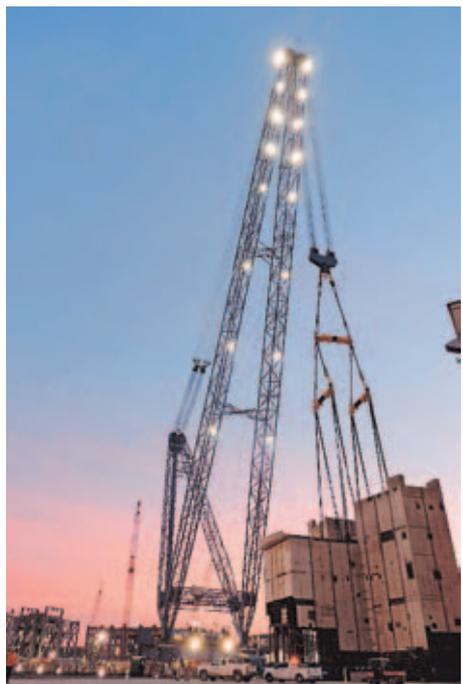


# SCE&G positions South Carolina for clean energy future



SCE&G and its partners achieved a significant milestone at V.C. Summer Unit 2 in July 2015 with the placement of a super module weighing 2.4 million pounds. Here, the module is prepped for lifting by one of the world's largest cranes.

The skyline of Jenkinsville, S.C., changed when one of the world's largest cranes soared over the small town, signaling development for the future.

Boasting a 565-foot front boom, the cobalt-blue heavy-lift derrick is the centerpiece of one of the biggest construction projects in South Carolina. And it's been hard at work.

South Carolina Electric & Gas Company (SCE&G) and Santee Cooper, co-owners of V.C. Summer Nuclear Station, are building two new nuclear reactors on the site where Unit 1 has been operating safely and reliably for more than 30 years. CB&I is the construction contractor, and Westinghouse is the designer of the AP1000 nuclear reactors.

Once the two units are complete, SCE&G anticipates its generation mix will be about 30 percent nuclear, 30 percent natural gas, and 30 percent scrubbed coal, with the balance in hydro, solar and biomass. More than 60 percent of SCE&G's generation will be non-emitting. This diverse generation portfolio will allow flexibility to use the generation source that makes the most economic sense for customers at any given time, and it helps ensure compliance with stringent environmental standards.

Approximately 3,500 CB&I and Westinghouse personnel and subcontractors are employed on the nuclear construction site. The two 1,117-megawatt units will add approximately

800 permanent jobs when operational.

Among the many highlights in the first half of 2015 was a mega lift: a 2.4-million-pound module that will house a number of major components for V.C. Summer Unit 2. SCE&G and its partners placed the CA01 module in July. It was the first Westinghouse AP1000 module of its kind to be placed in the U.S., and it was the heaviest lift on the V.C. Summer nuclear construction site. The CA01 module is a multi-compartment steel structure within the Unit 2 containment vessel. It is approximately 90 feet long, 95 feet wide and 80 feet high. Considered a super module because it is too large to transport, CA01 was assembled on the construction site in a 12-story Module Assembly Building.

"Successful placement of this major module demonstrates the progress being made with our new nuclear units that are under construction at V.C. Summer," said Kevin Marsh, SCANA chairman and CEO. "Adding more nuclear energy to our generation mix is the best solution for providing South Carolina large-scale energy that is clean, safe, and reliable, as well as cost-effective over the long-term."

Lonnie Carter, president and CEO of Santee Cooper, said, "The successful placement of the CA01 module marks a significant milestone for this project. The new nuclear units at V.C. Summer remain a critical component of Santee Cooper's long-term plan to diversify our genera-

tion mix and to continue to provide low-cost, reliable and environmentally sound electricity to our customers."

As the hard work continues on the construction site, service in the community also takes place. For example, SCE&G partnered with the S.C. Governor's Office of Economic Opportunity and a local community action agency over the summer to weatherize the home of an elderly customer who lives near V.C. Summer. Hattie Bell has lived in the home for more than 50 years. SCE&G volunteers—including those from V.C. Summer—helped make her home safer and more energy efficient by replacing windows, repairing the heating and cooling system, installing ceiling fans, caulking around doors and windows, repairing and replacing electrical switches, and trimming trees on her property.

"It's nice to be able to help the local community," said Mark Hottendorf, an electrician at V.C. Summer Units 2 and 3 who volunteered to help weatherize Bell's home. "Everyone should have an opportunity to do this. It's really rewarding."

To follow the progress of V.C. Summer Units 2 and 3, visit SCE&G on Flickr and YouTube for photos and videos.

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