



Tim Echols
Commissioner

**Georgia Public Service
Commission**

Energy Diversity a key value for the Georgia PSC



H. Doug Everett
District 1



Tim Echols
District 2



Chuck Eaton
PSC Chair
District 3



"Bubba" McDonald
District 4



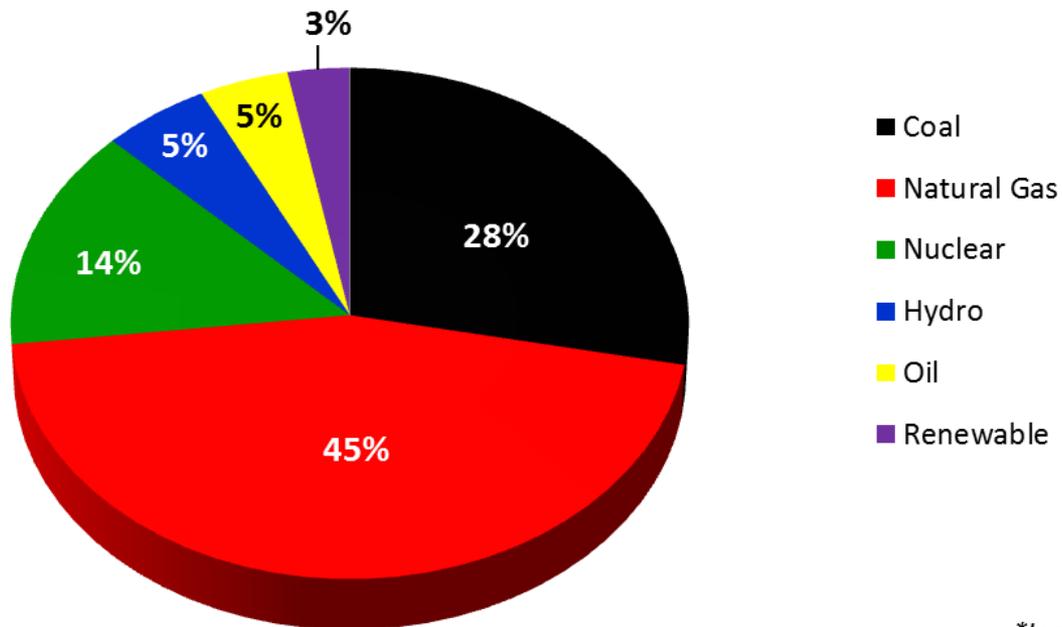
Stan Wise
District 5

Georgia Power's Capacity Mix

Georgia Power Generation Current Capacity* - 2014 YE



Georgia Power Generation Future Capacity*



**Includes PPAs*

Variables for the nuclear future of the US

- ▶ **1. Georgia and South Carolina need to be successful in building the AP1000 units in their respective states.**
- ▶ **2. Improving the public's confidence and trust in the federal government's role in nuclear disposal would be helpful. Consolidated storage may hold promise.**
- ▶ **3. Completing the MOX facility at SRS will help states like GA and MS who are interested in seeing a reprocessing facility built in their state. We don't need failures.**
- ▶ **4. New Mexico's success and positive experience at WIPP could be critical to future disposal.**

GA, TN and SC leading the way

What if these states had not moved forward?

What if our projects are substantially over budget?

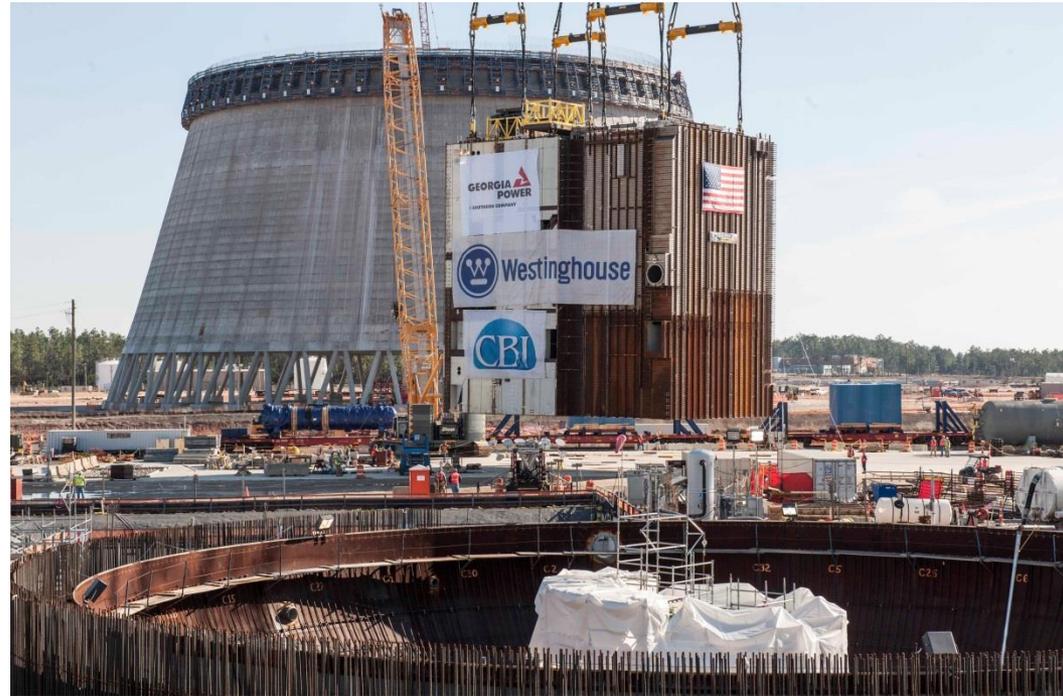
How will EPA treat new nuclear in Clean Power Plan?



