



**COAST  
ELECTRIC**

# **NEW SERVICE**

**EQUIPMENT**

**REGULATIONS**

**REQUIREMENTS**



[www.coastelectric.coop](http://www.coastelectric.coop)



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# CONNECTING TO COAST ELECTRIC

This booklet contains information about the equipment needed to bring electricity to your home or business. Our requirements are considered supplementary to the National Electrical Code and any other state or local laws and ordinances.

Information in this booklet refers primarily to the service entrance requirements at the usual secondary voltages for both residential and commercial installations. Single phase, 120/240 volt is the only secondary voltage permitted for residential installations. Commercial installations requiring higher distribution voltages and service entrances greater than 200 amps are available and can be requested through our engineering technicians or engineering department.

## APPLICATIONS FOR SERVICE

Coast Electric accepts applications for service at any of its six office locations, by phone, online and by fax. When necessary, members shall provide easement (at no expense to Coast Electric), suitable locations and space for the poles, transformers,

meters and other accessories necessary to supply electric service.

**Prior to Coast Electric performing work on members' properties, members must first acknowledge they have read and understand the Coast Electric Application for Membership and Service Contract.**

## INSPECTIONS AND PERMITS

All wiring shall conform to the requirements of the National Electrical Code and to state, municipal and county inspection requirements. Where permits, inspections and registrations are required by law, the applicant must provide Coast Electric with the documents showing such has been applied for, accepted and inspected. Please check with local city and county building officials and inspectors before making your request for electric service.



CITY AND COUNTY PERMIT OFFICES

HANCOCK COUNTY

Hancock County Tax Assessor .....	228-467-5727
City of Bay St. Louis .....	228-469-0531
City of Waveland .....	228-466-2549
Zoning Commission .....	228-467-4425

HARRISON COUNTY

Harrison County Tax Assessor .....	228-865-4044
Code Administration .....	228-832-1622
City of Gulfport .....	228-868-5715
City of Long Beach .....	228-863-1554
City of Biloxi .....	228-435-6270
City of D'Iberville .....	228-392-9278

PEARL RIVER COUNTY

Pearl River County Tax Assessor .....	601-403-2211
Pearl River County .....	601-403-2224
City of Picayune .....	601-798-9770

WORKING TO KEEP YOU SAFE

Coast Electric does not permit the attachment of any unauthorized equipment, such as signs, antennas, security lights, etc., to its utility poles.

Buildings, antennas or other structures are not to be constructed or installed within the minimum distances established by the National Electrical Safety Code or, in the case of antennas, within falling distance of any existing power line.

Crane operators, house movers or anyone working near overhead power lines should contact Coast Electric before beginning their work to obtain safe line clearances.



**KILN OPERATIONS CENTER  
(HEADQUARTERS)**  
18020 Highway 603  
Kiln, MS 39556  
P.O. Box 2430  
Bay St. Louis, MS 39521-2430  
*Drive-through & Kiosk Service Only*



**BAY ST. LOUIS**  
1005 Highway 90  
Bay St. Louis, MS 39521



**BILOXI**  
905 Cedar Lake Road  
Biloxi, MS 39532



**GULFPORT**  
14082 Highway 49  
Gulfport, MS 39503



**PICAYUNE**  
6375 Highway 11 North  
Picayune, MS 39466



**POPLARVILLE**  
4679 Highway 53 South  
Poplarville, MS 39470

OFFICE LOCATIONS

Coast Electric is headquartered in Kiln, Miss. We have two district offices and three branch offices to make it easy for our members to visit us. Office hours are 8 a.m. until 5 p.m., Monday through Friday. Should you have an outage or other service need after regular office hours, please call 877-769-2372.

Outages can be reported at [www.coastelectric.coop](http://www.coastelectric.coop), through our CE on the Go mobile app or by texting “Outage” to 352667 if you have a mobile number associated with the account.

Dispatchers and repair crews are on 24-hour standby to assist you.

