



# Natural Gas Market Outlook

FGU Conference, June 2017

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# Important Information

## Forward-looking statements disclosure

Statements made at this conference or in the materials distributed in conjunction with this conference that contain "forward-looking statements" include, but are not limited to, statements using the words "believe", "expect", "plan", "intend", "anticipate", "estimate", "project", "should" and similar expressions, as well as other statements concerning our future plans, objectives, and expected performance, including statements with respect to the completion, cost, timing and financial performance of growth projects. Such statements are inherently subject to a variety of risks and uncertainties that could cause actual results to differ materially from those projected.

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For information about important Risk Factors that could cause our actual results to differ from those expressed in the forward-looking statements contained in this presentation or discussed at this conference please see "Available Information and Risk Factors," below. Given the Risk Factors referred to below, investors and analysts should not place undue reliance on forward-looking statements.

## Available Information and Risk Factors

We file annual, quarterly and current reports and other information with the Securities and Exchange Commission, or "SEC". Our SEC filings are available to the public over the internet at our website, [www.bwpmllp.com](http://www.bwpmllp.com), and at the SEC's website [www.sec.gov](http://www.sec.gov).

*Our filings with the SEC contain important information which anyone considering the purchase of our debt securities or limited partnership units should read.*

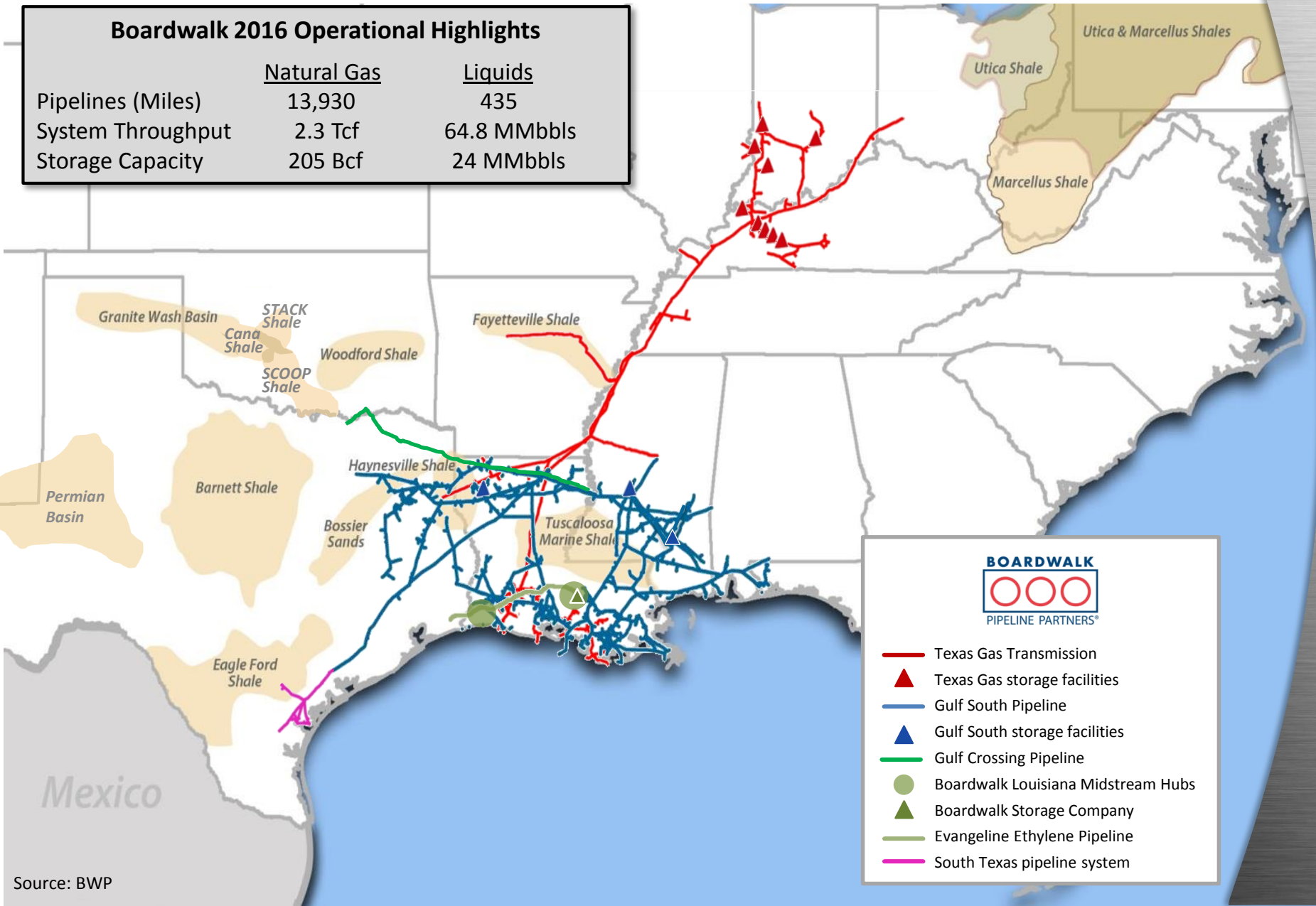
Our business faces many risks. We have described in our SEC filings some of the more material risks we face. There may be additional risks that we do not yet know or that we do not currently perceive to be material that may also impact our business. Each of the risks and uncertainties described in our SEC filings could lead to events or circumstances that may have a material adverse effect on our business, financial condition, results of operations or cash flows, including our ability to make distributions to our unitholders.

