

Spire Missouri

STL Pipeline

November 13, 2019



STL Pipeline

- Supports strategy to modernize our gas assets to:
 - Achieve more diverse supply portfolio
 - Improve reliability and resiliency
 - Access liquid supply points
- Gives our eastern Missouri distribution system access to shale gas from Marcellus and Utica
 - FERC regulated



60-mile pipeline
with capacity of
400 MMcf/d



Connects to
Rockies Express
Pipeline



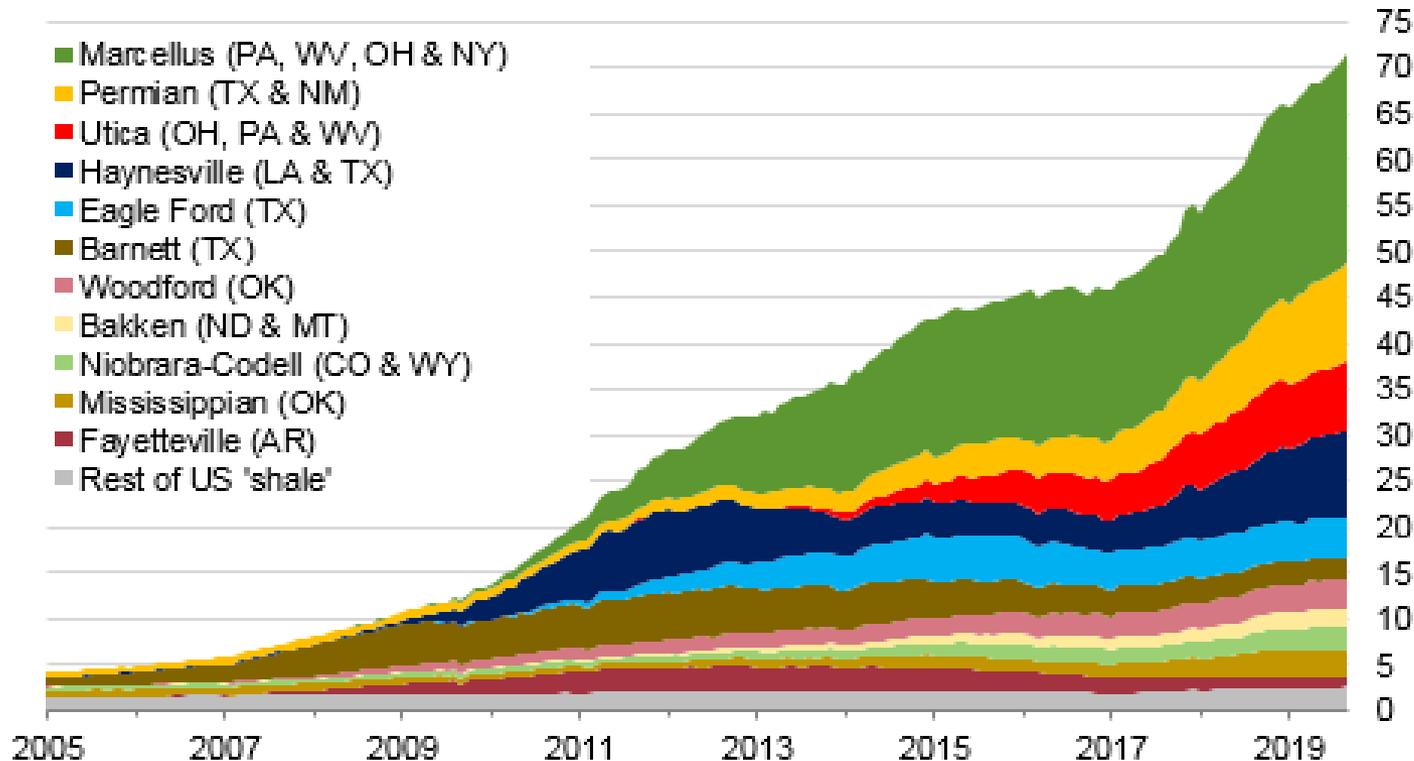