STAY CONNECTED

Download the **CE on the GO** app to report outages, pay your bill and more.



**877-769-2372**  
**[www.coastelectric.coop](http://www.coastelectric.coop)**



# INTERRUPTION AND LIABILITY

While Coast Electric strives to provide continuous service, there is no guarantee of uninterrupted service, and the company has no liability for damage which may be sustained by reason of the failure or partial failure of power, failure or reversal of phases or variation in service characteristics whether caused by an accident, repairs, storms or other causes; nor is the company liable for damages that may be incurred by the use of service wiring, connections, instruments, services or appliances installed by or for the member; nor is the company liable for damages that may be incurred due to the presence of the company's property on the member's premises. It is the responsibility of the member to provide and maintain adequate relays and circuit breakers to protect against single-phase and phase reversal conditions on three-phase service installations.



# SERVICE ENTRANCE

Coast Electric service, engineering or staking personnel will determine the location for the point of service and metering equipment. We will work with you and your contractor during the site selection; however, we assume no responsibility to change the location of the service entrance should it be improperly installed or if our site location is not utilized.

## METER LOCATION

To avoid delays, please meet with our representatives before installing your equipment. The service entrance/meter pan or house power panel must be installed on exterior walls and should be placed in locations that are easily accessible to our employees for meter maintenance, inspection and removal.

## TEMPORARY SERVICE

When you need electric service during construction, Coast Electric will connect single-phase temporary service. The temporary power pole, wiring and equipment are to be supplied by the member and installed by your contractor, builder or electrician. Temporary outlets should be placed

at lot lines or lot corners, where existing transformers or pedestals are located. If the property is 150 feet or more from existing lines, we ask that you meet with our staking technicians to determine the location of your temporary meter outlet.

## SERVICE DROPS AND METERS

Coast Electric will connect only one set of drop conductors per building except as permitted by the National Electrical Code. All meters are supplied and installed by Coast Electric and remain the property of the cooperative.

Members should consider installing a meter socket above the base flood elevation on elevated homes or buildings. The meter socket shall be accessible from a permanent platform, deck or porch. Coordination with the local Coast Electric office is highly recommended. Meter sockets shall not be enclosed in rooms, closets or other inaccessible areas.

## METER TAMPERING AND SEALS

Mississippi Code prohibits the tampering and unauthorized breaking of Coast Electric meter seals. The offense is a misdemeanor and is subject to penalty, fines and prosecution.

## CONNECTIONS

All connections between distribution lines and the service entrance are performed by Coast Electric personnel only. Other individuals are not authorized to make these connections.

## FEES AND CHARGES

Coast Electric has established fees and charges based on the reasonable and customary standard for our industry and local area. Visit [www.coastelectric.coop](http://www.coastelectric.coop) for information about fees and charges.







# UNDERGROUND SERVICE

If you are interested in underground service to your new home, please contact our engineering department. In areas where overhead services are normally installed, Coast Electric will provide the underground service based on aid-to-construction costs. Check with your local office or visit [www.coastelectric.coop](http://www.coastelectric.coop) for the latest charges.

## CHANGING RESIDENTIAL OVERHEAD SERVICE TO UNDERGROUND SERVICE

Aid-to-construction costs are also applicable when existing residential overhead service is changed to underground service. A retirement cost is also charged based on the overhead line footage removed.

## COMMERCIAL ACCOUNTS

Requests for electric service to new commercial, industrial accounts and subdivisions should be made to our district engineering technicians or engineering department. Our employees will work with you on plant design, lot layout and other specifications.

**FOR INFORMATION, PLEASE CONTACT OUR  
ENGINEERING AND OPERATIONS DEPARTMENT AT 877-769-2372.**

# SPECIFICATIONS

## CLEARANCES

Ground clearance is the final measurement from the bottom-most conductor, including the drip loop, to the final finished grade. Members will provide a minimum ground clearance of no less than 12 feet.

