

The Pipeliner's Association of Houston
INGAA Foundation's Outlook
January 4, 2016



Robert A. Riess, Sr.
President & CEO

"Opportunities for Pipeline Construction 2016 and Beyond"

Strong and Healthy!!

Or Too Strong?



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Sheehan Pipe Line Construction Company Legal Disclaimer

The information about to be presented is our “**best guess**” of the industry and all it’s complexities. The names have been changed to protect the innocent!



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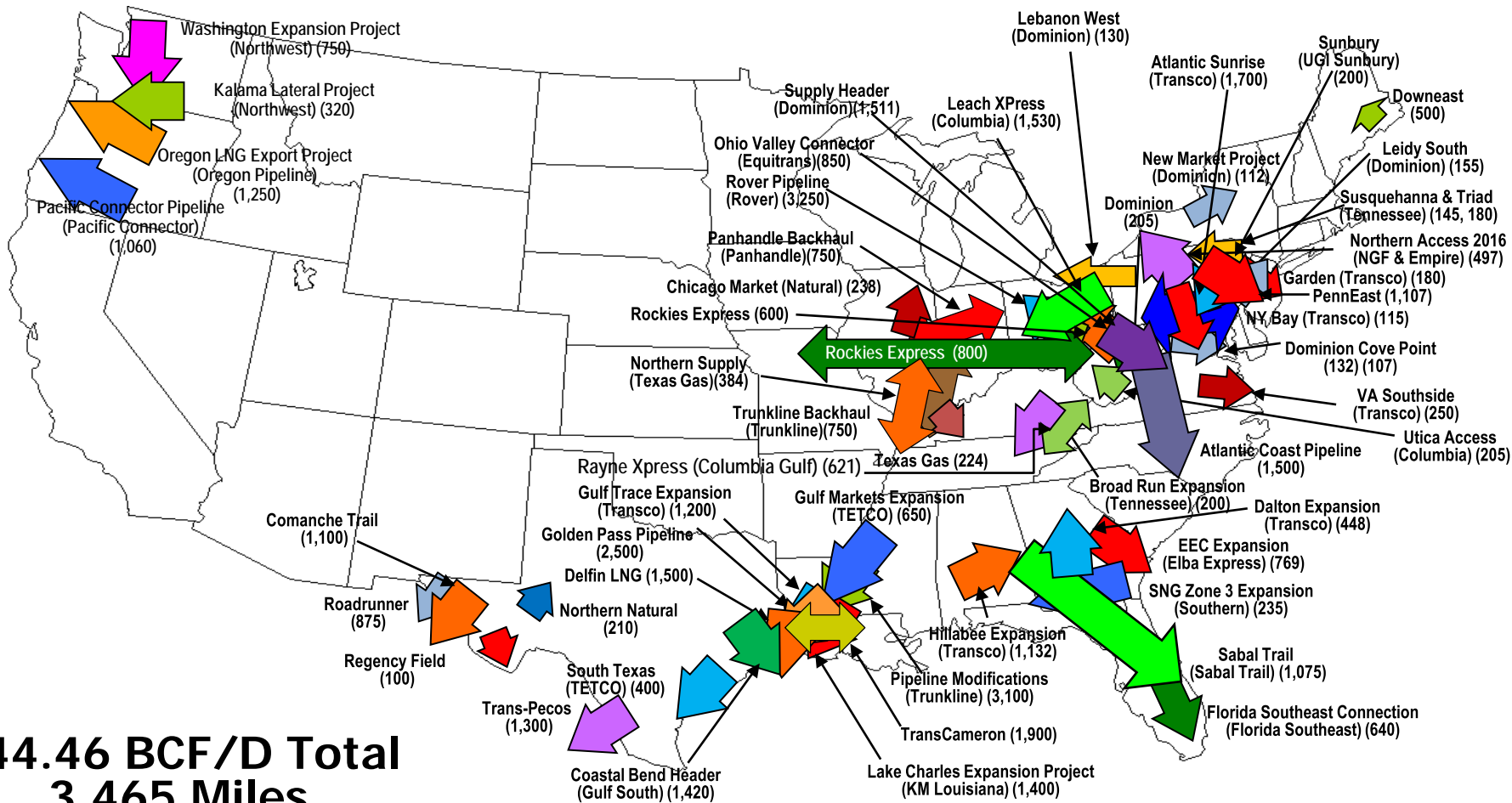
Composition of Pipeline Construction

- 1) Mainline Transmission Pipelines
- 2) Mid-Size and Lateral Pipelines
- 3) Mid-Stream Shale Market
- 4) Integrity Management Projects
- 5) Facility Construction



Major Pipeline Projects Pending (MMcf/d)