Vogtle 1 and 2

Value for customers

Monitoring process



Safety is paramount

“The industry can’t sustain a catastrophic accident every 15 years.”



AP 1000 in post-Fukushima world

AP 1000 – its advanced, simplified safety characteristics use natural forces such as gravity and natural air circulation along with compressed gas to ensure core and containment cooling in emergencies, with fewer valves, pumps, piping and cables.

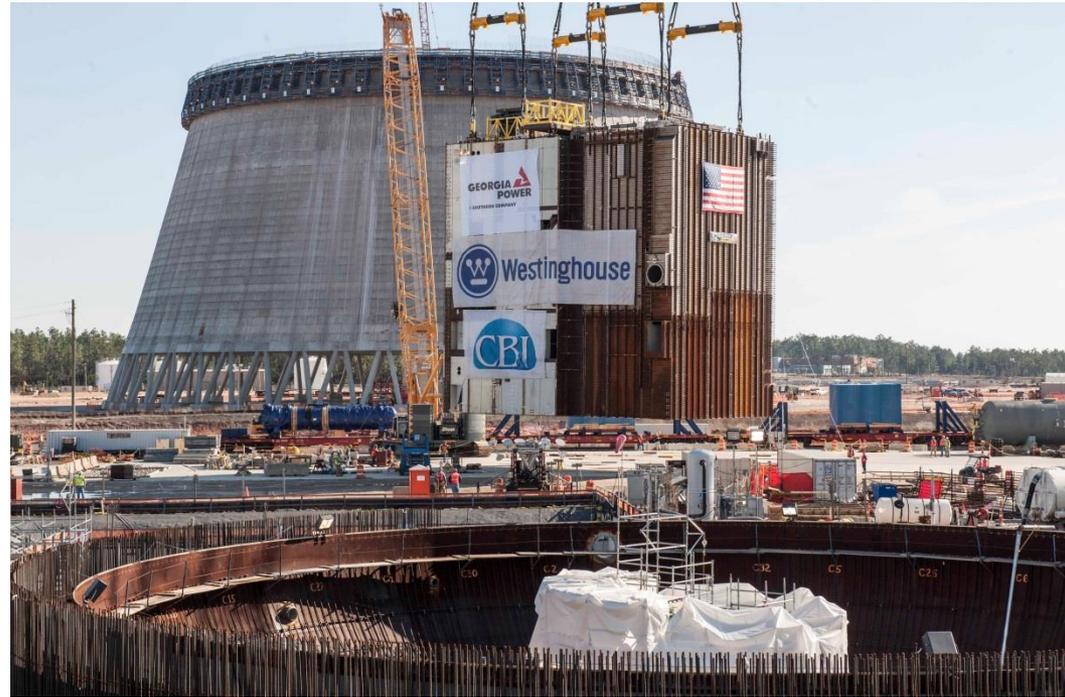


The U.S. Nuclear Renaissance... that was not to be... thanks Natural Gas...

- ▶ **99 reactors.**
- ▶ **Over 20% of the electricity generation in the US.**
- ▶ **18% of all electricity worldwide generated by nuclear.**

Nuclear's place in the US

Where does nuclear fit in this uncertain regulatory environment going forward, in an electricity sector that likely will need to continue to reduce carbon emissions as it generates power?



Resolving the “waste issue” can help move nuclear forward

What impact is the waste policy having on new builds?

Would moving the waste “wake up America” to the problem?



***Out of sight, out of mind.
The challenge of changing
public opinion.***



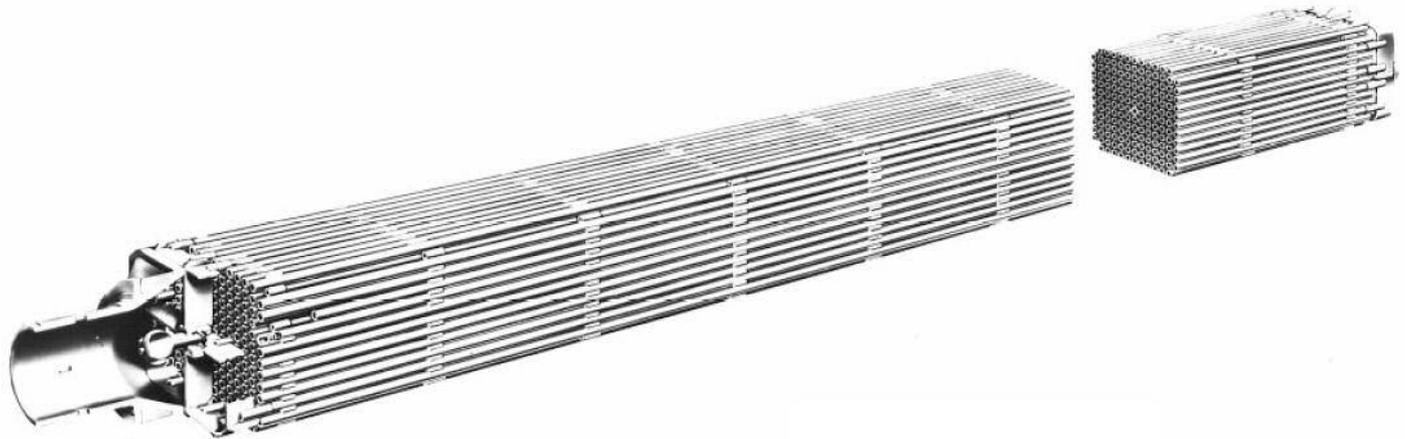
The Trilemma

Without the renaissance, we never build MOX reactors.

Without the MOX reactors, we don't have a market for MOX fuel.

Without a market, we don't reprocess the waste.

Reprocessing extends the life of a Yucca or WIPP.





Clean Power Plan, EPD and the PSC

