

PROJECT PROFILE

Dehydration Units for Compressor Station Expansion

CLIENT: Confidential midstream operator**LOCATION:** Vernal, Utah

A leading midstream energy services provider selected Opero Energy for expansion of its compressor station in Vernal, Utah. To upgrade the efficiency of the facility, the operator required the installation of several new TEG dehydration units.

Opero Energy's integrated [engineering](#), [design](#), and [fabrication](#) team generated multiple high-performance systems to dehydrate the site's natural gas stream, optimize fuel gas usage, and maintain sales gas specifications. In the production of the TEG dehydration units, our team designed and fabricated the towers, [pressure vessels](#), filters, heaters, and all skid piping and steel.

On-site commissioning and startup support expedited the project and ensured a smooth operational transition. Incorporating a high-capacity regeneration heater and combustor, Opero Energy's total solution improved the functionality of the compressor station by targeting a TEG circulation rate of 12 to 35 gal/min and a gas dehydration capacity of 70 to 210 MMscf/d to meet operational demands.



Project overview

- › 12–35-gal/min TEG circulation
- › 70–210-MMscf/d gas dehydration
- › 1.5–3.0-MMBtu/hr TEG regeneration heater
- › 2.5-MMBTU/hr combustor



Scope of work

- › Engineering + design
- › Procurement
- › Fabrication
- › Commissioning + startup

