



# Plugged in to Altamaha EMC | Fiber

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## Harnessing Clean and Reliable Energy: The Impact of Plant Vogtle Units 3 and 4

We are excited to share some remarkable developments regarding the energy landscape that directly impact Altamaha EMC and its members. Plant Vogtle, located near Waynesboro, Georgia, has been a pivotal asset in our energy portfolio, and the recent milestones achieved with the completion of Units 3 and 4 mark a significant leap forward in clean energy production.

Altamaha EMC receives energy from Plant Vogtle through our wholesale energy supplier, Oglethorpe Power, which holds a 30% ownership stake in all four units at Plant Vogtle. This partnership has been instrumental in ensuring a reliable and sustainable energy supply for our members. Construction on Units 3 and 4 commenced in 2009, representing a substantial investment by Oglethorpe Power totaling \$8.3 billion, affirming their commitment to delivering clean energy to our communities.

In July 2023, Plant Vogtle Unit 3 achieved commercial operation, followed by Unit 4 in April 2024, marking the beginning of a new era in clean energy generation for Altamaha EMC members. These advanced nuclear units are poised to generate clean, reliable energy for the next 60 to 80 years, providing a stable foundation for our energy needs.

The Vogtle expansion project stands as one of the largest clean energy endeavors in the nation, representing the first advanced commercial nuclear

units to come online in the United States in over three decades. This monumental achievement underscores the commitment to innovation and sustainability in the energy sector.

Nuclear energy emerges as one of the most reliable sources of power, capable of operating at full capacity 24/7. Compared to traditional fossil

fuel plants, nuclear power units require fewer maintenance outages, ensuring a consistent supply of electricity for our members.

Moreover, the environmental benefits of nuclear energy are profound. Powered by tiny uranium fuel pellets, Plant Vogtle Units 3 and 4 produce enough

electricity to power an estimated one million homes and businesses without emitting any greenhouse gases. This makes Plant Vogtle the largest generator of clean energy in the United States, contributing significantly to mitigating climate change.

Concerns regarding safety and waste management are addressed comprehensively at Plant Vogtle. Rigorous safety protocols, redundant safety systems, and stringent regulatory oversight by the U.S. Nuclear Regulatory Commission ensure the plant's safe operation. Building materials such as steel and concrete effectively shield against radiation, ensuring the safety of employees and nearby communities.

*HARNESSING, continued on Page 3.*





## Operation Round Up Spotlight: Supporting Southeast GA Communities Project, Inc.

In the heart of Southeast Georgia, a beacon of support and empowerment shines brightly through the Southeast Georgia Communities Project, Inc. (SEGCP). Thanks to a generous \$5,000 grant from the Altamaha EMC Foundation, SEGCP is taking strides to ensure a safe and nurturing environment for the thousands of individuals they serve annually.

Since opening its doors on February 3, 1995, SEGCP has been dedicated to promoting human dignity through advocacy and self-empowerment of low-income individuals. Their mission is not just a statement but a commitment to fostering partnerships and support systems within the communities they serve.

SEGCP's impact extends far and wide, touching the lives of over 5,500 individuals each year with a wide array of essential services. From curbside food baskets and medical interpretation to transportation and translation services, SEGCP stands as a lifeline for those in need.

However, ensuring a safe and conducive environment for volunteers and clients is paramount to SEGCP's mission. With maintenance needs ranging from roof

replacement and rotten wood repairs to parking lot and ceiling repairs, the \$5,000 grant from the Altamaha EMC Foundation is a crucial step in addressing these urgent needs.

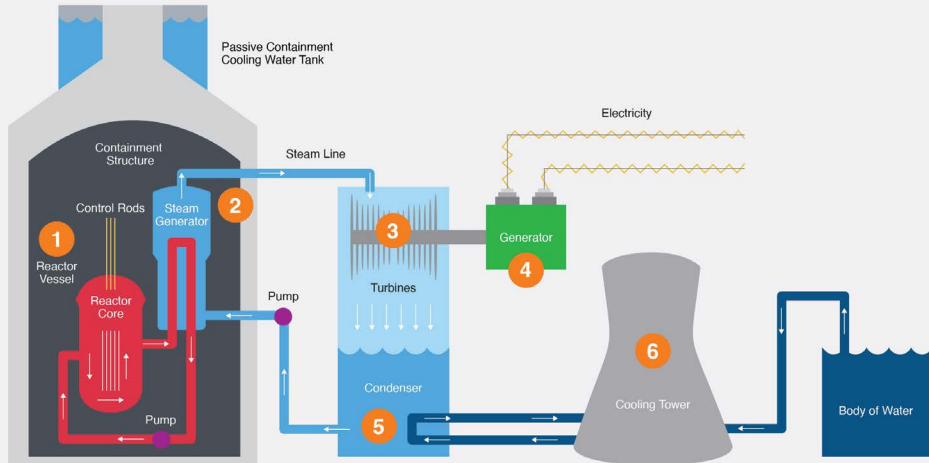
The funds will be utilized to kickstart much-needed maintenance projects, including roof replacement, gutter repairs, door replacements, and the construction of a safe ramp for food buggies. These efforts not only enhance the safety and functionality of SEGCP's facilities but also reinforce their commitment to providing quality services to the community.

But SEGCP's impact goes beyond physical repairs; it lies in the lives they touch and the hope they instill. Whether it's assisting with birth certificate translations, passport applications, or providing referrals to other agencies, SEGCP serves as a steadfast ally for those navigating life's challenges.

