



Lebanon LNG Project

Missouri Public Service Commission November 28, 2018

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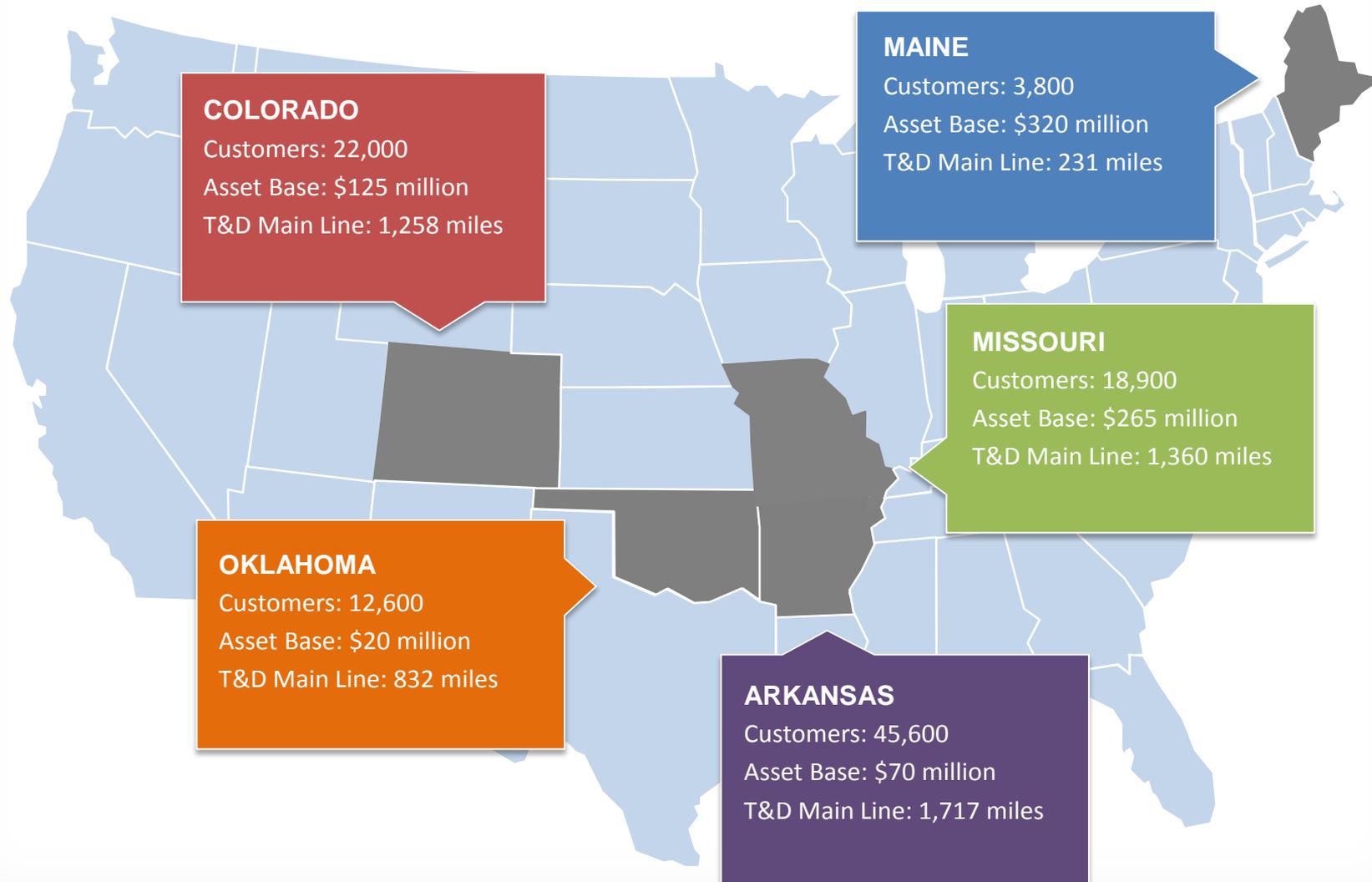


