

**WOOD COUNTY ELECTRIC COOPERATIVE, INC.
METER LOOP SPECIFICATIONS
FOR SINGLE PHASE THREE WIRE SERVICE**

As required by Wood County Electric Cooperative, Inc., P.O. Box 1827, Quitman, Texas 75783, 1-800-762-2203 or 1-903-763-2203, office hours 8:00 to 5:00 Monday through Friday.

Notice: The following information is derived from various sections of the 2005 National Electrical Code (NEC). This information does not portend to accurately portray all possible variations of service installations, nor is it an exhaustive report of the NEC standards. Although Texas state law allows electrical work to be performed in or on a dwelling by a person who owns and resides in the dwelling, WCEC strongly urges members to seek qualified assistance from a state licensed electrician. It is the responsibility of, and incumbent on the part of the installer, to at all times and all cases adhere to the requirements of the governing issue of the National Electrical Code and the National Electrical Safety Code. WCEC will furnish the meter bases to be installed by the member on a service connected to the WCEC system.

WCEC has available meter bases rated 200 and 320 amps for overhead and underground services. The maximum service entrance conductor size that shall be allowed with each meter base is: 200 Amp Base – up to 350 MCM; 320 Amp Base – up to dual 350 MCM. Hub sizes provided are 1”, 1 ¼”, 1 ½”, 2”, 2 ½”, and 3”.

Minimum Conductor Size in Meter Loop

The Minimum size “hot” conductors shall be #4 copper or copper equivalent. The neutral conductor shall be the same size as the “hot” conductors or one standard size smaller but not smaller than #4Cu. The ampacity of all conductors shall be per the National Electrical Code. See Meter Loop Conductor Chart below for minimum size conductors.

NEC Table 310.15 (B) (6)		
Service Rating	Conductor Size for 120/240V 3-Wire Dwelling Service	
	Copper	Aluminum
100 amp	#4	#2
125 amp	#2	#1/0
150 amp	#1	#2/0
200 amp	#2/0	#4/0

Clearance Requirements

The weatherhead shall be located sufficiently high enough to provide for minimum clearance, regardless of weather condition, of the service drop conductors as indicated below:

16 feet minimum – unless restricted to only pedestrian traffic

18 feet – over alleys, private roads, commercial parking areas.

Note: Other minimum clearance conditions apply depending on area crossed. The Cooperative may require greater point of attachment heights from the member to facilitate clearance requirements mandated by individual conditions.