



ANS-SR TECHNICAL MEETING OCTOBER 9, 2017

Location: North Augusta Community Center
495 Brookside Ave.
North Augusta, SC 29841
(803) 441-4290

Attendance: 37

Presenter: Michael McCracken

Tonight's dinner meeting opened with Tinh Tran, the 2017-18 chair, introducing the Executive Committee and commenting on the section winning the 2017 Meritorious Award for Best Overall Section from the National ANS Organization.

Mike McCracken spoke on *Plant Vogtle – Past, Present, and Future* with input from our own TJ Corder and Karen Bobkowski. Units 1 and 2 began construction in the 1970s with a permit in 1974. At one point construction personnel topped 14,000 making it the largest construction project in the U.S. at the time. Startup for Unit 1 was in 1987 and Unit 2 in 1989; currently operating with extension to 2047 and 2049, respectively. Mike showed a number of original construction photos.

Units 3 and 4, which *will* be completed, have only about half the size of a construction force, planned to top out at 7,000 soon. A number of comparisons were made between the two projects such as how Units 1 and 2 had components barged in, but 3 and 4 are transported only by rail and truck.

Southern Company's complex energy portfolio was also discussed. While providing power to Georgia, Alabama, Mississippi and part of Florida, they also have solar and wind plants in California, Nevada, New Mexico, Oklahoma, Texas, and North Carolina. They are reducing to only 28% coal generation by 2021 and increasing to 14% nuclear. A little known fact, Plant Wilson just south of Vogtle is an oil plant for peaking demand and Vogtle refueling outages.

Finally, Mike commented on some of the technical aspects of Units 1, 2, 3, and 4 such as fuel design, cooling tower specs, on-site spent fuel storage. The presentation ended with time lapse photos of the Units 3 and 4 construction project from ground breaking in 2009 to July of this year.



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