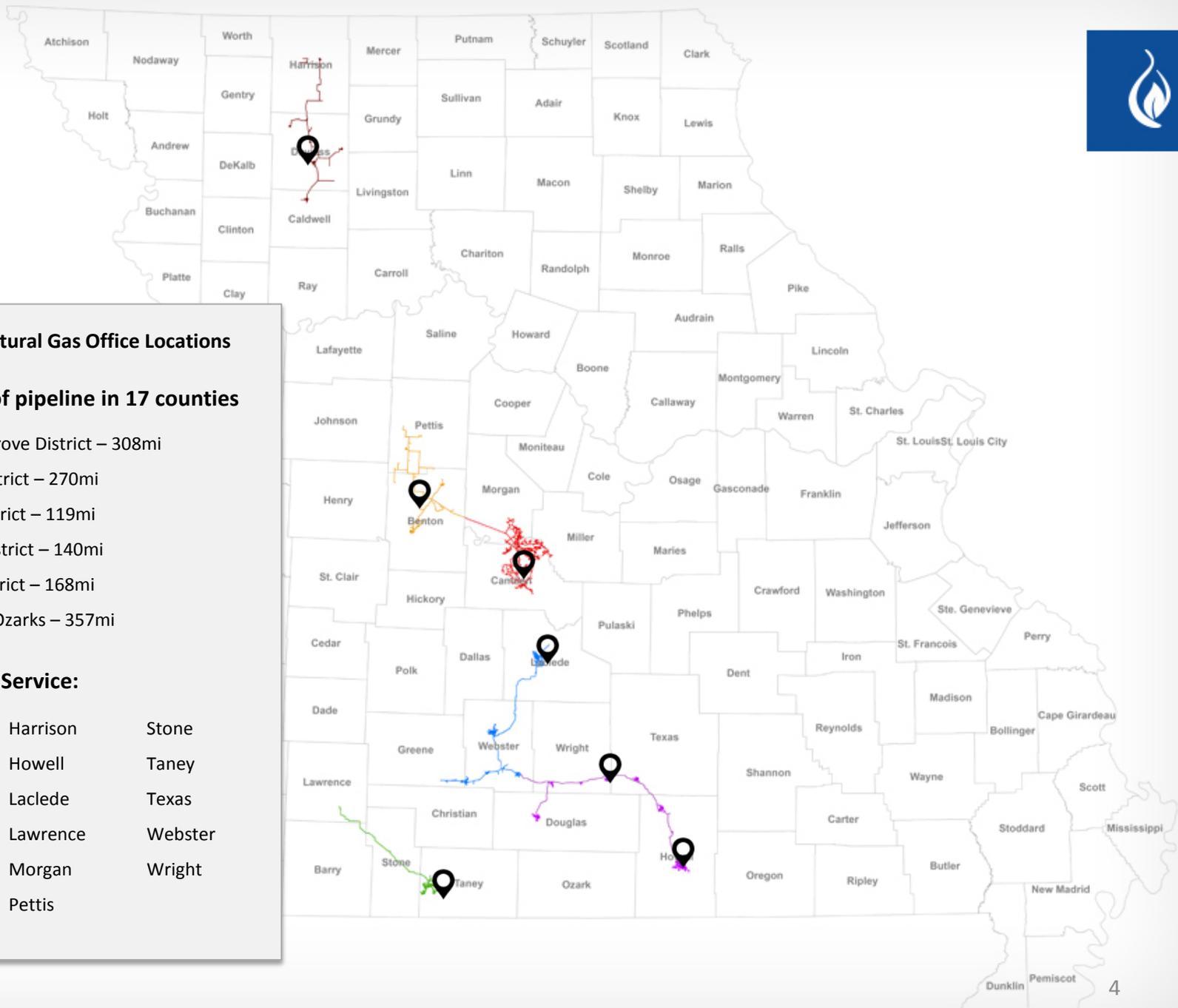
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PORTFOLIO OVERVIEW





