

# PROJECT PROFILE

## CHISHOLM CRYOGENIC GAS PLANT



Client: **ENERGY TRANSFER** | Location: **SOUTH TEXAS**

Audubon was contracted by [Energy Transfer](#) for [engineering](#), [design](#), [procurement](#), [fabrication](#), and [construction](#) on a greenfield refrigerated turboexpander plant with 120-MMSCFD capacity. The [Chisholm cryogenic gas plant](#) in South Texas is connected to an interstate transportation pipeline system that delivers residue gas and natural gas liquids (NGLs).

The plant was designed to extract 92% of ethane and 100% of heavy hydrocarbons from rich natural gas feed streams. Plant design also included a 330-GPM amine-treating unit for CO<sub>2</sub> removal from inlet gas and Y-grade liquid products, 2,050 HP of electric motor-driven screw refrigeration compression, and 9,000 HP of turbine-driven centrifugal recompression.

With the new cryogenic gas plant engineered by Audubon, Energy Transfer can effectively cool natural gas and recover NGLs.

### Project Overview

- Greenfield cryogenic gas-processing plant
- 120-MMSCFD capacity
- Gas subcooled process (GSP)
- Propane refrigeration
- Amine treatment for CO<sub>2</sub> removal
- Residue reciprocating compression
- Solar turbine
- Plant utilities (flare, drain, power, instrument air)

### Scope of Work

- Project management
- Detailed engineering & design
- Automation & control
- Construction
- Process safety analysis
- Power generation
- Fabrication