STL Pipeline in
Service Soon



Diverse Supply Portfolio

Monthly dry shale gas production

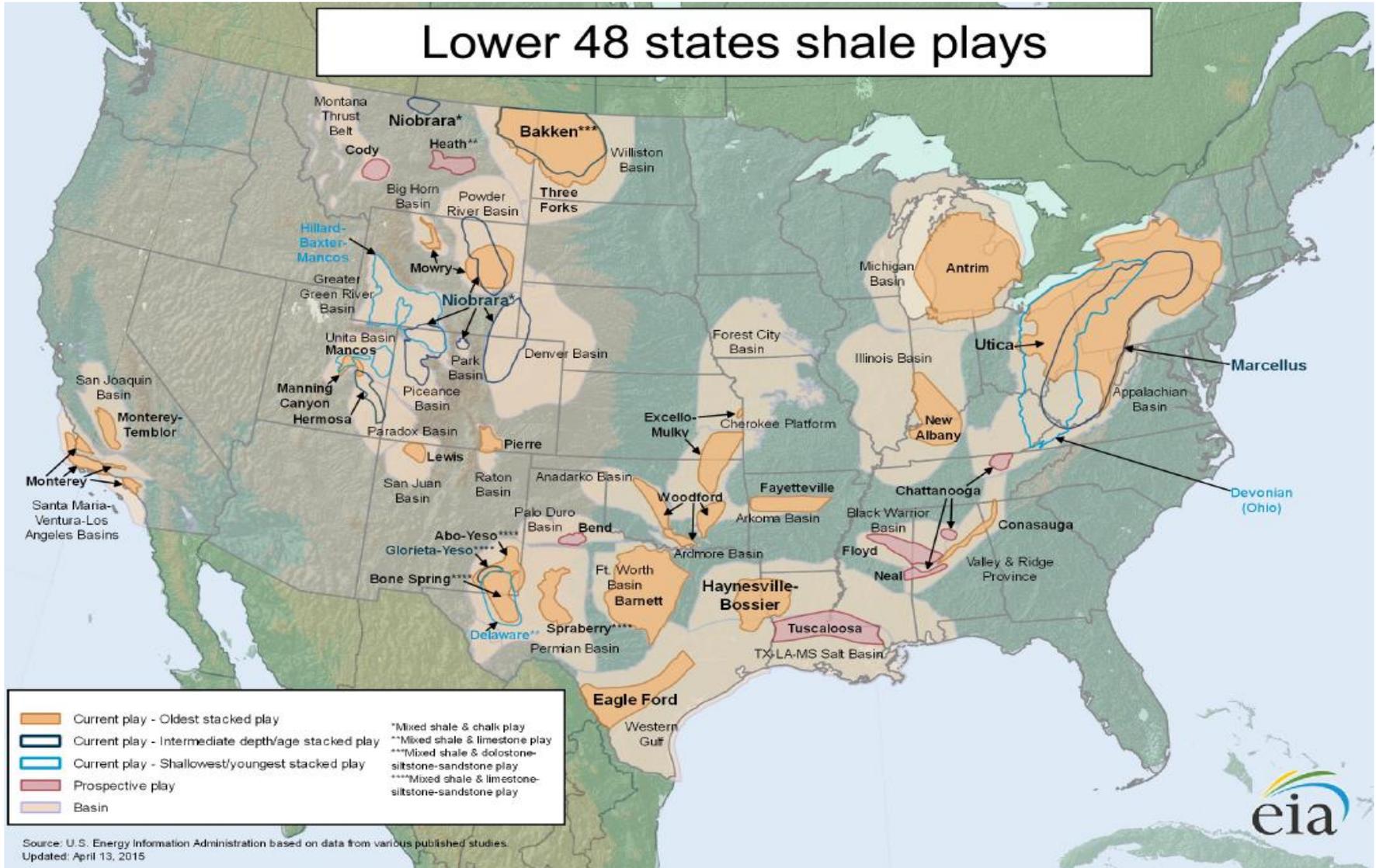
billion cubic feet per day



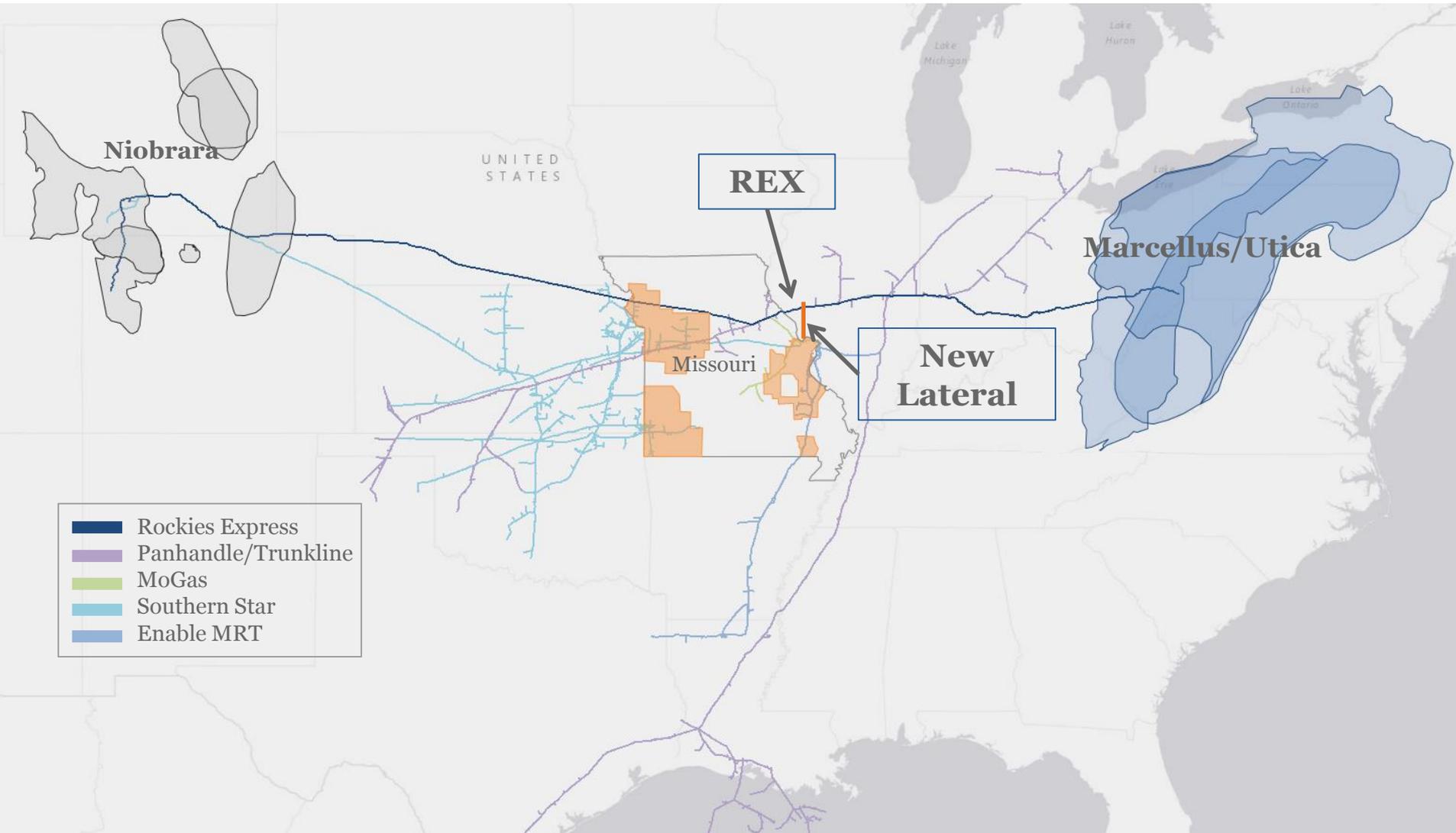
Sources: EIA derived from state administrative data collected by DrillingInfo Inc. Data are through September 2019 and represent EIA's official tight gas estimates, but are not survey data. State abbreviations indicate primary state(s).