📍 Summit Natural Gas Office Locations

1,360 miles of pipeline in 17 counties

- Mountain Grove District – 308mi
- Lebanon District – 270mi
- Branson District – 119mi
- Hamilton District – 140mi
- Warsaw District – 168mi
- Lake of the Ozarks – 357mi

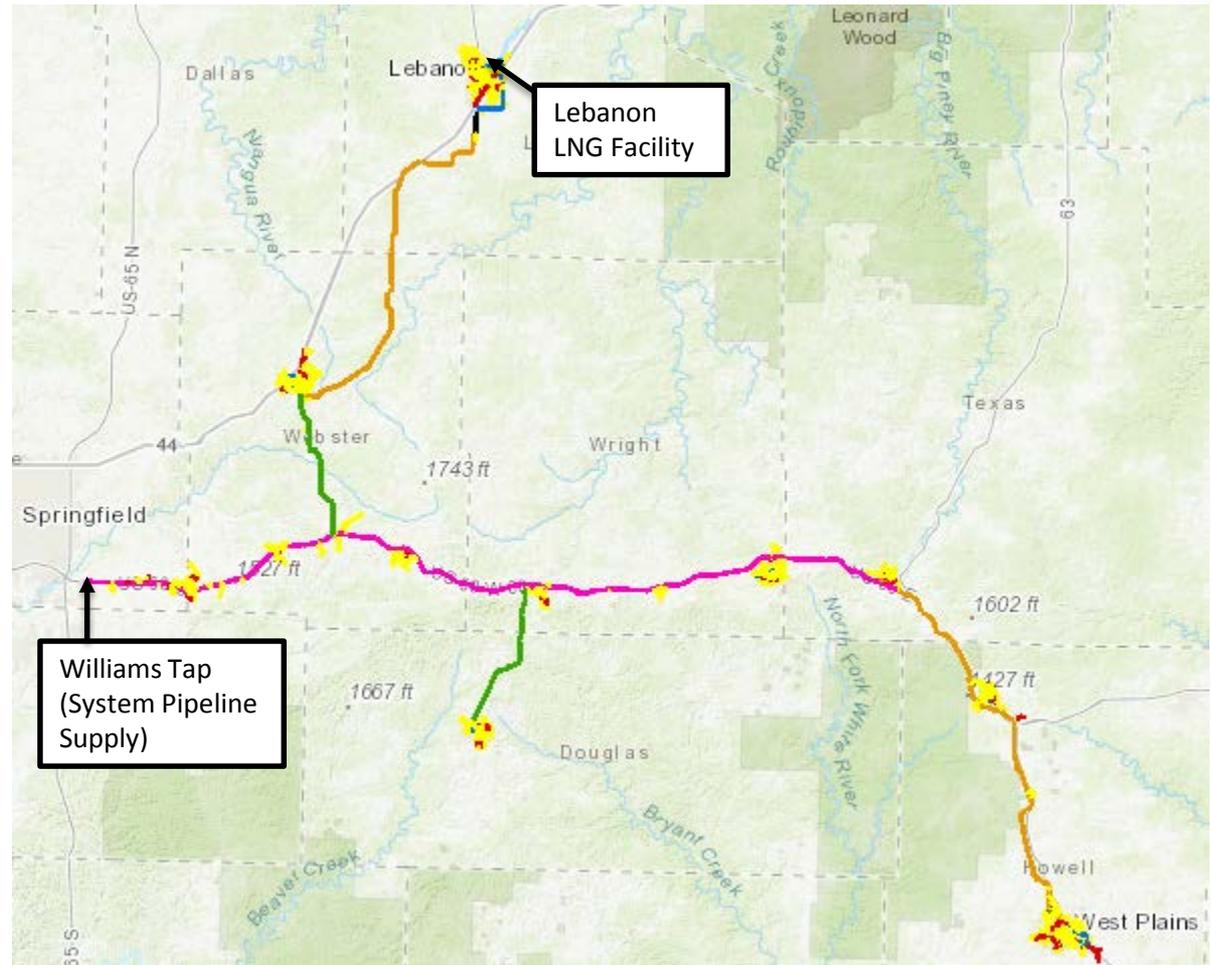
Counties We Service:

Barry	Harrison	Stone
Benton	Howell	Taney
Caldwell	Laclede	Texas
Davies	Lawrence	Webster
Douglas	Morgan	Wright
Greene	Pettis	

Lebanon LNG – Supporting Growth



- Lebanon has experienced significant growth in recent years
- LNG provides system stability for an area with limited pipeline support
- LNG allows SNGMO to provide pressure support during times of peak demand
- Project will support continued economic development in the region

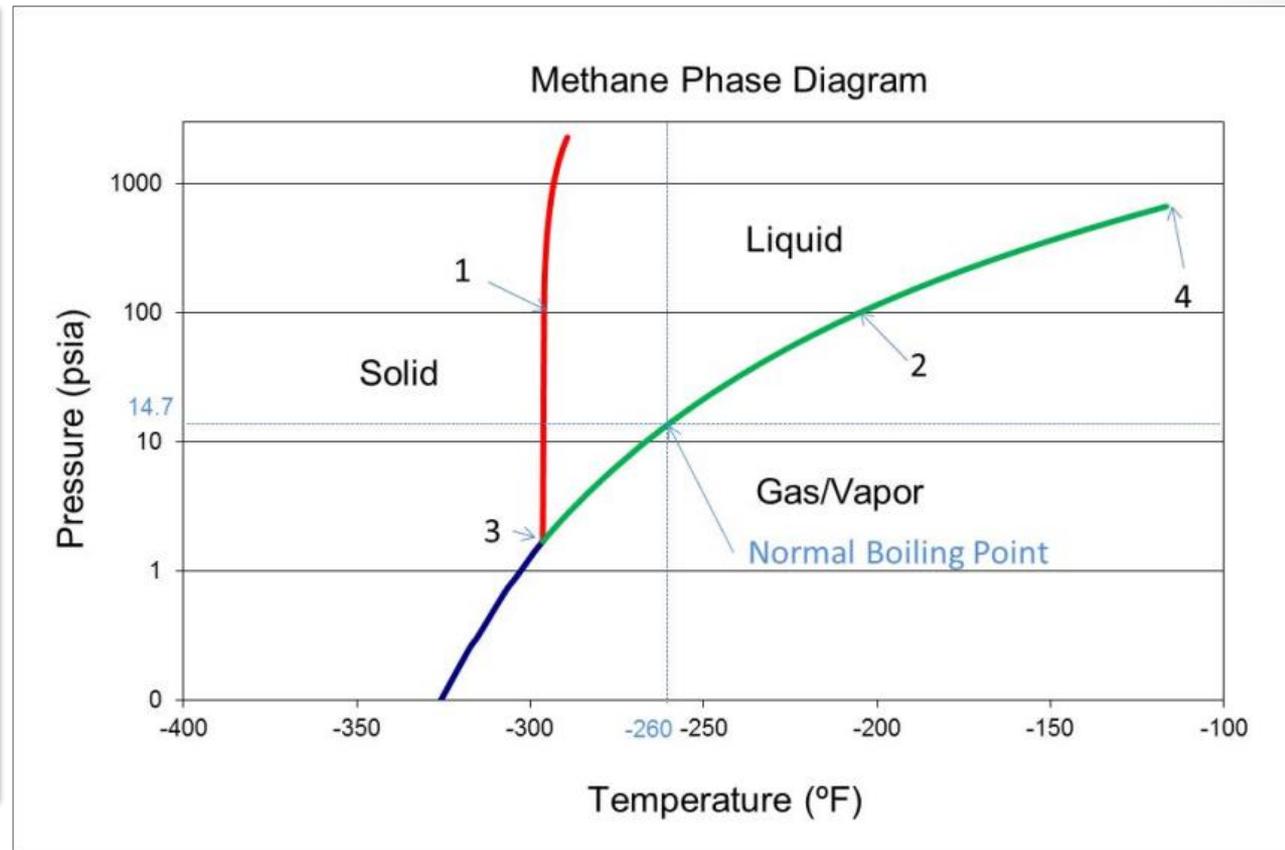


Lebanon LNG – Properties

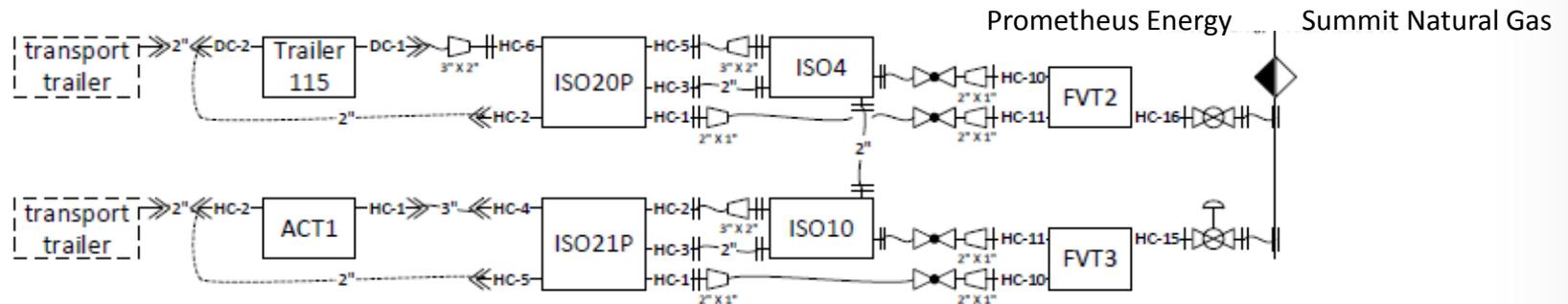


Liquefied Natural Gas Facts:

- Colorless, non-corrosive, non-toxic substance
- -260° F storage temperature
- 600 to 1 volume expansion to gas
- 82,644 Btu/gallon
- 82.6 scf/gallon
- 1004° F ignition temperature
- 3.5 lb/gallon weight
- Global industry with 60+ years of operation



Lebanon LNG – Facility Specifications



Lebanon LNG Facility Specifications:

- Mobile and temporary LNG equipment supplied by trucks with cryogenic LNG trailers
- Maximum on site storage of 66,000 gallons
- Two gas-fired vaporizers with maximum flow rate of 140 Mscfh each
- Total facility maximum flow rate of 280 Mscfh
- LNG injection pressure range of 65 psig – 100 psig
- LNG injected into SNGMO measurement and regulation facility equipped with overpressure protection and scada monitoring
- Seasonal demand operating period runs from November 1 to March 15

Lebanon LNG – Vendor

SNGMO has partnered with Prometheus Energy on this project



Prometheus Energy:

- Provides full turnkey LNG solutions across the nation
- Provides all operation and maintenance of the LNG equipment
- Vertically integrated through entire liquid production portion of LNG value chain: production, distribution, and customer application
- 10 years of experience in supporting installation & operation at over 150 customer projects
- 85+ LNG transport and storage assets
- 24-7 Logistics Operations Center

Lebanon LNG – Safety & Reliability



Safety Considerations:

- Prometheus has provided safety training to SNGMO
- Vendor software provides high temperature, hydrocarbon, and flame sensor interlocks
- LNG storage tanks and pipe sections that could potentially trap LNG are equipped with relief valves
- Prometheus has zero lost time incidents in past six years
- SNGMO has zero OSHA recordables in past three years
- Due to its properties, LNG vaporizes as it warms and becomes lighter than air, rising into atmosphere if released
- LNG tanks are double walled vessels with insulating annular space

Reliability Considerations:

- LNG facility provides system reliability and back-up for compressor located upstream
- 2017 Prometheus reliability statistics:
 - 100% LNG supply on-time delivery
 - 99.86% LNG equipment on-stream reliability

