

Local students complete summer learning program at Coastal Electric

We love investing in the next generation ... and giving students a glimpse of the many rewarding careers found at electric co-ops!

This summer, we had the privilege to work with Alexis Rivera, a senior at Long County High School. Alexis completed our Learners Today, Leaders Tomorrow program, and spent his summer with our IT Department.

Alexis already knew a bit about Coastal Electric Cooperative, as his mother, Nadia, serves as one of our

helpful customer service reps. During his time in IT, Alexis learned troubleshooting, helped update phones and computers, and explored how substations tie in with IT.

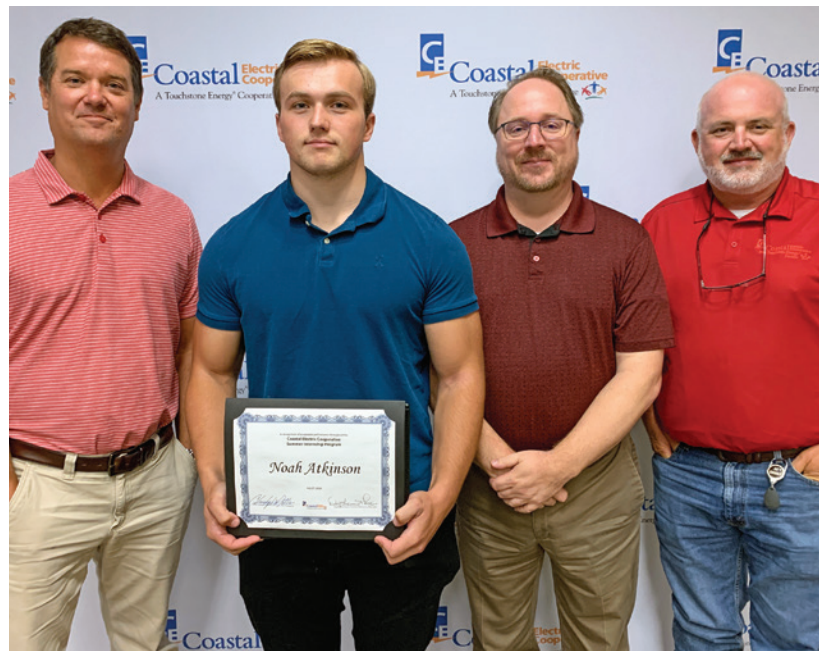
Our Engineering and Operations Department was glad to welcome Noah Atkinson as a summer engineering intern. He is a 2021 graduate of Richmond Hill High School and recently attended Georgia Southern University and is transferring to the University of Georgia this fall.

Noah is majoring in mechanical engineering. During his time at Coastal Electric, Noah shadowed employees in various roles in the Engineering and Operations Department, gaining hands-on experience with staking, mapping, electrical engineering formulas, efficiency and budgeting.

Noah even researched and analyzed data for an outdoor lighting project plan that the co-op can use to maximize savings on outdoor lighting.



Alexis Rivera (left) is pictured with IT Technician James Platt.



From left, Engineering Manager Chris Williams, Noah Atkinson, Vice President of Engineering and Operations Brian Hayes and Operations Manager Jake Horton.



Nuclear energy is safe, reliable and emission-free

PLANT VOGTLE | UNITS 3 AND 4

Coastal Electric Cooperative serves our members with a diverse portfolio of safe, reliable, cost-effective and environmentally responsible power, and nuclear energy has become increasingly important in the transition to a cleaner energy future. Through our wholesale energy supplier, Oglethorpe Power, we receive emission-free nuclear energy from one of the largest clean energy projects in the nation, Plant Vogtle Units 3 and 4.

These units, located in Waynesboro, represent the first advanced commercial nuclear project in the United States in more than three decades. In July 2023, Unit 3

reached commercial operation, marking a historic achievement for the energy industry, the state of Georgia and the entire nation. Now in service, the new nuclear unit will provide our members with safe, clean energy for the next 60 to 80 years.

In addition to being a clean energy source, nuclear is also considered one of the most reliable energy sources as nuclear power plants can generate electricity at full power 24 hours a day, seven days a week.

The existing units at Plant Vogtle, Units 1 and 2, have been providing safe, clean energy for Georgians for more than 34 years. Once Unit 4 reaches commercial operation, the

final unit at the nuclear site, Plant Vogtle will become the largest producer of emission-free energy in the United States. Our investment in the Vogtle construction project is a testament to the important investments we're making that drive us toward a cleaner and more sustainable future.

Coastal Electric Cooperative has no plans to raise rates at this time in response to the Vogtle project. Our member-elected board of directors and Coastal Electric Cooperative staff planned ahead for the time that Vogtle Unit 3 would come on-line and factored the costs into our financial planning.

Clean nuclear energy is powered by tiny uranium fuel pellets.



Approximately 1/2-inch in size

ONE

uranium fuel pellet provides as much energy as:



1 TON of coal



149 GALLONS of oil



17,000 CUBIC FEET of natural gas

10

uranium fuel pellets can power a typical household's electricity needs for a year.