Diverse Supply Portfolio

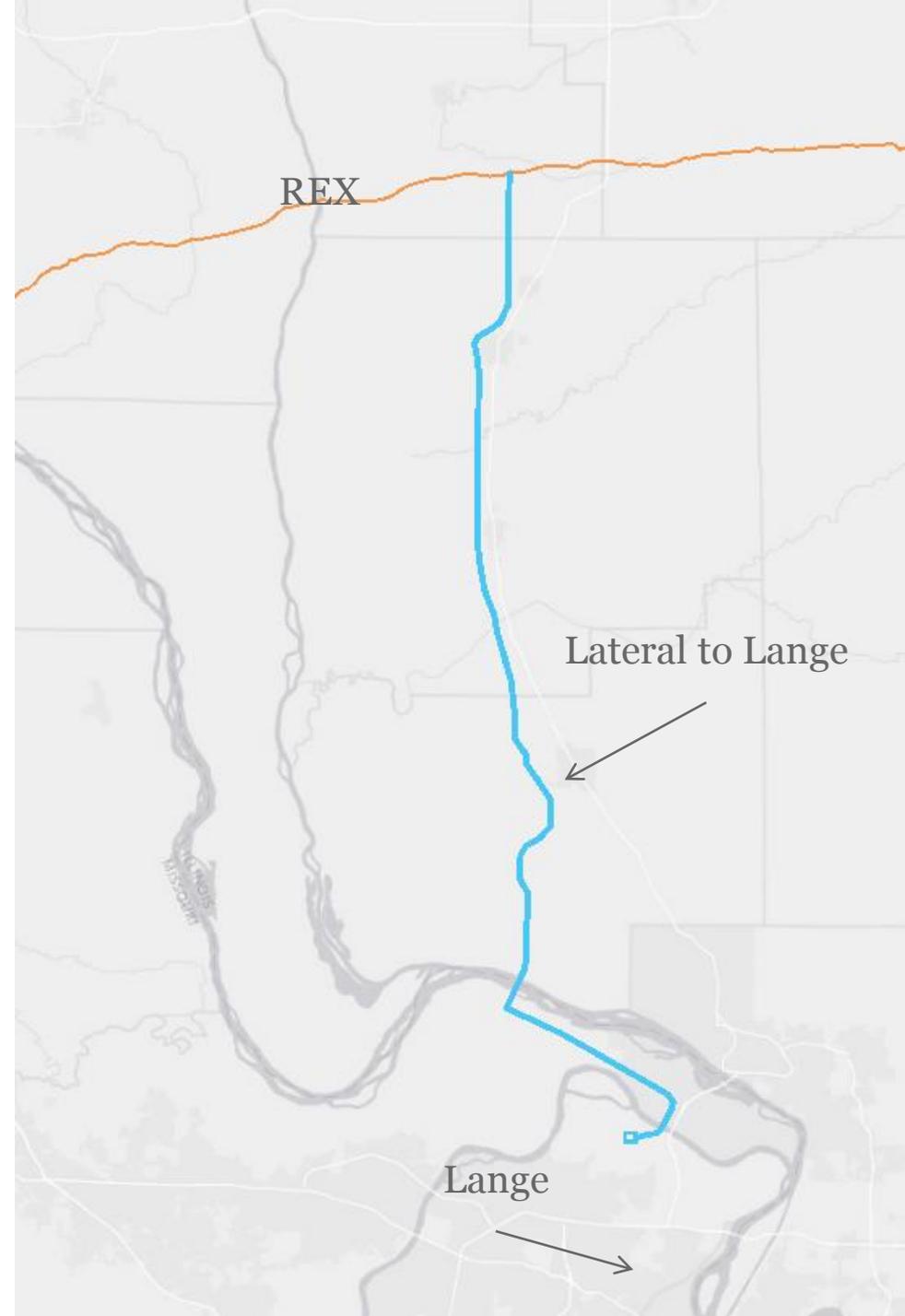


STL Pipeline to access shale plays



Pipeline project

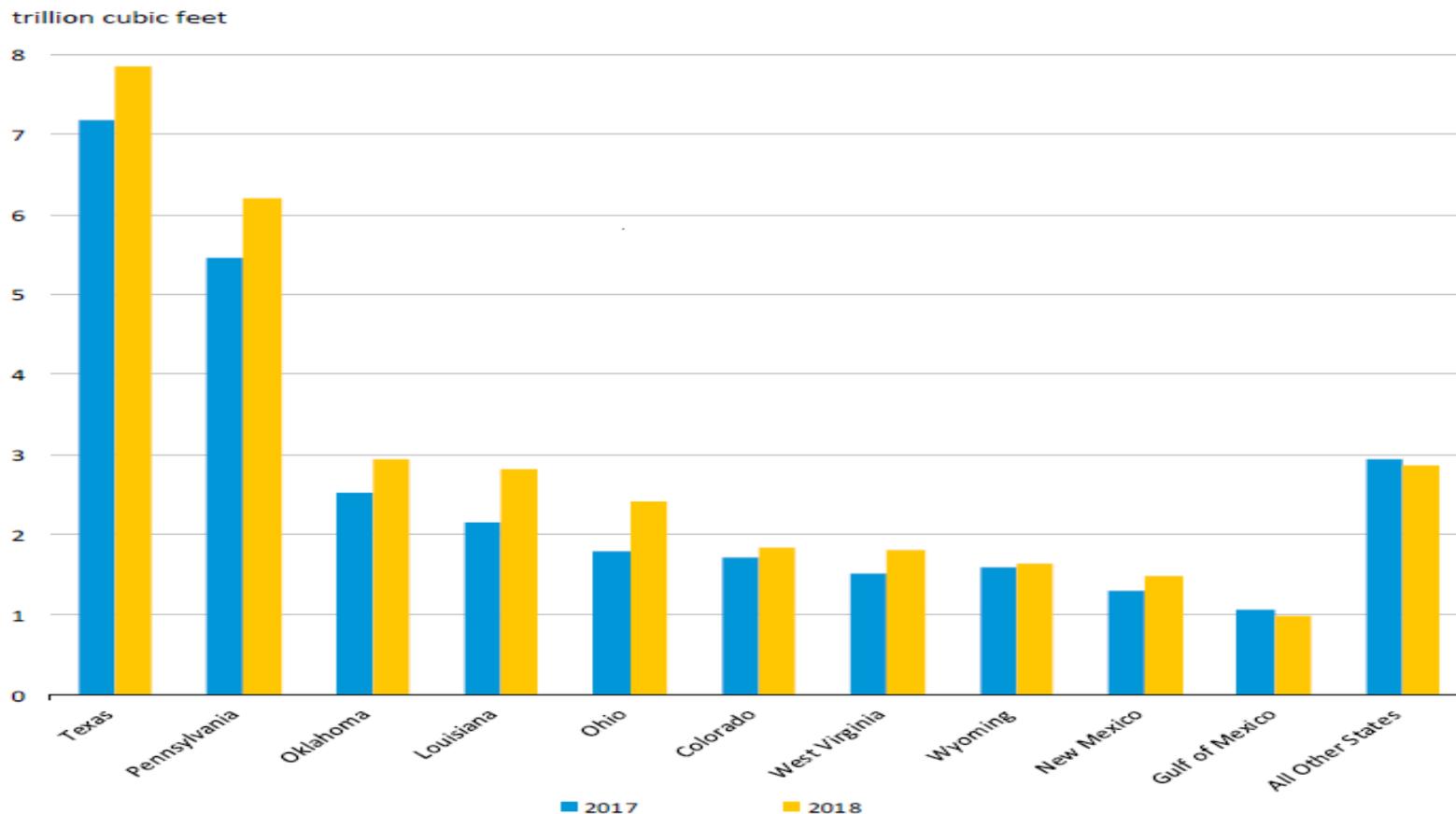
- Rockies Express (REX) to Lange
 - 24 inch pipe
 - 400 MMcf/d capacity
 - Approx. 60 miles
 - Primary delivery interconnect with REX in Scott County, IL
 - Two river crossings
 - Primary receipt at a point proximate to Spire Missouri Gas Company's Lange storage facility in St. Louis County