Our limited partnership units are listed on the New York Stock Exchange under the trading symbol "BWP".

# Boardwalk is a diversified midstream MLP that primarily transports and stores natural gas and liquids

## Boardwalk 2016 Operational Highlights

	<u>Natural Gas</u>	<u>Liquids</u>
Pipelines (Miles)	13,930	435
System Throughput	2.3 Tcf	64.8 MMbbls
Storage Capacity	205 Bcf	24 MMbbls





# Growth Projects Placed Into Service Since June 2016

These projects added nearly **1.4 Bcf/d** of natural gas transportation services

Project Driver	Project Description	In-Service Date (estimate)
<ul style="list-style-type: none"> <li>• <i>Supply push from Marcellus/Utica production growth (approx. 2/3 of contracted capacity)</i></li> <li>• <i>End-use market: LNG export facility (approx. 1/3 of contracted capacity)</i></li> </ul>	<p>Two projects to provide firm natural gas transportation service primarily from Marcellus and Utica production areas to Louisiana; the addition of north-to-south capacity has made Texas Gas a bi-directional pipeline:</p> <ul style="list-style-type: none"> <li>• <b>Ohio-to-Louisiana Access:</b> 626,000 MMBtu/d of capacity</li> <li>• <b>Northern Supply Access:</b> 284,000 MMBtu/d of capacity</li> </ul>	June 2016 and March 2017, respectively
<p><i>End-use market: power generation</i></p>	<p>Two projects to provide firm natural gas transportation service to new power plants:</p> <ul style="list-style-type: none"> <li>• <b>Western Kentucky Lateral:</b> 230,000 MMBtu/d (Texas Gas)</li> <li>• <b>Power plant in South Texas:</b> 185,000 MMBtu/d (Gulf South)</li> </ul>	September 2016
<p><i>End-use market: industrial</i></p>	<p>Project on Texas Gas to provide firm natural gas transportation service to an industrial customer:</p> <ul style="list-style-type: none"> <li>• <b>Southern Indiana Lateral:</b> 53,500 MMBtu/d</li> </ul>	June 2016

