

GENERATOR SAFETY WARNING

It is important for the safety of our linemen that we know if you will be using a permanent or portable generator in your home or shop. Backfeed onto the power line from a generator can be fatal to a lineman restoring power. Please call our office to let us know if you will be using a generator in your home or shop.

Generator Installation

The only recommended method to connect a generator to house wiring is by having a qualified electrician install a power transfer switch. This switch must be installed in accordance with the National Electrical Code® (NEC), which is published by the National Fire Protection Association, and all applicable state and local electrical codes. Call a qualified electrician or check with us for installation recommendations.

For power outages, permanently installed stationary generators are better suited for providing backup power to the home. Even a properly connected portable generator can become overloaded. This may result in overheating or stressing the generator components, possibly leading to a generator failure. Be sure to read instructions that come with the generator to make sure you operate it within its limitations for power output.

NOTES for Standby Generator Installation:

1. 100 and 200 amp meter base furnished for new construction and installed by the customer or contractor.
 2. Manual transfer switch must be identified by the manufacturer as "Suitable For Service Equipment" when it is used as the main disconnect.
 3. #6 solid copper wire attached to a dedicated ground lug in the service equipment and attached to the ground rod with an approved clamp encased in 1/2" thin wall or electrical PVC. All metallic components of service equipment must be bonded together in accordance with the National Electrical Code, Section 250.
 4. Ground rod or other National Electrical Code approved grounding electrode. Rod to be 1/2 inch by 10 feet copperweld or equivalent.
 5. Standby generator unit.
 6. Fused generator disconnect.
 7. Customer's distribution panel.
 8. Grounded neutral buss.
 9. Separate equipment grounding buss.
10. All work to be done in accordance with the National Electrical Code and local codes.

Refer questions to the Jasper County REMC Line Superintendent, 219-866-4601.

APPLICATION:

MANUAL TRANSFER SWITCH USED AS THE MAIN DISCONNECT.

TYPICAL STANDBY GENERATOR INSTALLATION

WIRING DETAIL