Access to liquid supply points

2018

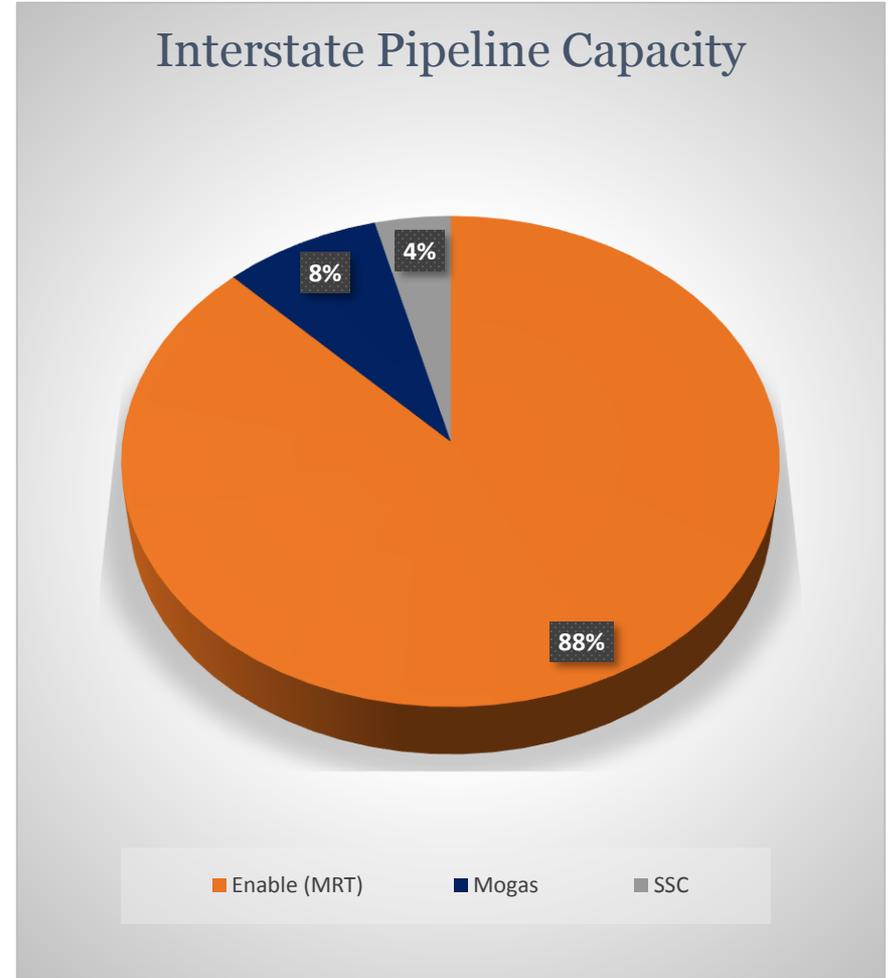
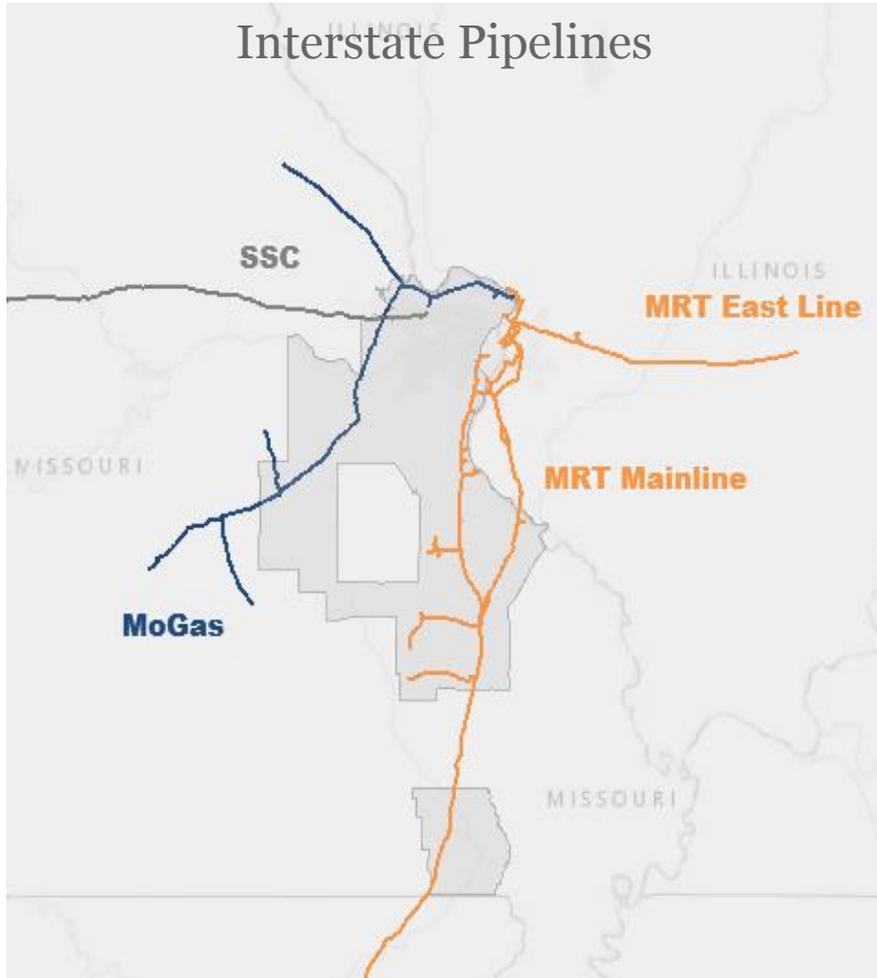
Figure 4. Marketed production of natural gas in selected states and the Gulf of Mexico, 2017-2018