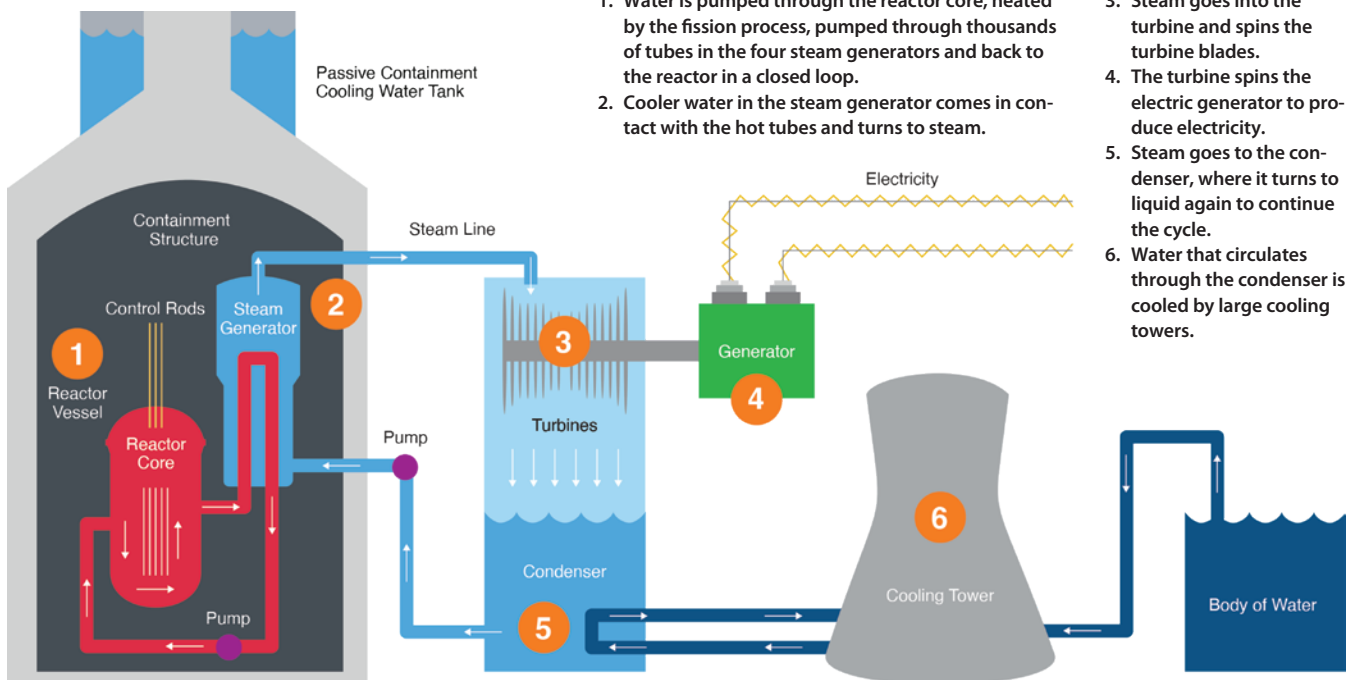


18.1 MILLION

uranium fuel pellets power each nuclear reaction in Units 3 and 4.



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. Steam goes into the turbine and spins the turbine blades.
4. The turbine spins the electric generator to produce electricity.
5. Steam goes to the condenser, where it turns to liquid again to continue the cycle.
6. Water that circulates through the condenser is cooled by large cooling towers.

Electric co-ops grow for the communities they serve

Cooperatives come in all shapes and sizes, but they each have a common goal: to provide goods or services for the members of the co-op. Coastal Electric Cooperative's priority is to provide affordable, reliable energy to our local communities. Because we are led by you, the members we serve, we can evolve to meet your needs.

This October, as we celebrate National Co-op Month, we're focusing on the ways "Co-ops Grow" for their members.

Co-ops grow communities:

Co-ops help communities grow by promoting economic empowerment, fostering community engagement and supporting the unique needs of co-op members. "Concern for Community" is one of our core principles—and being community-focused is essential to everything we do.

Co-ops grow together: Co-ops are all about cooperation, not competi-

tion. That's why electric co-ops work together to share lessons learned, successful strategies and better ways to serve our members. We're better when we grow together!

Co-ops grow tomorrow's leaders: Electric co-ops serve as fertile ground for growing tomorrow's leaders through a variety of youth engagement programs. Whether through school demonstrations, scholarships, community events or the Washington Youth Tour program, we're committed to providing opportunities for local youth to learn and thrive in our community and beyond.

Co-ops grow for you: At Coastal Electric Cooperative, your satisfaction is our No. 1 goal. It's why we were formed many years ago to fulfill a uniquely local purpose. We've come a long way since then, and your needs continue to evolve. That's why we'll never stop growing for you!



CO-OPS GROW 

COMMUNITIES

Electric cooperatives are joining co-ops across the U.S. to celebrate National Co-op Month. As your local electric co-op, our services are shaped to meet your specific needs. We love growing with you, the members we are proud to serve.

