



# Pitt and Greene

## Electric Membership Corporation

A Touchstone Energy® Cooperative 

*“Where Customers Have A Choice”*

*May 2018*

*Member Newsletter*

### *Make The Most Of Ceiling Fans*

By turning on the fan, you can turn up the savings! If you are like most Americans, you have at least one ceiling fan in your home. Ceiling fans help our indoor life feel more comfortable. They are a decorative addition to our homes and, if used properly, can help lower energy costs.

#### TIPS FOR MAKING THE MOST OF YOUR CEILING FANS:

1. **FLIP THE SWITCH** – Most ceiling fans have a switch near the blades. In warm months, flip the switch so that the blades operate in a counter clockwise direction, effectively producing a “wind chill” effect. Fans make the air near you feel cooler than it actually is. In winter, move the switch so the fan blades rotate clockwise, creating a gentle updraft. This pushes warm air down from the ceiling into occupied areas of the room. Regardless of the season, try operating the fan on its lowest setting.
2. **ADJUST YOUR THERMOSTAT** – In the summer, when using a fan in conjunction with an air conditioner, or instead of it, you can turn your thermostat up three to five degrees without any reduction in comfort. This saves money since a fan is less costly to run than an air conditioner. In the winter, lower your thermostat’s set point by the same amount. Ceiling fans push the warm air from the ceiling back down toward the living space, which means the furnace won’t turn on as frequently.
3. **CHOOSE THE RIGHT SIZE** – Make sure your ceiling fan is the right size for the room. A fan that is 36-44 inches in diameter will cool rooms up to 225 square feet. A fan that is 52 inches or more should be used to cool a larger space.
4. **TURN IT OFF** – When the room is unoccupied, turn the fan off. Fans are intended to cool people - not rooms.

### *Please Make Room For Roadside Crews*

When the power goes out, so do Pitt & Greene EMC’s line crews. Lineworkers are the first to respond after an outage occurs, and they work tirelessly to restore power to the communities we serve.

If you’re traveling and see one of our crews on the side of the road, we kindly ask that you move over if possible and give them a little extra space to work. We deeply care about the safety of all, and this extra precaution ensures just that.

If you approach a crew while traveling on a two-lane road, moving over to the next lane might not be an option. In this case, we simply ask that you slow down when approaching roadside crews. If you approach a crew while traveling on a four-lane road, and safety and traffic conditions allow, we ask that you move over into the far lane.

Utility crews aren’t the only ones who could use the extra space. Emergency responders, such as police officers, firefighters and emergency medical technicians, often find themselves responding to emergency situations near busy roadways. We ask that you follow the same procedures mentioned above to help keep these crews safe.

There’s plenty of room for all. Let’s work together to keep everyone safe on our local roadways.





## *Manager's Message*

*By: Mark A. Suggs*

### Understanding energy demand and purchasing

You may not think you need to have an understanding of energy demand and purchasing, but do you ever look at your energy bill and wonder what it all means? If your answer to that question is “yes,” then you might be interested to learn how demand impacts your utility bill.

To start, it is important to understand how electricity is made and how it is delivered to your home.

Before Pitt & Greene EMC can send electricity to your home, that electricity needs to be generated by a Generation and Transmission cooperative (G&T). Once the electricity has been generated, it travels over high-voltage transmission lines to substations, where the voltage is reduced to a safer level. The electricity then travels over distribution power lines and finds its way into your home. So, while you pay your bill to us – your electric distribution cooperative – we don't actually generate the electricity you use. That is the job of the G&T.

We do help to determine how much electricity our members need to power their homes and businesses, and you play a big part in determining how much electricity the G&T needs to create in order to keep the lights on in our community. That is where these terms “consumption” and “demand” come in.

Consumption is measured in kilowatt hours (kWh). Demand is measured in kilowatts (kW). A lightbulb “consumes” a certain number of watts, let's say 100 watts per hour. If that lightbulb stays on for 10 hours, it “demands” a certain number of kilowatts (in this case, 1 kW) from the generation station producing electricity. Now, if you turn on 10, 100-watt lightbulbs in your home for one hour, you are still consuming the same number of kW. However, you are placing a demand on the utility to have those kW available to you over the course of one hour, instead of ten. This requires the generation and transmission plant to produce more power in less time in order to meet your demand.

Pitt & Greene EMC purchases kilowatt hours from the G&T based on the average demand of our members. Peak demand refers to the time of day when the demand for electricity is highest. This is typically during the evening when families return home from work or school, cook dinner and use appliances the most. Using electricity during this peak demand period often costs more to both Pitt & Greene EMC and to our members.

Demand is the reason your electricity bill fluctuates season to season and even year to year. Generating and distributing power can be a tricky and complicated business, but rest assured we will always meet the necessary demand to provide safe, reliable and affordable electricity to your family.

# Easy steps to greater efficiency

Do you want to save money and electricity but have limited time, money and patience? According to the Department of Energy, a “typical American family” spends nearly \$2,000 per year on their home energy bills. Much of that money, however, is wasted through leaky windows or ducts, old appliances or inefficient heating and cooling systems.

