

REQUIREMENTS FOR ELECTRIC SERVICE TO MOBILE HOMES

The Cooperative will provide an overhead service to customer's service equipment for a mobile home in accordance with its policies covering such extensions. The customer's service equipment shall be located on a pole adjacent to, but not in or on, the mobile home and shall be rated at not less than 100 amperes. The pole, service equipment and feeder assembly must be properly sized and installed as shown on the diagram on the back page of these instructions. The installation must conform to the current edition of the National Electric Code, particularly Article 550.

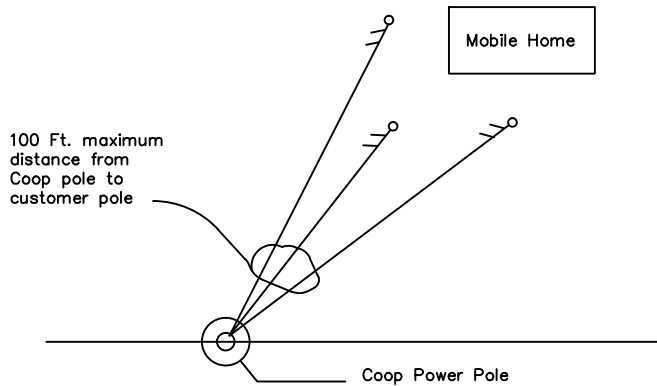
Minimum conductor sizes (Conductor type must be RH, RHH, RHW, THHW, THW, THWN, THHN, XHHW, or USE if in conduit. For direct burial, only conductor type "USE" for underground services is acceptable.)

Outside Main Disconnect	Maximum Inside Main	Service Entrance And Feeder Conductors	Equipment Grounding Conductor	Grounding Electrode Conductor (to rod)	Minimum Conduit Size
100 AMP	100 AMP	2-#2 Aluminum, 1-#2 Neutral or 2-#3 Copper, 1-#3 Neutral	1-#6 Insul. Copper Green	#6 Bare Copper	1-1/4 inch
125 AMP	125 AMP	2-1/0 Aluminum, 1-#2 Neutral or 2-#1 Copper, 1-#3 Neutral	1-#6 Insul. Copper Green	#6 Bare Copper	1-1/2 inch
150 AMP	150 AMP	2-2/0 Aluminum, 1-#1 Neutral or 2-1/0 Copper, 1-#2 Neutral	1-#6 Insul. Copper Green	#6 Bare Copper	1-1/2 inch
200 AMP	200 AMP	2-4/0 Aluminum, 1-2/0 Neutral or 2-2/0 Copper, 1-#1 Neutral	1-#6 Insul. Copper Green	#4 Bare Copper	2 inch

Four (4) conductors are required between the outside main disconnect and the inside main in the trailer. All (4) of the conductors must be insulated. One of the 3 insulated conductors must be identified as the neutral conductor. The fourth wire will be a green #6 copper equipment grounding conductor. All conductors must be the proper size rigid metal conduit or Schedule 40 Rigid PVC conduit.

Some Acceptable Locations of Customer Pole

The Cooperative's overhead electric service drop will not be installed over the mobile home. The Customer pole should be in direct line with, and not over 100 feet from the Cooperative power pole. The Customer pole must also be located not more than 30 feet from the side of the mobile home.



			DATE: 8-8-90	JOE WHEELER ELECTRIC MEMBERSHIP CORP. HARTSELLE, ALABAMA	SCALE:
			DRAWN BY: B.C.		McWHORTER & FRANKLIN ENGINEERS NASHVILLE, TENNESSEE
1	UPDATED PER NESC	6/4/13	APP'D BY: S.K.C.		
NO.	REVISION	DATE			