

## Tenaska's Advanced Natural Gas Power Station to Improve Resource Efficiency

*Black & Veatch providing engineering, procurement and construction services for new power plant*

Overland Park, Kansas (17 August 2016) -- Black & Veatch has been selected to provide engineering, procurement and construction (EPC) services for a new 925 megawatt natural gas **combined cycle** power plant. Using advanced, high efficiency turbine technology and a recycled water cooling process, the Tenaska Westmoreland Generating Station will produce enough power to meet the energy needs of 925,000 homes.

The station is located near Pittsburgh and will supply electricity to customers in Pennsylvania and 12 other Northeastern states that operate in the PJM market. PJM is a regional transmission organization (RTO) that coordinates the movement of wholesale electricity in the Northeast U.S. The generating station addresses growing electric power demands in the region while using the latest air quality controls to meet all state and federal emissions standards.

“Black & Veatch has the reputation for constructing safe and reliable power generating facilities, and a record of completing projects on schedule,” said Nick Borman, Tenaska Senior Vice President, Engineering & Construction. “We are pleased to utilize its power delivery and power plant services for the Tenaska Westmoreland project.”

To maximize efficient water use during power generation, the plant will be able to recycle water through the cooling process multiple times. In addition, two new pipelines to deliver clean-burning natural gas to the plant will be connected to existing regional pipelines. The facility is in the heart of the Marcellus and Utica gas shale fields; as a result it is expected that this local resource will be the primary fuel supply source. The project includes a 500Kv switchyard and switching station as well as 1.5 miles of power transmission lines to connect it to the PJM electric grid.

Project construction began in 2016 with commercial operation scheduled in 2018.

“We are leveraging our global expertise in EPC for power generation that provides clients a single point of contact across all phases of the project,” said Ed Walsh, President of Black & Veatch's power business. “Tenaska is committed to providing its customers highly efficient clean energy while using advanced emissions controls that address environmental air quality.”

### Editor's Notes:

- The plant features Mitsubishi Hitachi Power Systems J-series natural gas turbines.
- The Tenaska Westmoreland Generating Station will encompass about 50 acres and power generating equipment will be enclosed in a building structure.

## About Black & Veatch

Black & Veatch is an employee-owned, global leader in building critical human infrastructure in Energy, Water, Telecommunications and Government Services. Since 1915, we have helped our clients improve the lives of people in over 100 countries through consulting, engineering, construction, operations and program management. Our revenues in 2015 were US\$3.0 billion. Follow us on [www.bv.com](http://www.bv.com) and in social media.

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