**Project Description**

Wolf Run Compressor Station was a green grass facility built to add injection and withdrawal horsepower to Dominion Transmission’s existing Fink-Kennedy-Lost Creek storage field.

The facility was built in two phases. The 2005 construction of the facility was part of Dominion’s Northeast Storage Expansion project and included the first two engine-compressor packages, dehydration, measurement, and auxiliaries. The 2007 second phase was part of Dominion’s Cove Point Expansion project and added two engine-compressor packages.

Utility electric power was not economically available at the site so, the compressor station’s power is generated by nine Capstone microturbines, four of which are equipped with waste heat recovery exchangers to provide building heat during the winter.

**Scope of Services**

Engineering, drafting, equipment and building specifications, bid review and recommendations, material requisitions, and construction contract documents.
Project Highlights

Drivers/Compressors

- Four Caterpillar G3606TALE natural gas engines (1775 H.P. each) driving Ariel JGC/6 frames with three first stage and two second stage cylinders each.

Compressor Building

- Pre-engineered metal building with pneumatic overhead crane, noise attenuation, and forced air ventilation.

Auxiliary/Office Building

- Pre-engineered metal building with mezzanine, offices, restroom, control room, equipment area and work area.

Utility Gas Building, Chromatograph Building, Dekatherm Building and Drum Storage Building

- Self-Framing steel buildings

System Design Included

- Greenfield facility in mountainous terrain. Extensive cut and fill design for the compressor station and access road.