



A Forum on Pipeline Safety in the Salt Lake Valley Kern River Gas Transmission Company

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Company Overview

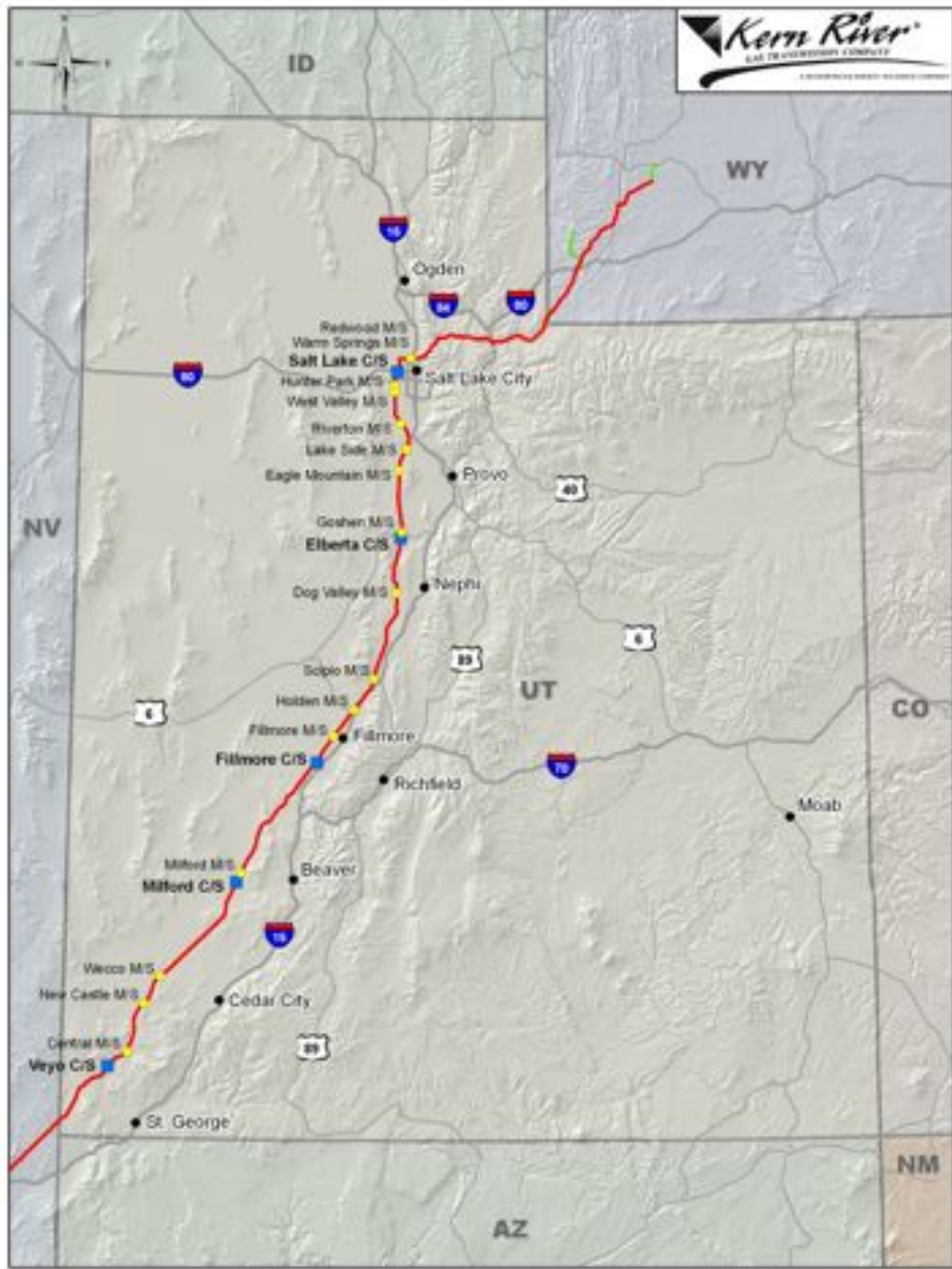
- Kern River is a 1,708-mile interstate natural gas transmission system
- Extends from southwest Wyoming through Utah and Nevada to Bakersfield, Calif.
- Current design capacity of 2.17 billion cubic feet per day
- 163 employees
- Owned by MidAmerican Energy Holdings Company – Berkshire Hathaway

Pipeline System



Company Overview

- In operation since 1992
- 2003 expansion looped most of the system
- Two parallel 36 inch diameter line
- Maximum allowable operating pressure 1333 psig
- 2011 Apex expansion added a pipeline through the Wasatch mountains and added compression



Design and Construction

- Modern high toughness steel
- Fusion bonded epoxy coating
- Good construction inspection
- Good material and construction records

Corrosion Control

- Impressed current cathodic protection system
 - Remote monitoring of rectifiers
 - Close spacing of test posts
- Interference surveys
- Mitigation for alternating current impressed interference

Integrity Assessment

- Four-year integrity assessment cycle
- Two in-line inspections (ILI) completed
 - Hundreds of pipe examinations
- Next re-inspection of the Salt Lake Valley in 2013
- Run cathodic protection close interval survey with ILI

Operations

- Supervisory Control and Data Acquisition monitored 24/7
- Remote control/automatic valves in and adjacent to high consequence areas

Damage Prevention

- Aerial patrol twice per month
- Ground patrol daily in developing areas
- Maintain minimum three-foot depth of cover
- Public awareness program

Designed for Seismic Hazards

- Wasatch fault
- Liquefaction areas