

PROJECT PROFILE

EPC for Green River Compressor Station Expansion

CLIENT: Natural Gas Infrastructure Operator

LOCATION: Green River, Wyoming

As a full engineering, procurement, and construction (EPC) services provider, Audubon was contracted to deliver a comprehensive design-build solution for the Green River compressor station in Wyoming. The project was split into two scopes: engineering and construction.

New civil, power, + piping systems for expanded compression

For the expansion of the facility, Audubon increased compression capacity along the Northwest Pipeline by installing Solar® Turbines modular-designed compression equipment, complete with skid-mounted auxiliary systems, and facilitating integration with existing equipment. The team also ensured on-site power generation for station operations by assembling and commissioning microturbine generators, as well as installing electrical switchgear buildings, motor control centers (MCCs), and unit substations for power distribution.

For the site's mechanical and piping systems, we fabricated, installed, and hydrotested ASME B31.3-compliant process piping: high-pressure stainless- and carbon-steel lines, flanged connections, and utility systems. The site posed adverse winter temperatures that we met with strategic cold-weather construction methods.



Project overview

- › Natural gas compression station expansion
- › Solar Taurus® 60 + Centaur® 50 compressors
- › On-site power generation + distribution
- › TurboFab modular buildings
- › Interstate pipeline tie-ins
- › Extreme cold-weather conditions



Project scope

- › Engineering + design
- › Procurement
- › Fabrication
- › Construction
- › Balance of plant



Furthermore, our deep foundations group addressed challenging soil conditions with helical pile design and installation. Additional civil site work comprised excavation, grading, reinforced concrete foundations, and structural steel erection.

Electrical system readiness + pipeline network integration

Audubon engaged with the electrical functions of the plant by placing cable trays, heat tracing systems, fiber optics, and process instrumentation—and ensuring system integrity and operational readiness with loop checks and precommissioning. Finally, our team tied in the upgraded compression station with the interstate pipeline system, including hot taps, 30-in suction headers and 24-in discharge headers. For balance-of-plant assurance, Audubon managed air skids, air coolers, condensate tanks, and other auxiliary systems.

Exceptional execution with safety, quality, + collaboration

With on-site, self-performed assembly and installation, Audubon worked in close collaboration with the natural gas operator to ensure the highest levels of quality, efficiency, and compliance with environmental, regulatory, and safety standards throughout.

“Our team is proud to have played such a large role in boosting our client’s natural gas delivery across the US. This project underscores Audubon’s project engineering and self-performed construction capabilities, especially in managing complex infrastructure upgrades for high-volume terminals and pipelines.”

Brandon Morse

Project Engineer
Audubon



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