### AMERICAN WIRE GAUGE SIZES REQUIRED

RESIDENTIAL		COMMERCIAL	
Type RH, RW, RHW, THHN or equivalent		Type RH, RW, RHW, THHN or equivalent	
Ampacity	Minimum Size Copper	Ampacity	Minimum Size Copper
100	#4	60	#6
125	#2	100	#3
150	#1	125	#1
200	#2/0	150	#1/0
400	#400 MCM	200	#3/0
		400	#500 MCM

## SERVICE ENTRANCE CONDUCTORS

1. All service entrance (SE) conductors shall be of sufficient size to conform with the rated capacity of service entrance equipment.
2. SE cable or single wires in conduit may be used. SE cable must be supported every 24 inches.
3. Each conductor must extend at least two feet beyond the service head.
4. Splices are not permitted in the service entrance conductors.
5. Flexible cord such as welding cable is not permitted.
6. Grounded conductors or neutral may be one size smaller than the largest ungrounded conductor.
7. Some local electrical codes will not allow aluminum for service entrance conductors.

## MAST

1. For a residential service entrance of 200 amps or less, the mast extending through the roof must be constructed of two-inch I.D. rigid galvanized metal conduit.
2. The minimum length of mast extending above the roof is 36 inches to the top of the weatherhead.
3. The maximum length extending above the roof is 42 inches to the top of the weatherhead.
4. The mast must be sufficiently braced to support the service conductors and must be located at a point on the building

- where the service conductors from the pole will not overhang the roof (except the overhanging eave).
5. The mast must be attached to the structure with conduit straps not over two feet apart.
  6. Mast couplings are permitted only below the roof line and must be visible from the exterior of the structure.

## GROUND WIRE

1. Services less than 200 amps must have a minimum ground wire size #4 solid bare copper. Check with local building inspectors for services greater than 200 amps.
2. All service entrances must be grounded to the proper lug of the meter base.
3. The ground wire shall be without splice and continuous from the meter base to the grounding electrode.
4. The ground wire must not pass through the disconnect device if the device is not part of the meter receptacle.
5. Ground wire is to be located on the outside of the structure.
6. Ground wire must be securely fastened to the structure with approved staples, clamps, etc.
7. If the bottom level of a structure on pillars is more than 18 inches above the ground level, the ground wire will be properly protected in a pipe or conduit or fastened to wood or masonry with approved staples, clamps, etc.



## GROUNDING ELECTRODE

1. Electrodes of pipe or conduit should not be smaller than 3/4 inch and must be galvanized.
2. Copper clad or galvanized rods may not be smaller than 5/8 inch. Nonferrous rods shall not be less than 1/2 inch.
3. Rod and pipe electrodes are to be no less than eight feet in length.
4. Metal tubing such as EMT is not to be used for the grounding electrode.
5. If a metallic water system is present, it may not be used in lieu of a grounding electrode but may be used in conjunction with it.

## CONNECTION BETWEEN GROUND WIRE AND GROUNDING ELECTRODE

The connection between the ground wire and electrode must be easily accessible and not be covered by concrete or any other substance. The ground clamp must be of an approved type of service entrance grounding. Radio and television-type band clamps are not acceptable.

## DISCONNECT DEVICES

Disconnection devices must consist of not more than six switches, circuit breakers or draw-out fuses in a common enclosure or

accessible group of separate enclosures. An accessible group is described as follows: disconnecting devices are located at one point with no intervening partitions or walls and can be easily reached from one point. In an outdoor meter combination type of disconnect device (house power panel), only two pole breakers may be installed.

The minimum size or rating of the service equipment to a single-family residence shall not be less than 100 amp, three-wire.

## LOCATION OF DISCONNECT

The service disconnecting means shall be installed at a readily-accessible location either outside of a building or structure or inside the nearest point of entrance of the service conductors. An outside disconnect is strongly recommended for both residential and commercial members where permissible by the local city and county building officials and inspectors. Service disconnecting means shall not be installed in bathrooms.