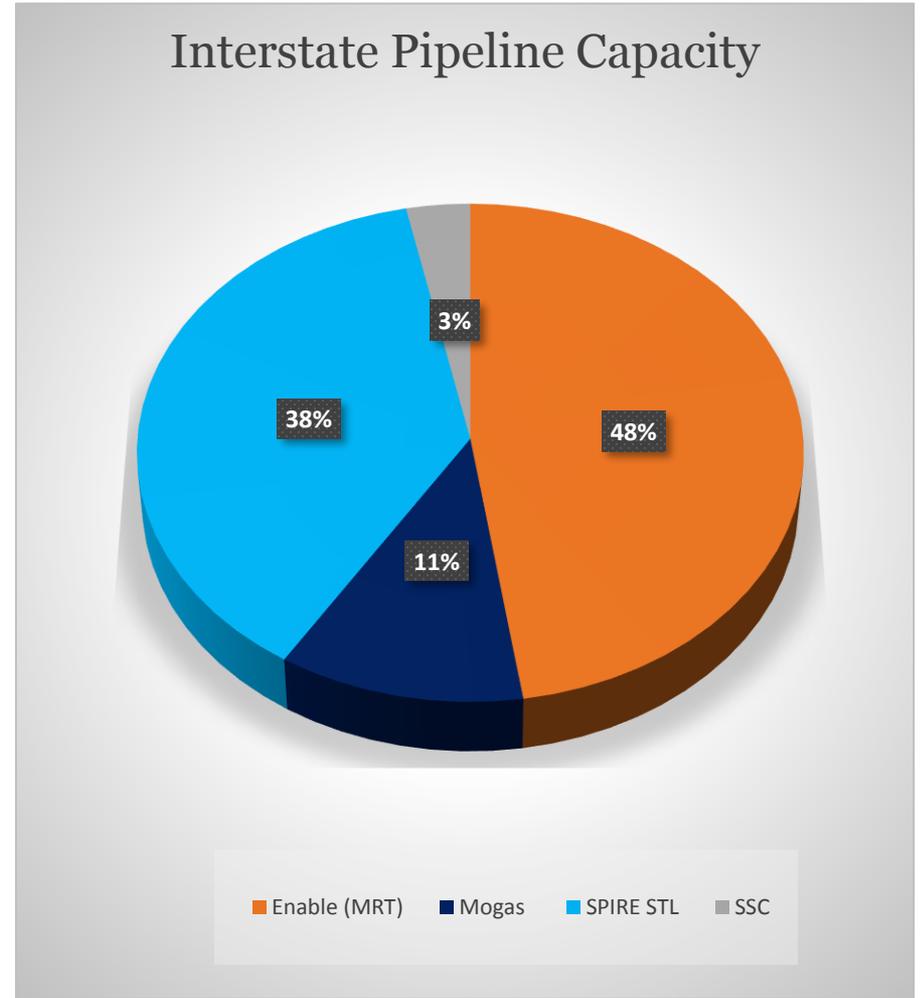
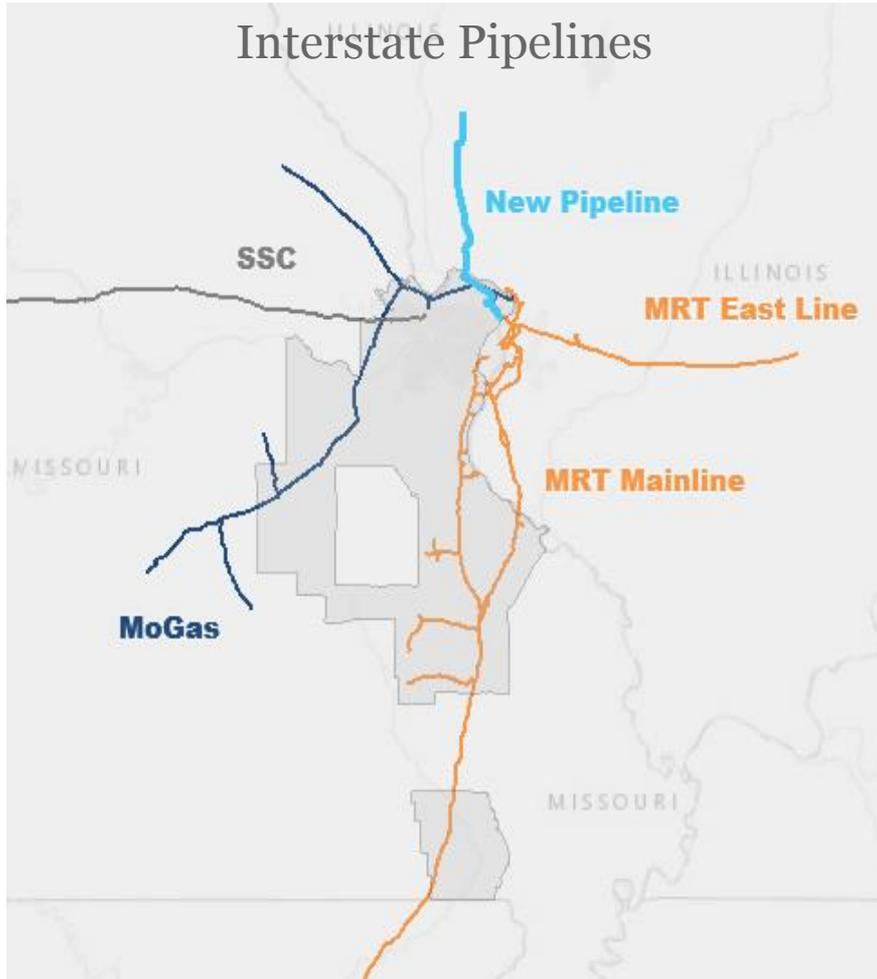
Sources: Production data for all natural gas producing states were obtained directly from state and federal agencies, state-sponsored public record databases, or commercial data vendors such as PointLogic Energy and Enverus DrillingInfo. Other sources of production data include responses to the mandatory Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report." Additional data derived from Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-65A, "Annual Report of the Origin of Natural Gas Liquids Production"; the Bureau of Safety and Environmental Enforcement; Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves"; and EIA estimates based on historical data.