September 2015



44.46 BCF/D Total
3,465 Miles

2016 Pipeline Construction Outlook

Energy Transfer Partners, LP

- a) Lone Star Pipeline – 6 Spreads of 24” and 30”
- b) Dakota Access Pipeline Project – 10 Spreads of 30”
- c) Energy Transfer Crude Oil Pipeline – 1 Spread of 30”
- d) Rover Pipeline – 10 Spreads of 42” and 36” **(Delayed)**
- e) Waha Pipeline – 2 Spreads of 42”
- f) Sunoco Logistics Mariner East 2 – 8 Spreads of 16” and 20”
- g) Revolution Pipeline – 1 Spread of 30”**

Total ETC Spreads = ~~37~~ **28**



2016 Pipeline Construction Outlook

Spectra Energy

- a) AIM Project – 3 Spreads of 42”, 36”, and 12”
- b) Sabal Trail Project – 5 Spreads of 36”
- c) Loudon Expansion Project – 1 Spread of 12”

Total Spectra Spreads = 9

Enbridge Energy Company, Inc.

- a) Sandpiper Project – 3 Spreads of 24” and 30”

Delayed

Total Enbridge Spreads = ~~3~~0

Columbia Pipeline Group

- a. Gibraltar – 1 Spread of 36”

Total Columbia Spreads = 1



2016 Pipeline Construction Outlook

Williams Companies

- a) Constitution Pipeline – 3 Spreads of 30"
- b) Atlantic Sunrise – 7 Spreads of 36" and 42" **(Delayed)**
- c) Hillabee Expansion Project – 1 Spread of 42" and 48"
- d) New York Mainline Loop Project – 1 Spread of 16"

Total Williams Spreads = ~~12~~**5**

Kinder Morgan

- a. Utica Marcellus Texas Pipeline – 5 Spreads of 24"
- b. Connecticut Expansion – 1 Spread of 24" and 36"

Total Kinder Morgan Spreads = 6

Sempra Pipelines and Storage

- a. North/South Project – 2 Spreads of 36"

Total Sempra Spreads = 2



2016 Pipeline Construction Outlook

Enterprise

- a) Aegis Pipeline – 1 Spread of 20”
- b) Hobbs, NM to Midland, TX – 1 Spread of 36”
- c) Carthage to Mt. Belvieu – 2 Spreads of 36”

Total Enterprise Spreads = 4

Marathon

- a. Cornerstone Project – 1 Spread of 16”

Total Marathon Spreads = 1



2016 Pipeline Construction Outlook

Enable Midstream Partners

- a) Bennington Expansion Project – 1 Spread of 36"
- b) Wild Horse Project – 1 Spread of 36"

Total Enable Spreads = 2

National Fuel Gas

- a) Tioga Co. Expansion Project – 1 Spread of 24"
- b) Northern Access – 4 Spreads of 24"

Total National Fuel Spreads = 5

Oneok

- a) Road Runner Project – 2 Spreads of 30"

Total Oneok Spreads = 2



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2016 Pipeline Construction Outlook

UGI

- a) Sunbury Lateral – 1 Spread of 24”

Total UGI Spreads = 1

Magellan

- a) Denver to Cushing Project – 6 Spreads of 20”

Total Magellan Spreads = 6

NextEra Energy

- a) Florida Southeast Connector – 1 Spread of 36”

Total NextEra Spreads = 1



2016 Pipeline Construction Outlook

Plains All-American

- a. Duncan/Longview Project – 2 Spreads of 16”

Total Plains Spreads = 2

Equitable Gas Transmission

- a. Ohio Valley Connector – 2 Spreads of 30” and 24”

Total EQT Spreads = 2

Lateral Construction & Midstream Projects

- a) Various Pipe Diameters and Lengths

Total Estimated Spreads = 23



2017 Pipeline Construction Outlook

Energy Transfer Partners, LP

- a) Rover Pipeline – 4 **14** Spreads of 42” and 36”

Total ETC Spreads = 4**14**

Boardwalk Pipeline Partners

- a) Coastal Bend Header – 1 Spread of 36”

Total Boardwalk Spreads = 1

Plains All-American

- a. Diamond Pipeline – 4 Spreads of 20”

Total Plains Spreads = 4

Dominion Transmission, Inc.