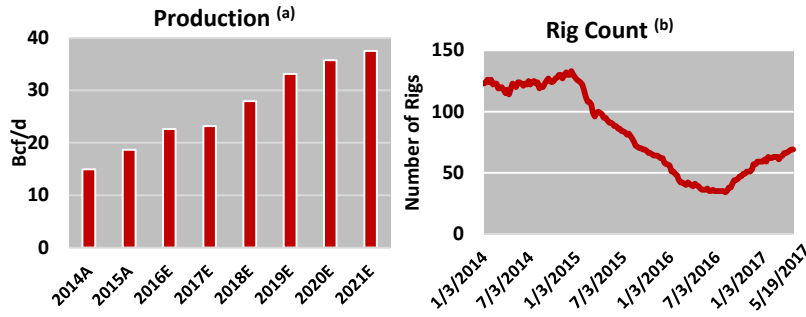
# Growth Projects Underway: \$1.1 Billion Total Capital

These projects will add more than **1.7 Bcf/d** of natural gas transportation services and are consistent with our strategy to serve end-use markets

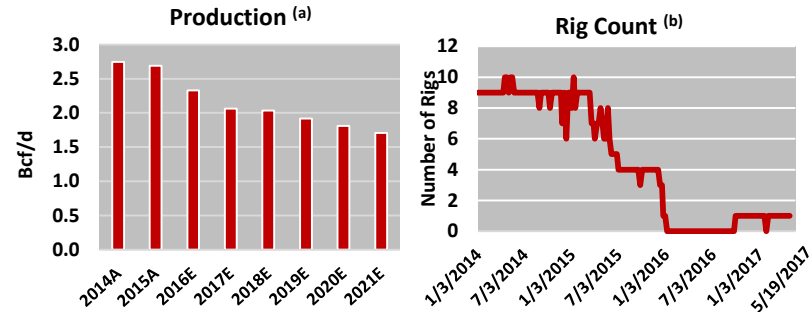
End-Use Market	Project Description	In-Service Date (estimate)
<i>LNG export facility</i>	<b>Coastal Bend Header:</b> Project to provide 1.4 Bcf/d of firm natural gas transportation service to the Freeport LNG liquefaction and export facility in Texas through construction of a 66-mile header pipeline and expansion and modification of a portion of existing Gulf South facilities	2018
<i>Power generation facilities</i>	Projects on Gulf South to provide firm natural gas transportation service to two proposed power plants in Louisiana: <ul style="list-style-type: none"><li>• 133,000 MMBtu/d</li><li>• 200,000 MMBtu/d</li></ul>	2018 and 2019, respectively, subject to customary approvals
<i>Petrochemical facilities</i>	Several Boardwalk Louisiana Midstream projects to provide ethane and ethylene transportation and storage and brine supply services to petrochemical customers in southern Louisiana: <ul style="list-style-type: none"><li>• Project to provide ethane and ethylene transportation and storage service to support the Sasol ethane cracker that is under construction</li><li>• Three projects to provide ethylene transportation and storage service to petrochemical customers</li><li>• Brine supply projects for development of four new wells for brine supply and related infrastructure</li></ul>	H2-2017 through 2019