Legacy St. Louis Market



St. Louis Market With Spire STL



Missouri Natural Gas Pipelines

Prepared by
Missouri Public Service Commission



(Not to Scale)

- Intrastate Natural Gas Pipelines
- Communities having or approved for natural gas
- Denotes change of ownership
- Interstate Natural Gas Transmission Company Pipelines
- FERC jurisdiction.
- Denotes municipally-owned power plant (e.g. Marshall, Mo.)

Safety of natural gas service directly to large industrial customer is regulated by the Missouri Public Service Commission.

Natural gas is distributed to the City of St. Louis and all areas of St. Louis County by Spire Missouri East

The MoPSC has pipeline safety jurisdiction over municipally-owned natural gas operators and intrastate investor-owned natural gas companies. These municipally-owned natural gas operators are listed below and the six intrastate investor-owned natural gas companies under MoPSC pipeline safety jurisdiction are highlighted in the Gas Pipeline Index table at the bottom of the map.

Note: Some municipals not listed are in a joint utility agreement with other municipal operators.

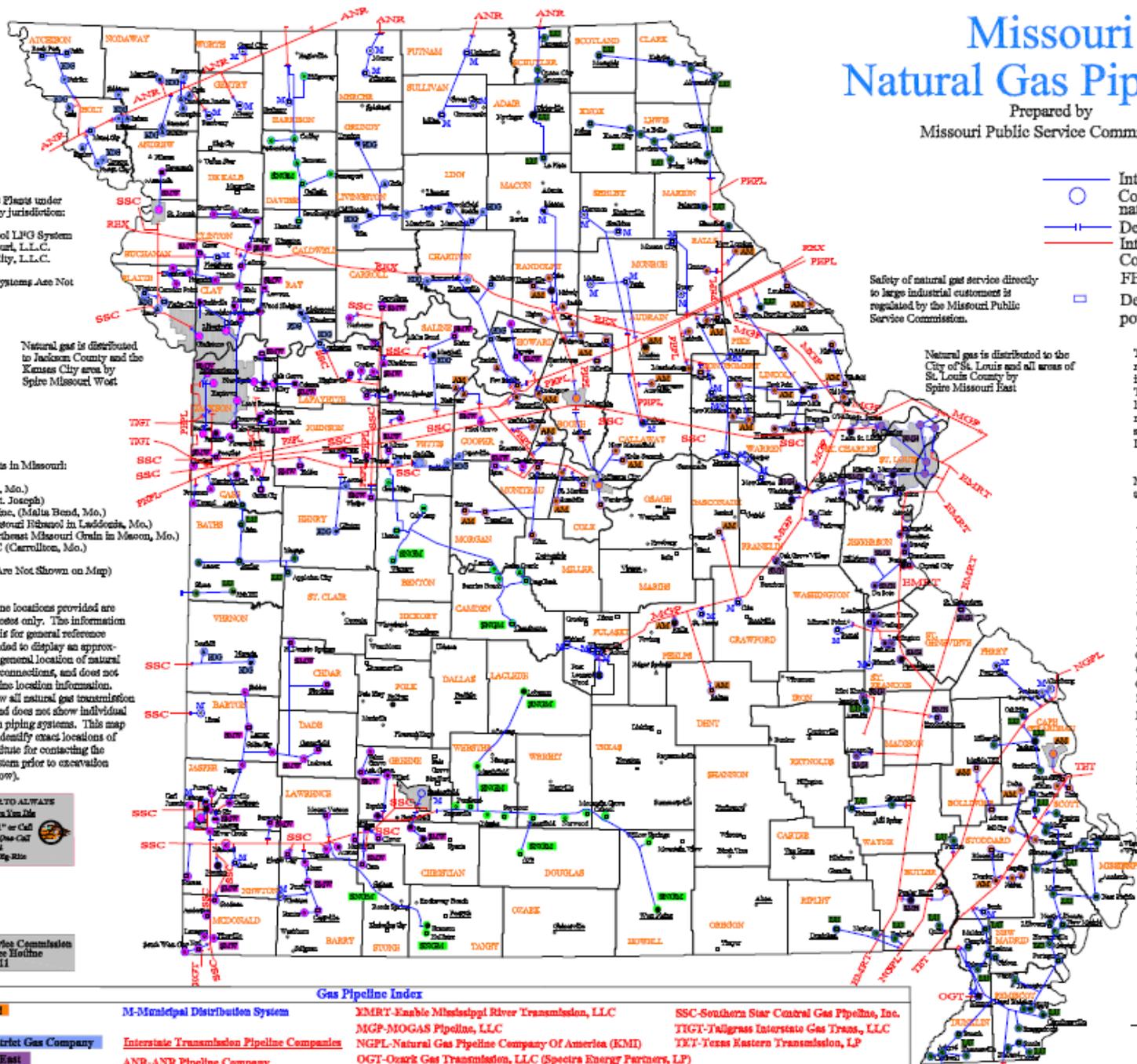
Albany	Monroe City
Allenburg/Probas	Montgomery City
Berger	New Florence
Berzle	New Haven
Bethany	Oranogo
Bismark	Paris
Clarence	Perry
Cuba	Perryville
Fulton	Plattsburg
Geary	Potosi
Grant City	Princeton
Green City	Richland
Hermann	St. James
Kennett	St. Robert
Liberal	Shelbina
Mason	City Utilities of Springfield
Madison	Sturberry
Marshall	Unionville
Mercer	Waynesville
Middletown	Wheaton

2010 Population of Incorporated Missouri Cities and Towns
(Data furnished by the Missouri Census Data Center)

- 1 TO 249
- 250 TO 999
- 1,000 TO 4,999
- 5,000 TO 9,999
- 10,000 TO 19,999
- 20,000 AND OVER

— UNDERLINE INDICATES COUNTY SHAT

Revised: July 12, 2018



Missouri Landfill Gas Plant under MoPSC pipeline safety jurisdiction:
Pattersonville High School LNG System
Toro Energy of Missouri, L.L.C.
Americo Jefferson City, L.L.C.
