



American Nuclear Society

Georgia Section

A big welcome to 2021!

In May of 2019, Heather Morgan and Juan Villarreal discussed the compelling idea of restarting the American Nuclear Society (ANS) Georgia Section. Our vision was that this group could advocate for the use of nuclear technology for meeting energy needs and connect professional nuclear talent with industry and academia. We kicked off our efforts that year with an exciting update on the Vogtle 3&4 new build project at the Georgia Tech campus.

Here we are in January 2021, with a strong leadership team, a talented advisory board and three meetings under our belts on topics ranging from new nuclear build to nuclear fusion. The future is bright for our industry and for this group. This year, we will have one meeting a quarter covering a variety of significant topics. Our first meeting will be February 16th – keep an eye out for our invitation in the next few weeks. We've got a great opportunity to get involved. There's an open position for Secretary of the local section. Contact [Juan Villarreal](#) if interested.

For more details on our Section please go to our website: [click here](#). We appreciate your participation and engagement and look forward to seeing all of you whether online, or in person, in 2021.

Cheers,

Your ANS GA Section Leadership Team:
 Juan Villarreal, Dom Napolitano, Nick White
 and Dan Glassic

Local Nuclear News:

The [Energy Impact Center \(EIC\)](#) and their OPEN100 project energy and climate focused startup, is headquartered in Washington, DC. EIC established an engineering office in Atlanta in November 2019, and launched OPEN100 shortly thereafter.

EIC's engineering team is looking to hire a Principal Nuclear Engineer, among other roles: [click here engineering roles](#).

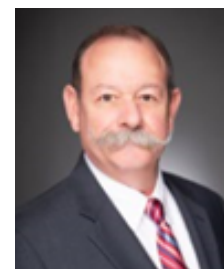
Its mission is to encourage nuclear energy deployment as a means to rapidly decarbonize global energy production and increase access to clean, affordable power. OPEN100 is the world's first open-source platform for the design, construction, and financing of nuclear power plants. The design is based on the (continued)

Upcoming meeting features spent fuel storage technology

Our next Zoom meeting is scheduled for February 16, 2021, at noon. **Jay**

Wellwood, Manager of Storage Operations, and

Doug Jacobs, VP of Projects-Storage and Transport, will give us a presentation on [NAC International](#) developments in nuclear waste storage and disposal.



Jay Wellwood

standard nuclear pressurized water reactor (PWR) which uses water as both the moderator and the coolant for the reactor core. The nominal rating of 100 MWe is approximately 1/10 the size of a modern PWR plant. The smaller size has the feature of allowing for a proven and established design concept while increasing access to equipment through an expanded vendor supply chain.

Vogtle Nuclear Plant— Commercial operation in sight for 2021

Georgia Power Units 3 and 4 are now about 87 percent complete. The company says the target in-service dates for Unit 3 is November 2021 and for Unit 4 is November 2022. Units 1 and 2 have been in operation for decades. Unit 3 received its first shipment of nuclear fuel December 9. Some of the major 2020 Vogtle milestones include:



- Completion of closed vessel testing, which prepared Unit 3 for cold hydro testing. Closed vessel testing verified the pipes and valves in the Unit 3 reactor coolant system were installed as designed and helped ensure safety systems function properly.
- Completion of Unit 3 cold hydro testing, which confirmed the reactor's coolant system functions as designed.
- Units 3 and 4 completed a required emergency preparedness exercise for a simulated emergency event for Vogtle Unit 3. Teams participated in the simulation and demonstrated their ability to effectively and efficiently respond and protect the health and safety of the public.
- Operators of the two new units received licenses from the Nuclear Regulatory Commission (NRC). The NRC issued the first operator licenses to 62 reactor and senior reactor operators for Units 3 and 4.
- Completion of the structural integrity test and integrated leak rate test, with both tests completed in succession. This demonstrated the Unit 3 containment vessel meets construction quality and design requirements.
- Placement of the final module for Unit 3; this is the water tank that sits atop the containment vessel and shield building roof, known as module CB-20. It is a major part of the AP1000 reactor's advanced safety system.
- For more information: [Georgia Power Vogtle Plant](#).

ANS National and GA Section Membership

Join the ANS GA Local Section online at [Join Us | Georgia Local Section \(ans.org\)](#).

Or, join at the national level at [www.ans.org/join/](#) and add the GA Local Section for no additional cost.