# Key Supply Basins: Production and Rig Counts

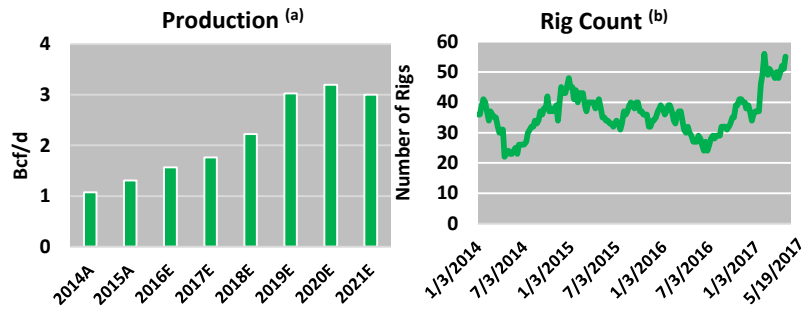
Marcellus/Utica



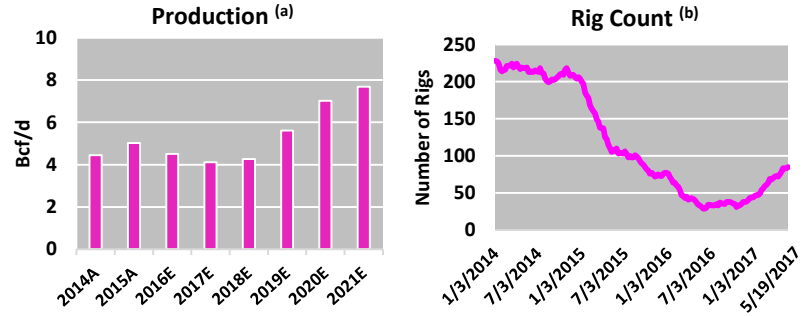
Fayetteville



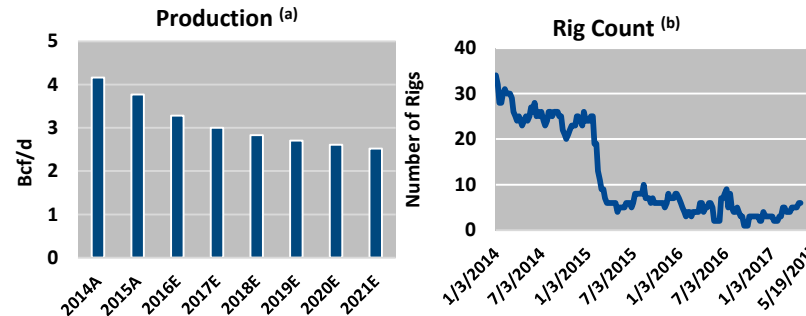
