

Project Summary

In conjunction with bi-directional modification efforts to their Rockies Express (REX) pipeline, Tallgrass Energy Partners is enhancing their overall system to allow for an additional 800 MMscfd from the east end of REX to market opportunities in the west. The REX Zone 3 Capacity Enhancement Project increased the system's delivery capacity from 1.8 Bcfd to 2.6 Bcfd by adding three (3) new compressor stations and modifying two (2) existing compressor stations.

QPSE acting as the general contractor performed the project management, engineering, procurement, and construction (EPC). Construction was completed on schedule.

Below are the major equipment requirements for the compressor stations:

Chandlersville CS – Existing Station

- Three (3) Solar Mars 100/C45 Turbine-Driven Compressor Packages (total HP 38,400)
- Three (3) inlet filter coalescers and three (3) discharge filter coalescers
- Eleven (11) gas after coolers equipped with low noise mag fans
- One (1) emergency generator



LOCATION

Ohio, Indiana

AWARD DATE

March 2014 (Engineering)

August 2015 (EPC)

COMPLETION DATE

November 2016

SERVICE OFFERING

Facility

HIGHLIGHTS

Project management and EPC

Additional 800 MMscfd to increase delivery capacity from 1.8 Bcfd to 2.6 Bcfd

Addition of 3 new compressor stations; modifying 2 existing compressor stations; total ISO horsepower over 200,000

Cooler being installed at Chandlersville

Columbus CS – New Station

- Four (4) Solar Mars 100/C45 Turbine-Driven Compressor Packages (total HP 51,344)
- Three (3) inlet filter coalescers
- Ten (10) gas after coolers equipped with low noise mag fans
- One (1) emergency generator

Washington Court House CS – New Station

- Two (2) Solar Mars 90/C45 and One (1) Mars 100/C45 Turbine-Driven Compressor Packages (total HP 32,155)
- Three (3) inlet filter coalescers
- Seven (7) gas after coolers equipped with low noise mag fans
- One (1) emergency generator

Hamilton – Existing Station

- Eight (8) gas after coolers equipped with low noise mag fans

St. Paul CS – New Station

- Three (3) Solar Mars 100/C45 Turbine-Driven Compressor Packages (total HP 38,469)
- Three (3) inlet filter coalescers
- Six (6) gas after coolers equipped with low noise mag fans
- One (1) emergency generator