## SINGLE POINT GROUNDING

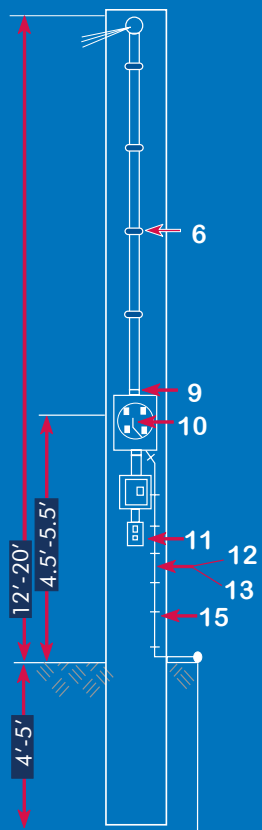
Single point grounding is defined as a grounding system using a single point, usually the Master Ground Bar with connections grouped to confine lightning and power surge activity. This is the point for establishing a common reference plane, with respect to

earth ground, for the entire system. This will provide a zero reference potential to ground for an entire system. While the voltage at this connection point may rise above zero volts-to-earth-ground under fault conditions, the entire system will also rise at the same rate to the same voltage. This helps minimize any circulating currents between components from lightning or power surges.

## GENERAL

1. All cable, equipment and devices must be securely attached to the supporting structure.
2. All equipment and devices installed outside and exposed to the elements must be of the approved weatherproof type.
3. The height of the meter base cannot be less than 4 1/2 feet nor more than 5 1/2 feet from center to finished ground level. If the meter base exceeds required heights, a permanent platform must be installed to maintain proper working heights.
4. All holes in the meter base and switch box must be closed with knock-out plates.
5. The point of attachment of the service drop wires will be selected so that the wires will not interfere with windows, doors, awnings or other parts of the building and must be kept three feet away from windows, doors, porches or other accessible areas.
6. Branch circuits are not to be supplied from the meter sockets.





## GUIDE FOR WIRING METERING POLE (FIGURE 1)

1. Extend wires at least two feet beyond the weatherhead.
2. Use 4"x6" pressure-treated timber or treated pole 16', 20' or 25' in length to maintain minimum ground clearances. Ground depths: 4' for 16' or 20' poles and 5' for 25' pole.
3. Minimum size disconnects for temporary or construction power only: For three-wire services – 60 amp., minimum size wire #6 copper standard.
4. Minimum size disconnect for permanent power is three-wire, 100 amps.
5. SE cable or single wires in conduit may be used.
6. Use pipe or cable straps, not over two feet apart.
7. Ground clearance is from the bottom most conductor of the drip loop to the finished grade level.
8. The minimum ground clearances are:
  - In no case less than 12' (minimum 16' pole)
  - Over roads, streets and other areas subject to truck traffic — 16' (minimum 20' pole)
  - Other clearances shall be determined by the National Electric Safety Code (Table 232-1) — any clearance greater than 16' will require a minimum of a 25' pole.
9. If SE cable is used, a watertight connector must be used here.
10. Ground wire goes under the center lug in the meter base.
11. All switches and outlets exposed to the weather must be weatherproof.
12. Minimum size ground wire to be determined by list on page 15.
13. Staple ground wire securely to pole.
14. Use an approved ground rod clamp.
15. An approved ground rod eight feet long or a 3/4" galvanized pipe eight feet long is required.\*