SCOOP/STACK/Cana Woodford



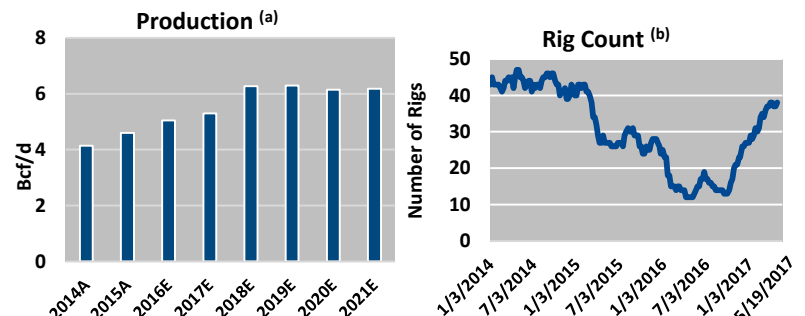
Eagle Ford



Barnett



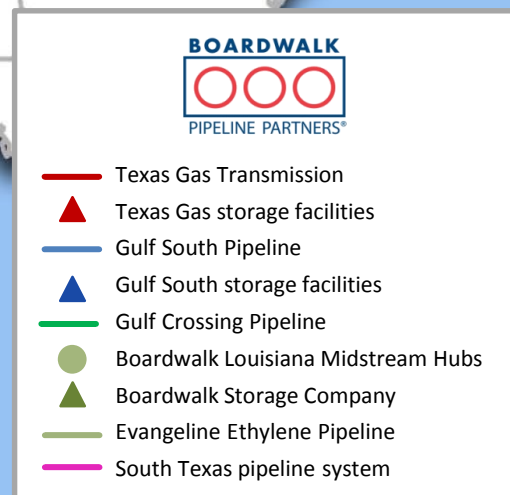
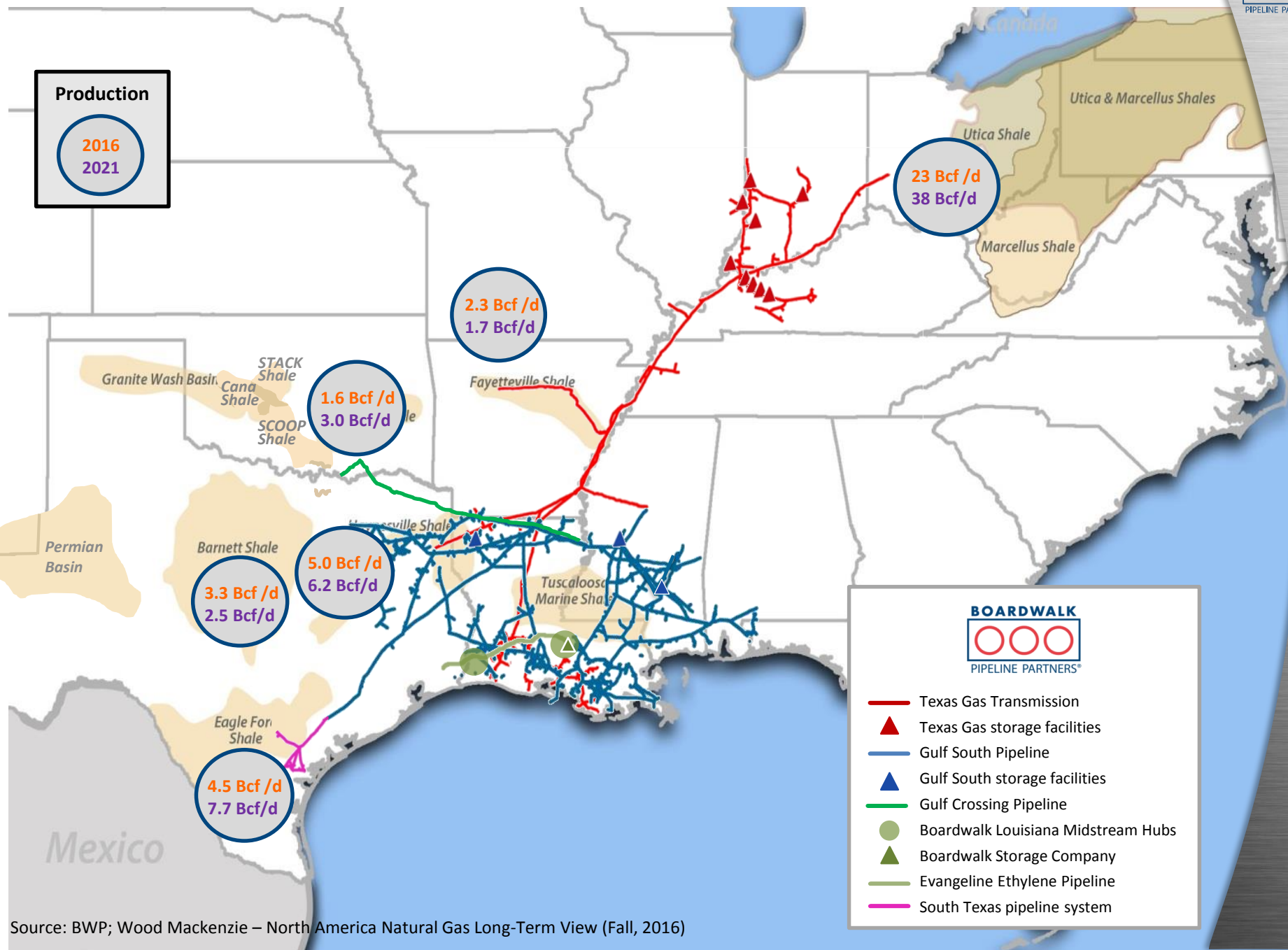
Haynesville