- a) Atlantic Coast Pipeline – 7 Spreads of 42” and 36”

Total Dominion Spreads = 7



2017 Pipeline Construction Outlook

Enbridge Energy Company, Inc.

a) Sandpiper Project – 4 ~~7~~ Spreads of 24” and 30”

b) Line 3 Replacement Project – 4 Spreads of 36”

Total Enbridge Spreads = ~~8~~ **11**

Equitable Gas Transmission

a) Mountain Valley Pipeline – 7 Spread of 42”

Total EQT Spreads = 7

Spectra Energy

a) Nexus Gas Transmission – 5 Spreads 36”

b) Atlantic Bridge – 3 Spreads of 12”, 30”, 36”, and 42”

c) Adair Southwest – 1 Spread of 36”

Total Spectra Spreads = 9



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2017 Pipeline Construction Outlook

Pilgrim Pipeline Holdings

- a) Pilgrim Pipeline Project – 6 Spreads 20” and 18”

Total Pilgrim Spreads = 6

Tallgrass Energy

- a. Prairie State Pipeline – 2 Spreads of 36”

Total Tallgrass Spreads = 2

Williams Companies

- a. Dalton Expansion Project – 2 Spreads of 24” and 20”

- b. Atlantic Sunrise – 7 Spreads of 36” and 42”**

Total Williams Spreads = ~~2~~ **9**



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2017 Pipeline Construction Outlook

Kinder Morgan

- a) Bullet Line Project – 5 Spreads 30” and 36”
- b) Susquehanna Project – 1 Spread of 36”
- c) Utopia East Project – 6 Spreads of 12”
- d) Utica Marcellus Texas Pipeline – 5 Spreads of 24”
- e) Palmetto Pipeline – 3 Spreads of 16”

Total KM Spreads = 20



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2017 Pipeline Construction Outlook

Cheniere Energy

- a) Corpus Christi Project – 1 Spread 48”

Total Cheniere Spreads = 1

Enterprise

- a. Midland to Sealy – 5 Spreads of 24”

Total Enterprise Spreads = 5

NiSource

- a) Leach Express – 4 Spreads of 36”

Total NiSource Spreads = 4

Lateral Construction & Midstream Projects

- a) Various Pipe Diameters and Lengths

Total Estimated Spreads = 20



2018 Pipeline Construction Outlook

Dominion Transmission, Inc.

a) Atlantic Coast Pipeline – 7 Spreads of 42” and 36”

Total Dominion Spreads = 7

Spectra Energy

a. Northeast Access – 1 Spread of 42”

Total Spectra Spreads = 1

Pilgrim Pipeline Holdings

a) Pilgrim Pipeline Project – 6 Spreads 20” and 18”

Total Pilgrim Spreads = 6

Equitable Gas Transmission

a) Mountain Valley Pipeline – 5 Spread of 42”

Total EQT Spreads = 5



2018 Pipeline Construction Outlook

Enbridge Energy Company, Inc.

a) Line 66 Replacement Project – 6 Spreads of 36”

Total Enbridge Spreads = 6

Williams Companies

a) Northwest Pipeline Pacific Connector – 6 Spreads 36”

Total Williams Spreads = 6

Kinder Morgan

a) Northeast Energy Direct Project – 6 Spreads of 30”

b) LA to TX NGL Line – 2 Spreads of 24” and 26”

c) Palmetto Pipeline – 3 Spreads of 16”

Total KM Spreads = 11



2018 Pipeline Construction Outlook

Columbia Pipeline Group

- a) Mountaineer Express – 8 Spreads of 36"
- b) WB Express Project – 1 Spread of 26"

Total Columbia Spreads = 9

UGI

- a. Penn East Project – 4 Spreads of 36"

Total UGI Spreads = 4

Iroquois Pipeline Operating Company

- a) NY Marc Penn Option – 5 Spreads of 36"

Total Iroquois Spreads = 5



2018 Pipeline Construction Outlook

Millennium

- a) Tie Line Project – 2 Spreads of 24"

Total Millennium Spreads = 2

National Fuel Gas

- a. Overbeck to Leidy – 3 Spreads of 36" and 42"

Total National Fuel Spreads = 3

ANR

- a. **Market Access – 3 Spreads of 24" or 30"**

Total ANR Spreads = 3

Lateral Construction & Midstream Projects

- a) Various Pipe Diameters and Lengths

Total Estimated Spreads = 20



Estimated Spread Requirements

2016 - ~~119~~ **100** Spreads

2017 - ~~100~~ **120** Spreads

2018 - ~~85~~ **88** Spreads



Contractor's Spread Capacity

-Estimated Contractor Mainline Spread Availability

-70 Mainline Spreads (Approximately 35 Contractors)

-Estimated Contractor Mid-Size Spreads

-35 Mid-Size Spreads (???)

-Total Estimated Contractor Spread Availability

-105 Spreads



Industry Challenges and Concerns

1. Secure and provide quality materials (i.e. pipe, valves, and fittings)?
2. Qualified engineers, surveyors, inspectors, safety, and quality personnel.
3. Adequate specialized contractor availability (i.e. Directional Drilling, NDE, Clearing, etc.)
4. Similar resources will be required for facility construction and integrity management programs.
5. Federal and State Permitting Delays.
6. Public Opposition.



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Industry Opportunities

1. Safety & Quality Excellence
2. Training of Personnel
3. Public Perception and Support
4. Relationship with your Partners
5. Resource Availability



Thank You!

Questions ?



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