(These Landfill Gas Systems Are Not Shown on the Map)

Natural gas is distributed to Jackson County and the Kansas City area by Spire Missouri West

Operating Ethanol Plants in Missouri:
Golden Triangle (Craig, Mo.)
LifeLine Foods, LLC (St. Joseph)
M&E Missouri Energy, Inc. (Malia Bend, Mo.)
POET Biorefining (Missouri Ethanol in Leddsboro, Mo.)
POET Biorefining (Northwest Missouri Grain in Mason, Mo.)
Show-Me Ethanol, LLC (Carrleton, Mo.)
(These Ethanol Plants Are Not Shown on Map)

DISCLAIMER: Pipeline locations provided are for informational purposes only. The information displayed on this map is for general reference purposes only, it is intended to display an approximate depiction of the general location of natural gas pipeline and interconnections, and does not provide accurate pipeline location information. This map may not show all natural gas transmission pipelines or laterals, and does not show individual natural gas distribution piping systems. This map should not be used to identify exact locations of pipelines, or as a substitute for contacting the Missouri One-Call System prior to excavation activities (see note below).



Missouri Public Service Commission
Consumer Service Hotline
1-800-393-4211

Gas Pipeline Index		
AM -Ameren Missouri	M -Municipal Distribution System	XMRT -Xcel Mississippi River Transmission, LLC
EDG -The Empire District Gas Company	ITC -Interstate Transmission Pipeline Companies	MGP -MOGAS Pipelines, LLC
SMI -Spire Missouri East	ANR -ANR Pipeline Company	NGPL -Natural Gas Pipeline Company of America (KMD)
SMIW -Spire Missouri West	AWG -Arlansas Western Gas Company	OGT -Ozark Gas Transmission, LLC (Spectra Energy Partners, LP)
SNGM -Summit Natural Gas of Missouri	EGT -Enable Gas Transmission, LLC	FEPL -Frontier Eastern Pipeline Company
		REX -Reclides Express Pipeline, LLC
		SSC -Southern Star Central Gas Pipeline, Inc.
		TIGT -Tulgas Interstate Gas Trans., LLC
		TET -Texas Eastern Transmission, LP

Questions?

Thank you