*\*Local inspections and codes apply.*

## OVERHEAD METER BASE INSTALLATION (FIGURES 2 & 2B)

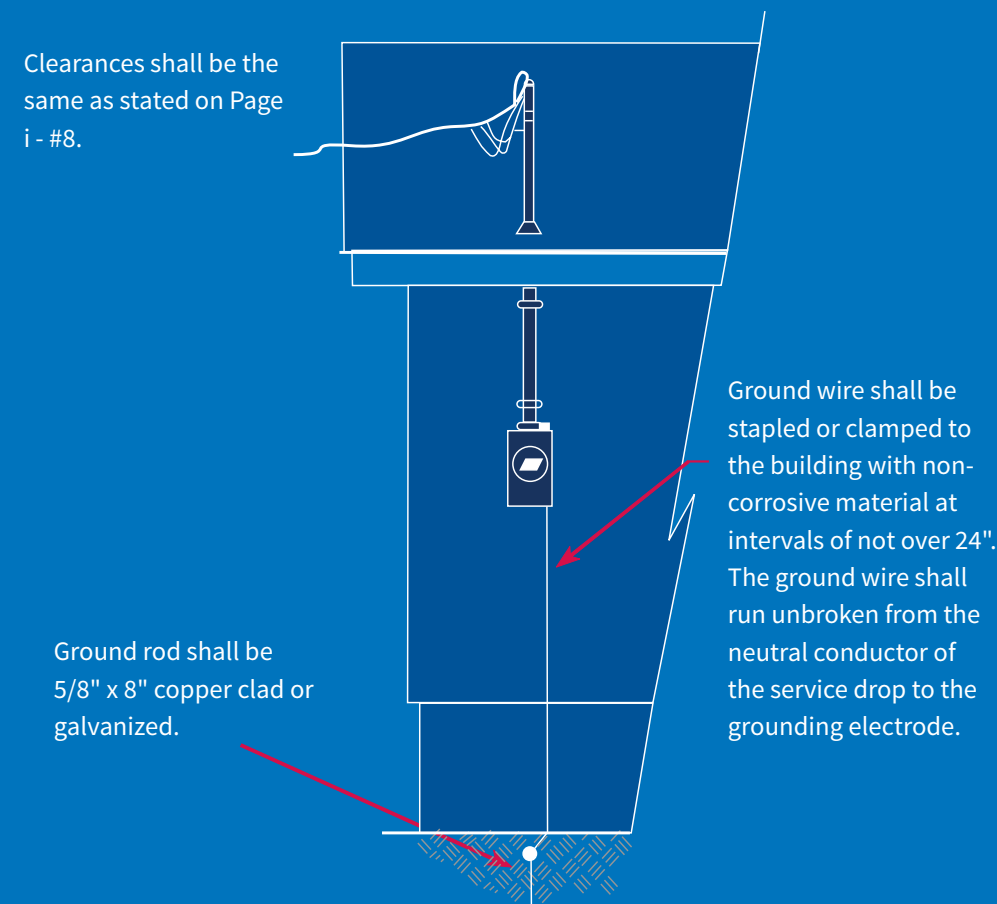


Figure 2



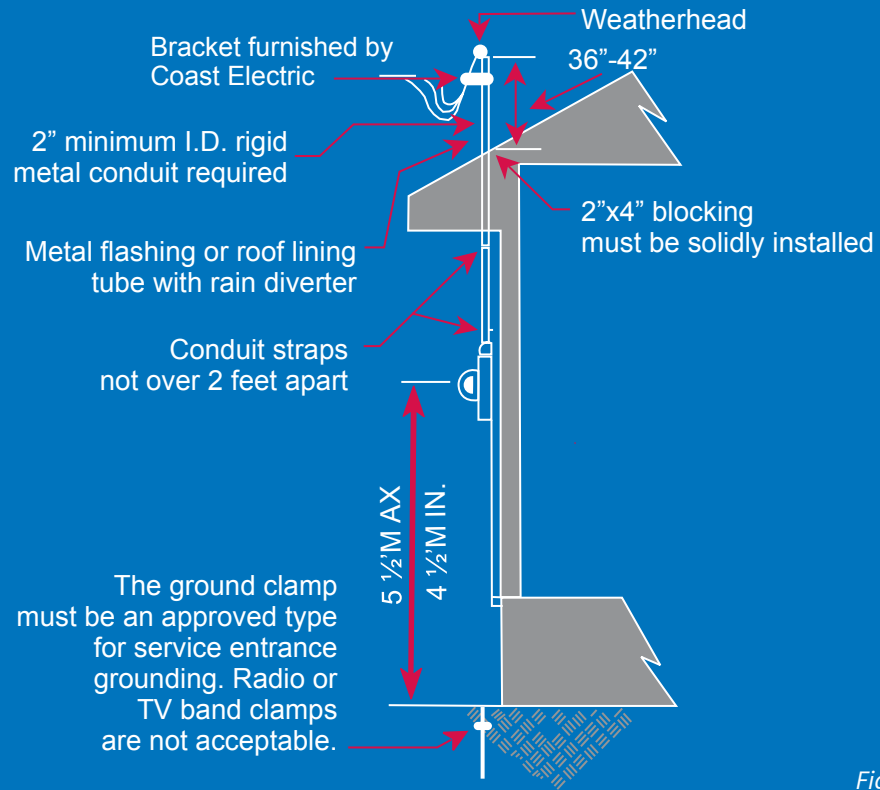
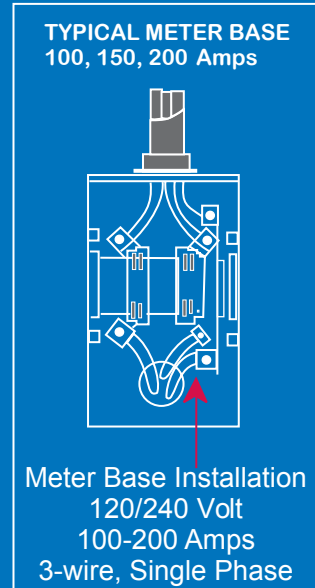


Figure 2b



\*Local inspections and codes apply.

## TEMPORARY CONSTRUCTION UNDERGROUND INSTALLATION (FIGURE 3)

For residential service in subdivisions or to those areas where no overhead is available:

**COAST ELECTRIC WILL SET ALL UNDERGROUND TEMPORARY METER POLES.**

**BUILDER OR ELECTRICIAN IS REQUIRED TO SUPPLY THE FOLLOWING:**

1. Pressure-treated pole or crossarm minimum five feet long.
2. Two-inch diameter schedule 40 or 80 gray PVC pipe length from meter socket to 18 inches below ground level, terminal adapter and lock nut. Schedule 80 required where lines are subject to physical damage.
3. 60-amp breaker box with 60-amp breakers (maximum), three-wire, 120/240 volt. Minimum size wire #6 copper in conduit.
4. Wires are to be extended five feet beyond bottom of pipe.
5. All switches and outlets exposed to weather must be weatherproof.
6. All local inspections and codes apply.
7. Meter panel belongs to member.

