE GENERATION

Tier 1 (1 kW – 50 kW)

This Application is considered complete when it provides all applicable and correct information required below.

Member Information		
Name:		
Address:		
City:	State:	Zip:
Location of Proposed Generation (if	different):	
Telephone (Day):	(Evening):	
E-Mail Address:		
Electric Service Account Number:		
ELECTRICAL CONTRACTOR		
Name:		
Address:		
City:	State:	Zip:
Phone Number:	Representative:	
Email Address:		
Contractor's License #:	City/County/State:	
GENERATING FACILITY INFORMATIO	DN	
Inverter Manufacturer:	Model	Qty
Nameplate Rating: (kW)	_ (kVA) (AC Volts)	
Single Phase Three Phase	e	
System Design Capacity:	(kW) (kVA)	
Energy Source: Solar 🗌 Wind 🗌	Hydro 🗌 Other (describe)	
Attach support information to show compliance with applicable codes ar	testing and listing by a Nationand standards.	Illy Recognized Laboratory for
Estimated Installation Date:	Estimated In-Service I	Date:
	1 - (2	

1 of 2 ATTACHMENT 2

List components of the Generating Facility equipment package that are currently certified:

Equipment Type 1.	(Certifying Entity
2.		
3		
4		
5	-	

ADDITIONAL INFORMATION – Single Line Diagram

In addition to the items listed above, attach a detailed single-line diagram of the proposed facility, all applicable elementary diagrams, major equipment, (generators, transformers, inverters, circuit breakers, protective relays, batteries, number and location of PV Panels, meter, disconnect switch, etc.) specifications, test reports, etc., and any other applicable drawings or documents necessary for the proper installation. Also provide the address or grid coordinates of the facility.

Note: Basic examples of single line diagram can be seen in Attachment 1. However, Member must provide much more detail on items being supplied and installed, as discussed above.

NO INTERCONNECTION PERMITTED

Member must not operate its generating facility in parallel with CEC's system. Parallel operation could result in injury to persons and /or damage to equipment and/or property for which the Member shall be liable.

MEMBER SIGNATURE

I hereby certify that, to the best of my knowledge, the information provided in this Application is true.

Signed: _____

Title: Date:

CHEROKEE ELECTRIC COOPERATIVE

APPLICATION FOR INSTALLATION OF ONSITE GENERATION

Tier 2 (Greater than 50 kW)

This Application is considered complete when it provides all applicable and correct information required below.

Member Information			
Name:			
Address:			
City:	State:	Zip:	
Location of Proposed Generation (if o	different):		
Telephone (Day):	(Evening):		
E-Mail Address:			
Electric Service Account Number:			
PROJECT DESIGN/ENGINEERING (as Name:	applicable)		
Mailing Address:			
City:	State:	Zip:	
Phone Number:	Representative:		
Email Address:			
PE License:	State:		
ELECTRICAL CONTRACTOR			
Mailing Address:			
City:	State:	Zip:	
Phone Number:	Representative:		
Email Address:			
Contractor's License #:	Citv/Countv/State:		

ATTACHMENT 3

GENERATING FACILITY INFORMATION

Photovoltaic:	Wind:		Other		
System Rating:	(kW)	Annua	al Estimat	ed Generation:	(kWh)
(Copy this page as required fo	r additiona	l generato	ors)		
SYNCHRONOUS GENERATOR	DATA (if a	oplicable)			
Identification per Single Line [Drawing:				
Total number of units with list	ted specific	ations on	site:		
Manufacturer:					
Туре:		Date of N	/Janufact	ure:	
Serial Number (each):					
Phases: Single Three		R.P.M.:		Frequency (Hz):	
Rated Output (for one unit):			Kilowatt	Kil	ovolt-Ampere
Rated Power Factor (%):	Rated \	/oltage (V	olts):	Rated Ampere	es:
Field Volts: Fiel	d Amps:		Motor	ing power (kW):	
Synchronous Reactance (Xd):			_ % on		KVA base
Transient Reactance (X'd):			_% on		KVA base
Negative Sequence Reactance	e (Xs):		_ % on		KVA base
Sequence Reactance (Xo):			_% on		KVA base
Neutral Grounding Resistor Si	ze (if applic	able):			
I ₂ ² t or K (heating time constar	nt):				
Additional information:					
	Δ (if annlic	ahle)			
		abicy			
Rotor Resistance (Rr):		ohms	Stator R	lesistance (Rs):	ohms
Rotor Reactance (Xr):		ohms	Stator R	leactance (Xs):	ohms
Magnetizing Reactance (Xm):		ohms	Short Ci	rcuit Reactance (Xd"	'):ohms
Design letter:		Frame S	ize:		
Exciting Current:		Temp R	ise (deg C	2°):	
Reactive Power Required:		VARS (n	o load): _		
VARS (full load) Additional infe	ormation:				

ATTACHMENT 3

PRIME MOVER (if applicable)

Identification per Single Line Diag	ram Unit Number:
Туре:	
Manufacturer:	
Serial Number:	Date of manufacture:
H.P. Rated:H.P. Max.: _	Inertia Constant: lbft. ²
Energy Source (hydro, wind, etc.)	
INVERTER DATA (if applicable)	
Manufacturer:	Model:
Rated Power Factor (%):	_Rated Voltage (Volts): Rated Amperes:
Inverter Type (ferroresonant, step), pulse-width modulation, etc):
Single or Three Phase	Type commutation:forced line
Harmonic Distortion: Maximum Si	ingle Harmonic (%) Maximum Total Harmonic (%)
POWER CIRCUIT BREAKER (if app	licable)
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
Control Voltage (Tripping):	(Volts) AC DC Battery Charged Capacitor
Close energy: Spring Motor	Hydraulic Pneumatic Other:
Trip energy: Spring Motor	Hydraulic Pneumatic Other:
Bushing Current Transformers:	(Max. ratio) Relay Accuracy Class:
Multi ratio? No Yes: (Availabl	e taps)
Description of Control System	

Attach support information to show testing and listing by a Nationally Recognized Laboratory for compliance with applicable codes and standards.

Estimated Installation Date: Estimated In-Service Date: List components of the Generating Facility equipment package that are currently certified:

Equipment Type	Certifying Entity
1	
2	
3	
4	
5	

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MEMBER SIGNATURE

I hereby certify that, to the best of my knowledge, the information provided in this Application is true.

Signed:

Title: Date: