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Using Skills and Natural Resources to Power the Region

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Using Skills and Natural Resources to Power the Region

Danny Wheeler and Robert Cooksey



Danny Grabill and Russell Simmons



Kenneth Wilson



Local 26 and PSEG/SNC-Lavalin Join Forces to Build the State's Newest Gas-Fired Power Plant

As long as Americans have a need for electrical power, the men and women of the IBEW will stand at the ready to build power generating plants from coast to coast and border to border. Locally, the latest power plant to come under construction is the PSEG Keys Energy Center in Brandywine, MD, and, once again, the men and women of the IBEW, working for SNC-Lavalin, are plying their skills to bring this plant online.



From left, Business Agent Jim Marx, Brett Noone, Steward Eric Thomas, Bill Mancinelli, Business Manager George Hogan, and President Tom Myers



Kneeling, from left: Joseph Baker, Anthony Wilson, Steward Eric Thomas, Timothy Johnson, and Ezekiel Ojo. Standing, from left: Bill Mancinelli, Business Agent Jim Marx, Bill Rausch, Jr., Steven Alston, President Tom Myers, Business Manager George Hogan, Vernon Hawkins, Brett Noone, Bernie Hastings, and Alonzo Neal



Business Manager George Hogan, Susan Barth of Local 124, Wayne Nevitt of Local 481, and President Tom Myers



John Kirscht



Bill Rausch Jr.



From left, Joe Toronto, Ronnie Scott, Tommy Barber, and Kevin Hull



Wayne Hausman



Joshua Woods



Kneeling, from left: Justin Stone, Gabriel Young, President Tom Myers, Isaac Young, Adam Hoyt, and Corey Stewart, Sr. Standing, from left: David Curry, Bill Mancinelli, Scott Weekley, Steward Eric Thomas, Greg Roling, Joe Stuck, Patrick Barrett, Business Manager George Hogan, John Smith, and Brett Noone



Ernest Johnson, Gary Westry (Local 1205), and Guy Adams

Not only has the consumption of energy increased for Americans, so too has the desire of Americans for clean energy technology. As our traditional long-serving coal-fired plants show their age, energy companies and consumers have sought out cleaner energy options. With environmental concerns at the forefront in every discussion about energy creation and the construction of power distribution plants, the challenge is on for energy companies to not only be mindful of the environment in the construction of power plants, but also be mindful of the environment in the long-term operation of these plants. Currently, one of the best and cleanest methods of energy production is through natural gas fueled power generating plants. And, with a natural gas line running through southern Prince George's County, this part of our jurisdiction, with its massive parcels of land, has become very attractive to energy companies seeking to build natural gas-fired plants.

Although there have been a number of new power plants built in Southern Maryland, the need for more energy creation is there. It is estimated that Maryland still imports about 30% of its energy.

The 180+ acre site for the PSEG Keys Energy Project was selected after careful review of a number of considerations. Those considerations included visual, noise, and ecological impacts; air quality; water supply; socioeconomic impacts; and natural gas supply, to name just a few. The site, located north of North Keys Road in Prince George's County, also proved to be the perfect location because of the existing 500-kV transmission line located on the property that would allow the plant to connect directly to the grid and the availability of the natural gas pipeline nearby.



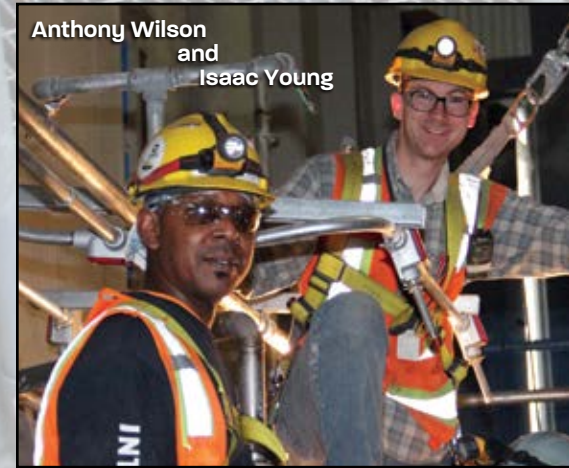
Business Manager George Hogan, Henry Rivers, and Abdelkrim Akli