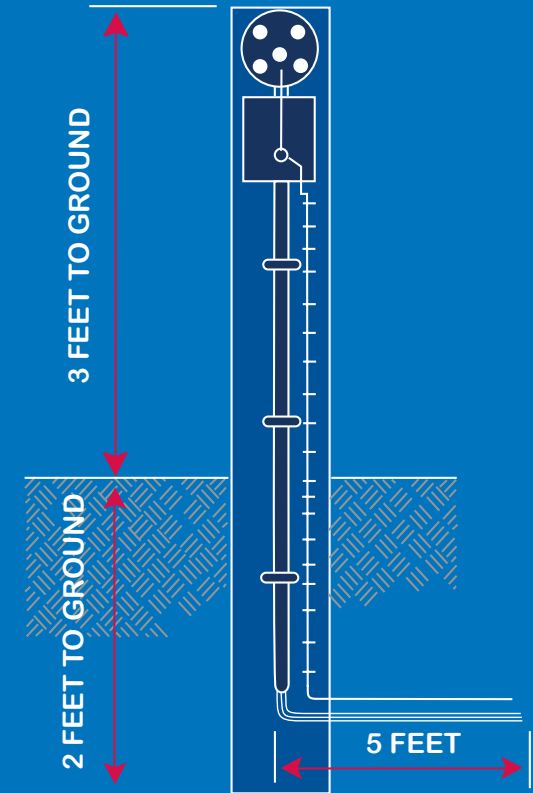
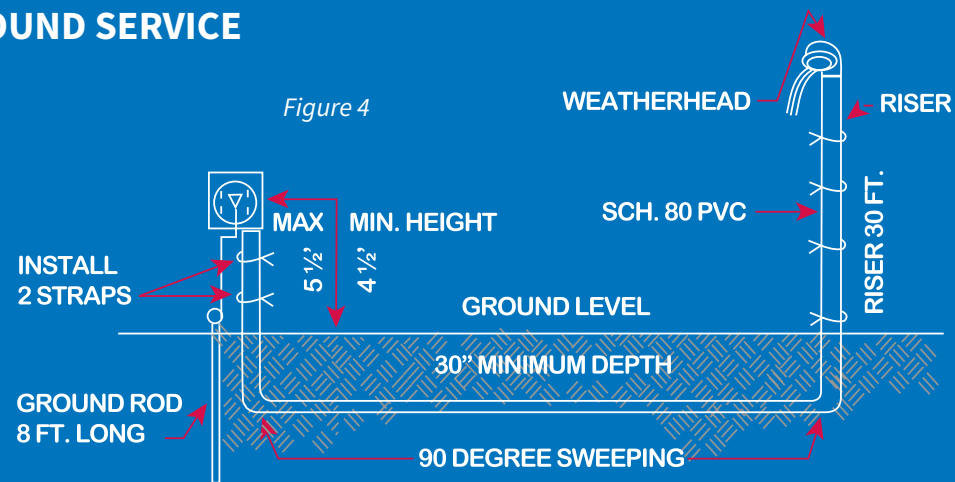


Figure 3

## INSTALLATION FOR UNDERGROUND SERVICE

1. Use 2 ½ " diameter gray PVC or size recommended by local Coast Electric office for 200 amp service or less. For services greater than 200 amps, please check with your local Coast Electric office for conduit sizes. Schedule 80 PVC is required when exposed above ground. Schedule 40 PVC maybe used when buried.
2. Conduit shall be installed a minimum of 30" inches deep with a nylon pull cord extending from the pipe. Please call our service department for inspection before backfilling the trench. Work shall be performed prior to the time of service installation.
3. Use only 90 degree sweeping elbows in turns. No more than 4 ¼ " bends in any installation.
4. Member to supply 30' of schedule 80 gray PVC pipe for riser with appropriate weather head. Coast Electric will install riser pipe on the pole.
5. When ready for final connection, please let our service department know the location of your riser and weatherhead.
6. Meter panel belongs to the member. (An outside disconnect is strongly recommended for both residential and commercial members where permissible by the local building officials/ inspectors.)

*Note: For services to commercial buildings and residential homes constructed by a contractor, home builder, or general contractor, conduit will be required.  
For a complete list of underground charges, please visit [www.coastelectric.coop](http://www.coastelectric.coop).  
For permanent residential service, please coordinate your installation with our engineering or service departments.*





## PLEASE CALL BEFORE YOU DIG - IT'S THE LAW

**MISSISSIPPI ONE CALL CENTER 1-800-227-6477**

Mississippi State Law 77-13-1 requires a minimum of two working days' and a maximum of 10 working days' notice prior to starting excavation.











# COAST ELECTRIC

## STAY CONNECTED

Download the **CE on the GO** app to report outages, pay your bill and more.



**Text** "Join" to 352667  
to pay and report outages via text.

**877-769-2372**

**www.coastelectric.coop**

## PROUDLY SERVING

HANCOCK, HARRISON & PEARL RIVER COUNTIES

This institution is an equal opportunity  
employer and provider.