Luckily, there are several relatively easy ways to save energy without a substantial commitment of time and money. These efforts will help you save whether you own or rent an older or newly constructed home. And, you won't have to hire a specialist or call in a favor from someone who is handy with tools to help you.

## Where to start

According to Money Magazine, “improving the envelope” of your home is a good place to start. Sunlight, seasonal temperature changes and wind vibrations can loosen up even a tight home, increasing air leakage. Doors and windows may not close tightly, and duct work can spring leaks, wasting cooled and heated air. By placing weather stripping and caulk around windows and doors, you can keep cool air inside during warm months and prevent chilly air from penetrating the indoors during colder months. Sealing gaps around piping, dryer vents, fans and outlets also helps to seal the envelope and creates greater efficiency. Apply weather stripping around overlooked spaces like your attic hatch or pull-down stairs.

Replacing incandescent bulbs with LED bulbs can make a big difference in home efficiency and is one of the fastest ways to cut your energy bill. Known for their longevity and efficiency, LED bulbs have an estimated operational life span of typically 10,000 to 20,000 hours compared to 1,000 hours of a typical incandescent. According to the Dept. of Energy, by replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

## Wrapping up savings

Installing a blanket around your water heater could reduce standby heat losses by 25 to 45 percent and save you about 7 to 16 percent in water heating costs, according to the Dept. of Energy. For a small investment of about \$30, you can purchase pre-cut jackets or blankets and install them in about one hour. On a safety note, the Dept. of Energy recommends that you not set the thermostat above 130 degrees Fahrenheit on an electric water heater with an insulating jacket or blanket; the higher temperature setting could cause the wiring to overheat.

Given that a large portion of your monthly energy bill goes toward heating and cooling your home, it makes sense to ensure your home's heating, ventilation and air conditioning (HVAC) system is performing at an optimal level. Checking, changing or cleaning your filter extends the life of your HVAC system and saves you money.

Air filters prevent dust and allergens from clogging your HVAC system. Otherwise, dust and dirt trapped in a system's air filter leads to several problems, including: reduced air flow in the home and up to 15 percent higher operating costs; lowered system efficiency; and costly duct cleaning or replacement. Many HVAC professionals recommend cleaning the system filters monthly. A simple task like changing the filters on your HVAC system makes your unit run more efficiently, keeping your house cooler in the summer and warmer in the winter.

## Take control of your energy savings

Take a look at your programmable thermostat. When was the last time you checked to make sure it was programmed for the current season and family schedule? This is one of the best energy-saving tools at your fingertips. It enables you to fine tune the temperature during particular hours of the day. Many models allow you to differentiate between weekday and weekend schedules, and internet-connected thermostats can learn your schedule and make adjustments automatically. Most models come with an override option so you can make manual adjustments without losing overall programming. You can only achieve these efficiencies and savings if it is programmed properly and adjusted periodically to keep pace with changes in household routines.

Pitt & Greene EMC will be closed Monday, May 28th  
in observance of Memorial Day.

## Outdoor Electrical Safety Tips

Warmer weather brings an increase in outdoor work in many parts of the country, both on the job and at home. Increasing electrical safety awareness can help ensure those activities do not result in injuries and deaths.

The Electrical Safety Foundation International (ESFI) provides the following safety tips:

- Carefully check the location of all overhead wires before using a ladder. All ladders, even those made of wood, that contact a power line can shock or electrocute people coming in contact with them.
- Unplug outdoor tools and appliances when not in use.
- Inspect power tools and appliances for frayed cords, broken plugs and cracked or broken housing. Repair or replace damaged items.
- Water does not mix with electricity. Avoid damp conditions - including wet grass - when using electricity.

Visit [www.esfi.org](http://www.esfi.org) for more ways to keep your home and family safe this spring and beyond.



## Don't toy with your safety!

When you are playing outdoors, keep a safe distance from power lines, substations and other equipment your electric co-op uses to send electricity to your home. Flying remote controlled toys are a great way to have fun, but accidentally making contact with a power line or other electrical equipment can be dangerous and in some cases, even deadly.

- Never fly kites, or remote controlled toys near power lines.
- Stay away from power lines, meters, transformers and electrical boxes.
- Never climb trees near power lines.
- If you get something stuck in a power line, call Pitt & Greene EMC and never touch or go near a downed power line.



## Important Sales and Use Tax Notice

A purchaser (farmers, manufacturers and commercial laundries) that is eligible for a preferential tax rate on electricity should complete and furnish the seller/electricity supplier Form E-595E, Streamlined Sales and Use Tax Agreement Certificate of Exemption, to take advantage of qualifying reductions.

De lunes a viernes de 8:00 a.m. a 5:00 p.m.  
252-753-3128 / 1-800-622-1362 / 252-747-7600

Co-op Office Hours  
Monday - Friday - 8:00 a.m. - 5:00 p.m.  
252-753-3128 / 1-800-622-1362 / 252-747-7600

CORTES DE SUMINISTRO ELÉCTRICO Y EMERGENCIAS:

Durante fines de semana, días festivos y después del  
horario de oficina  
252-753-8778

POWER OUTAGES & EMERGENCIAS

During weekends, holidays and  
after office hours  
252-753-8778