



Around the House

From Our Greenwave Electric
Family to Yours

greenWaveelectric

What Greenwave Does:

- **Aluminum Wiring Replacement.**
- **Electrical Safety Inspections.**
- **Home Generators.**
- **Home Re-Wiring.**
- **Electrical Repairs.**
- **Data Cable Wiring Phone TV Satellite.**
- **Lighting.**
- **Residential Pools.**
- **Panel Upgrades.**
- **Service Upgrades.**
- **Surge Protection.**

Benefits of Using Greenwave:

- **On Time Every Time, or We Buy You Dinner!**
- **Professional Technicians.**
- **Up-Front Proposals.**
- **Shoe Covers for Floor Protection.**
- **Detailed Clean-up When We're Finished.**

Do You Need An Electrician?

When you turned the light on to read this newsletter, you probably didn't think about the wires carrying the electricity...most people don't, considering your homes electrical system is hidden in the walls. In addition, many homeowners, knowing little about electrical systems, occasionally will disregard potential problems that their home is trying to tell them about.

Please pay attention to your home, and if any of the following are an issue, call Greenwave Electric. We can help you solve all of your electrical service repair needs.

Are ground-fault circuit interrupter (GFCI) outlets installed where required?

The National Electric Code now requires extra protection for outlets in proximity to wet locations, such as kitchens, baths, laundry rooms, etc.

Do the lights dim when appliances are turned on?

High demand appliances need extra power when they start up, such as a/c units, refrigerators, and clothes dryers. This temporary current can damage sensitive equipment.

Do any electrical switches or outlets feel warm or tingly?

Warm to the touch, or a tingly shock feeling indicates loose or deteriorating wiring connections in the switch or outlet.

Do you have too many plug-in items for a standard outlet to handle, and are using a power strip for the overage?

Doing this creates more current demand than a single outlet can handle and can be a safety hazard.

Does your home have the older two-prong outlets?

Any two-prong outlets should be upgraded to be adequately grounded as a measure of safety against electric shock.

Does Your Electric Service Panel Need Upgraded?

The electric service panel in your home is the heart of your electrical system. When there is a problem within your panel, it can cause your electricity to stop working in your house, or worse yet; can result in a fire in some cases.

If any of the following questions sound familiar, please give us a call at Greenwave Electric, and we can schedule our residential electrician to come do an inspection to ensure that your electric service panel is operating correctly, keeping you and your loved ones safe.

Do circuit breakers in your electric service panel trip often?

When a circuit shuts itself down repeatedly to prevent an electrical overload, it's a warning that you shouldn't ignore.

Is there rust on the electric service panel?

Rust on the panel is indicative of a moisture problem, or that deterioration of the panel has reached an advanced stage.

Have you never upgraded your electrical Service?

If your home is over 25 years old, you could possibly have an inadequate and/or hazardous electrical system.

A Brief History of Electric Service Panels

30 years ago, if you were to look, you would probably find that the typical home was outfitted with a 60 amp electric service that was connected to a screw-in fuse panel. This set-up meant that the homes electrical needs were usually provided by six, 15 amp screw-in fuses.

While a properly installed fuse was considered safe to some, problems still arose with fuses such as, using a bigger fuse than required to help keep the fuse from blowing, which also created a fire hazard at the same time. Also, there is the fact that once a fuse blows, it cannot be reused and must be replaced. This made it necessary to find a better method...enter the circuit breaker.

20 years ago, having a 100 amp electric service was the norm, with some doing away with fuses completely, instead using circuit breakers in the service panel, which was then, the latest in technology.

Even in today's world, if you do not have a lot of high draw electrical appliances, you should be okay with just 100 amp service. Although, if you are considering any additions to the home that would require an addition of dedicated circuits and the like, your 100 amp panel might prove to be inadequate. It would probably require upgrading to a 200 amp service panel.

In current times, the average home boasts a 200 amp electric service, usually with the service panel controlling up to 42 circuit breakers. In today's world, it is essential to provide adequate power for the increased needs of the home.