To learn more about SEGCP and how you can support their mission, visit [www.segcp.org](http://www.segcp.org) or contact Adrea Hinojosa at [andrea.hinojosa316@gmail.com](mailto:andrea.hinojosa316@gmail.com). Your contribution, whether big or small, can make a meaningful difference in the lives of those in need, ensuring that Southeast Georgia continues to shine as a beacon of hope and compassion for all.



# How Plant Vogtle Units 3 and 4 Work



1

Water is pumped through the reactor core, heated by the fission process, pumped through thousands of tubes in the four steam generators and back to the reactor in a closed loop.

2

Cooler water in the steam generator comes in contact with the hot tubes and turns to steam.

3

The steam goes to the turbine and spins the turbine blades.

4

The turbine spins the electric generator to produce electricity.

5

The steam goes to the condenser where it turns to liquid again to continue the cycle.

6

The water that circulates through the condenser is cooled by large cooling towers.

## Harnessing continued from front

It's important to note that the steam emitted from the cooling towers is merely water vapor, containing no harmful emissions or radiation. Additionally, spent nuclear fuel is stored safely onsite for the duration of the plant's lifespan, posing no risk to the surrounding environment.

In conclusion, the completion of Plant Vogtle

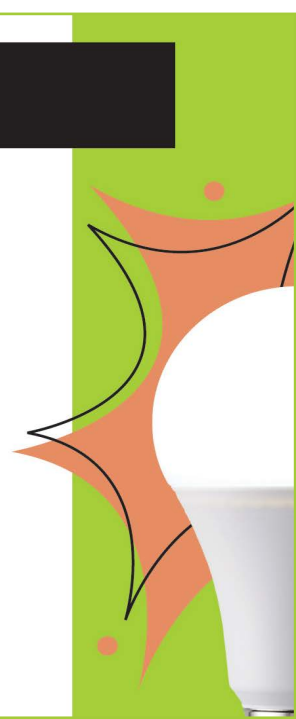
Units 3 and 4 heralds a new chapter in clean and reliable energy production for Altamaha EMC and its members. We remain committed to harnessing innovative technologies and sustainable practices to meet the energy needs of our communities while safeguarding the environment and ensuring the safety of all stakeholders.

## ENERGY EFFICIENCY TIP OF THE MONTH

Did you know ceiling fans can help you save energy? Ceiling fans create a windchill effect on your skin to make you feel a few degrees cooler. Raise the thermostat a few degrees and turn on fans to reduce air conditioning costs.

Set fan blades to rotate counterclockwise during summer months and clockwise during winter months. Remember, ceiling fans cool people, but don't actually lower the indoor temperature. Turn them off when you leave the room.

Source: [energystar.gov](http://energystar.gov)



# 3 WAYS TO SEAL IN COMFORT

In addition to increased comfort, weatherizing your home is an excellent way to save energy and lower your cooling and heating costs. Here are three ways you can seal in comfort *and* savings.



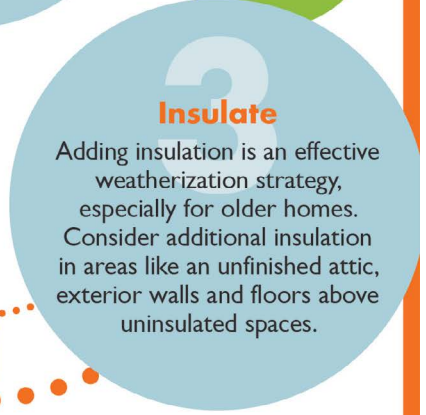
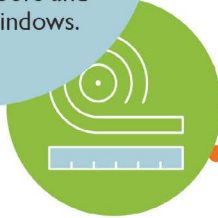
## 1 Caulk

Apply caulk around cracks and openings between stationary components like door frames and window frames.



## 2 Weatherstripping

Install weatherstripping around components that move, like doors and operable windows.



## 3 Insulate

Adding insulation is an effective weatherization strategy, especially for older homes. Consider additional insulation in areas like an unfinished attic, exterior walls and floors above uninsulated spaces.



## HOLIDAY CLOSING NOTICE

All offices of Altamaha EMC/Fiber will be closed **Thursday, July 4th** for Independence Day.

In the event of a power outage or related problems, standby personnel will be on duty. You can report power outages by calling (912) 526-8181.

## SIGNS OF AN

# ENERGY SCAM

### High-Pressure Tactics

Scammers will pressure you, creating a sense of urgency. Claims that your power will be disconnected without immediate payment are common with utility scams.

### Sketchy Payment Methods

Scammers may ask for unusual payment methods like gift cards or cryptocurrency. In these cases, it's likely a scam.

### Dodgy Communication

Whether an email, text message or letter, utility scams typically include poor grammar, spelling errors or unusual email addresses. These are common warning signs of a scam.





Photo Credit: Georgia Grown

# Member RECIPES

## Honey Cinnamon Pecan Frozen Latte

### INGREDIENTS

4 oz. very strong brewed coffee (*cooled immediately or cold brew concentrate*)  
6 oz. ice  
3 tablespoons honey cinnamon pecan butter  
1 tablespoon local honey (or more to taste)  
Pinch salt

### Garnishes

Whipped cream (dairy or nondairy)  
Cinnamon  
Honey  
Candied pecans, chopped



### DIRECTIONS:

Place all latte ingredients in a high-speed blender. Pulse a few times to crush ice, then blend for 10-20 seconds (depending on your blender) until pourable and smooth but still thick with tiny ice crystals.

Serve in a tall glass with whipped cream (dairy or nondairy), a sprinkle of cinnamon, a drizzle of honey and chopped candied pecans. 1 serving

*-Courtesy of Georgia Grown*