Danny Duvall, President Tom Myers, and Cardin Avery



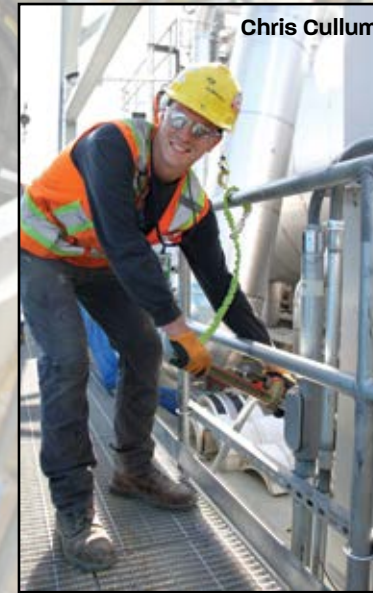
Joseph Wayne Baker and Kevin Hull



Anthony Wilson and Isaac Young



Logan Kral and Ben Bochuk (Local 160)



Chris Cullum



From left, Brett Noone, Steward Eric Thomas, President Tom Myers, Christopher Cullum, Steven Burgess, John Peterson, Business Agent Jim Marx, ? Olario, Business Manager George Hogan, and Bill Mancinelli



John Smith and Devin Stockman

Construction on this \$850 million power plant began in 2015, with the plant expected to come online later this year. The two-year construction created about 1090 construction jobs, including 350 Local 26 jobs, totaling over 3 million manhours. Once operational, the plant will yield about 20 permanent jobs.

The Local 26 crew has been led by General Foremen Bill Mancinelli, Brett Noone, Greg Roling, John Dixon, Jamell Thrower, and Richard Wilkinson. The project's foremen have included Robert Cooksey, Justin Stone, John Smith, Corey Stewart, Guy Adams, Joe Lingenfelter, Cardin Avery, Orville McLarty, Ronald Lewis, Dalton Palmer, Ronald Gilchrist, Stanley Hubbard, Ariel Amparo, David Houck, Steve Bergeris, Robert Edwards, and James McVay. The steward on the job is Eric Thomas.

The Local 26 crew pulled about a million feet of cable ranging from 22 gauge to 750 mcm medium voltage cable and ran about 100,000 feet of conduit ranging from 1" to 4" rigid conduit. There are over 6,600 cables totaling 858, 858 feet with almost 52,000 terminations. Local 26 members also installed 27,000 feet of cable tray ranging from 6" to 36" in width and underground raceway totaling 109,041 feet.

Upon completion, the PSEG Keys Energy Center, a combined-cycle power plant, will bring 755 MW of power to about 500,000 Maryland homes in Prince George's County and surrounding areas. This will be achieved through two Siemens STG5000F national gas-fired combustion turbine generators (CTGs), two duct-fired heat recovery steam generators (HRSGs), one condensing steam turbine generator (STG), and one air-cooled condenser (ACC). Specifically, the HRSGs

are three pressure levels with reheater with a selective catalytic reduction system for control of the nitrogen oxide emissions and an oxidation catalyst for the control of carbon monoxide and VOC emissions. The equipment will be capable of operating continuously at all load conditions between minimum and peak operation with both CTGs operating simultaneously or separately. All of this was made possible thanks to the highly trained corps of Local 26 electricians, each of whom had to participate in additional training in NFP 70, medium voltage termination and lock out/tag out before working on this project.

Not only will the community benefit from the construction of this new power plant in the form of cleaner, more efficient energy production; over the expected 40-year life of the facility, a significant amount of tax revenue is expected to be generated—about \$640 million to be exact. Additionally, as part of a community agreement, PSEG Power will donate \$3 million toward the construction of a new aquatic and recreation complex in Brandywine to include aquatic facilities, a gymnasium, a fitness room, and flexible program spaces.

Just like the construction of nearby Chalk Point Power Generating Station, the PSEG Keys Energy Center will be able to serve the community effectively and efficiently because it was built by the talented men and women of Local 26.

"Local 26, with its electrical knowledge and past construction experience in industrial work, has been a major contributor to the installation and construction of this gas-powered generation plant," noted General Foreman Bill Mancinelli. "It was completed with pride."