



METER LOOP SPECIFICATIONS

Wire Size per Switch/Breaker Box

The size of conductor is determined by switch box or breaker box size. Reduced neutral will not be allowed. The consumer shall have a main disconnect that meets or exceeds the current NEC RULES.

SIZE OF LOOP	SINGLE PHASE RESIDENTIAL		ALL OTHERS	
30 amp (stock water well only)			----	
60 amp			# 4 Cu	# 3 Al
70 amp			# 2 Cu	# 2 Al
100 amp	# 4 Cu	# 2 Al	# 2 Cu	1/0 Al
125 amp	# 2 Cu	1/0 Al	#1 Cu	2/0 Al
150 amp	# 1 Cu	2/0 Al	# 1/0 Cu	4/0 Al
175 amp	# 1/0 Cu	4/0 Al	# 2/0 Cu	4/0 Al
200 amp	# 2/0 Cu	4/0 Al	# 3/0 Cu	250 Al

Wire sizing should meet current NEC rules if they change from the table above.

Conduit Size for "Above Roof-Line" on a house Must be Rigid Metal Conduit

DISTANCE OF SERVICE	CONDUIT SIZE
100' or Less	2"
Over 100'	2 ½"

Conduit Size for All Other Overhead Applications Conduit must be EMT or Rigid

METER BASE AMPERAGE	CONDUIT SIZE
50 amp	1"
100-150 amp	1 ¼"
200 amp	2"

1. The consumer's responsibility begins at the service entrance **weatherhead** on **overhead applications**. Contact CCECA's Engineering Department for details.
2. The consumer's responsibility begins at the service entrance **elbow** on **underground applications**. Contact CCECA's Engineering Department for details.
3. Upon notification of a completed and approved meter loop, the Cooperative will connect service and install a meter.
 - Meter pole size where applicable, will be determined by a Cooperative Representative.
 - Mobile Homes must use a permanently installed meter pole located not more than 30 feet from the Mobile Home that it serves per Current NEC Rules.
 - No consumer owned items are to be installed on cooperative owned equipment.
 - No meter pole will have more than two (2) meter loops.

TABLE OF CONTENTS

OVERHEAD SERVICE	1-5
TEMPORARY METER POLE	1
OVERHEAD METER POLE	2
MULTIPLE OUTLETS	3
ABOVE ROOFLINE	4
BELOW ROOFLINE	5
UNDERGROUND.....	6-8
TEMPORARY FREE STANDING	6
SERVICE METER LOOP	7
FREE STANDING METER LOOP	8
DISTRIBUTED GENERATION.....	9-11
GENERATOR TRANSFER SWITCH UG FREE STANDING METER LOOP	9
GENERATOR TRANSFER SWITCH OH METER LOOP	10
SOLAR TRANSFER SWITCH UG METER LOOP	11

OVERHEAD SERVICE

UNDERGROUND SERVICE

DISTRIBUTED GENERATION