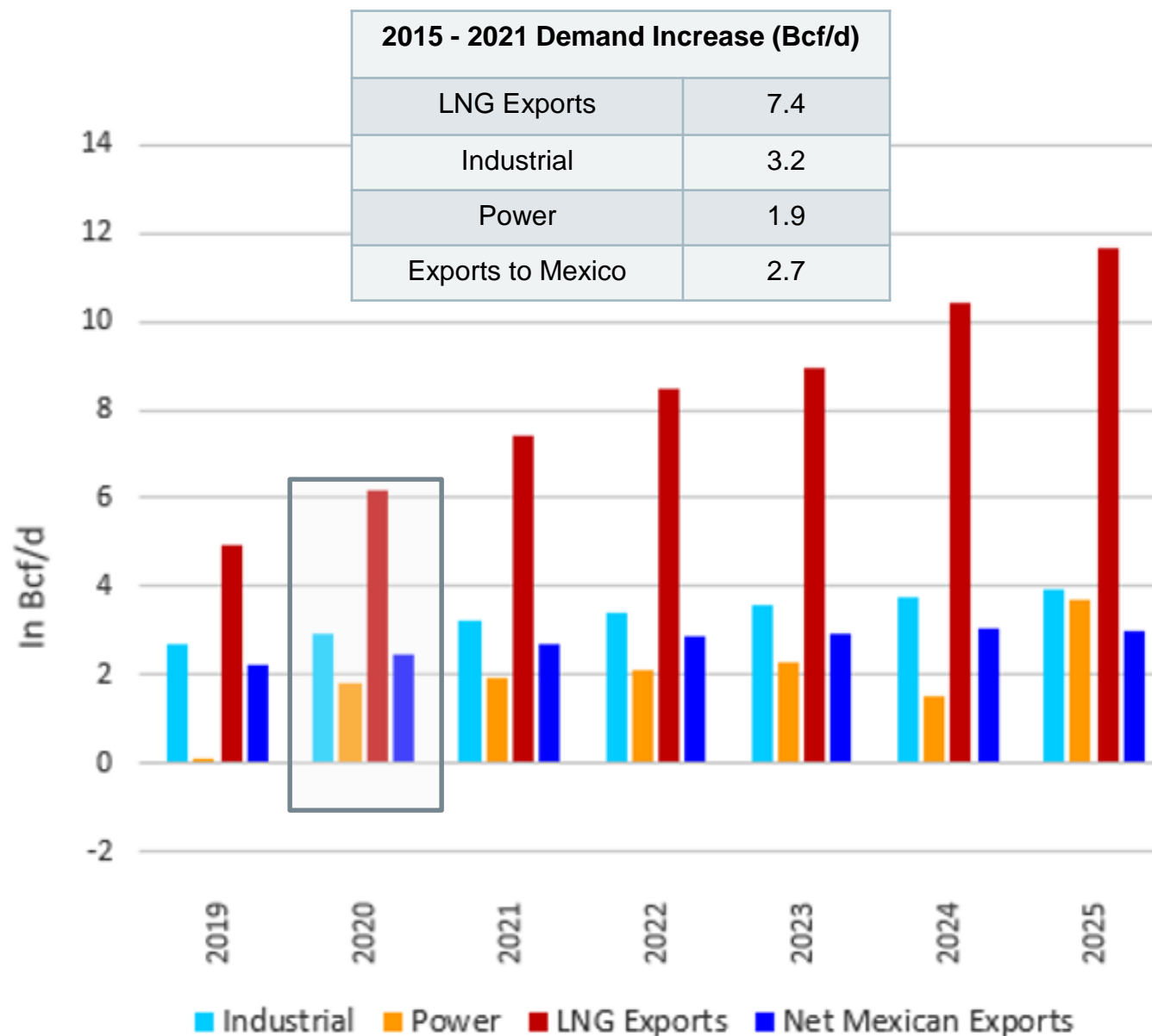
# Boardwalk direct access to Key Supply Basins

## Production

2016  
2021

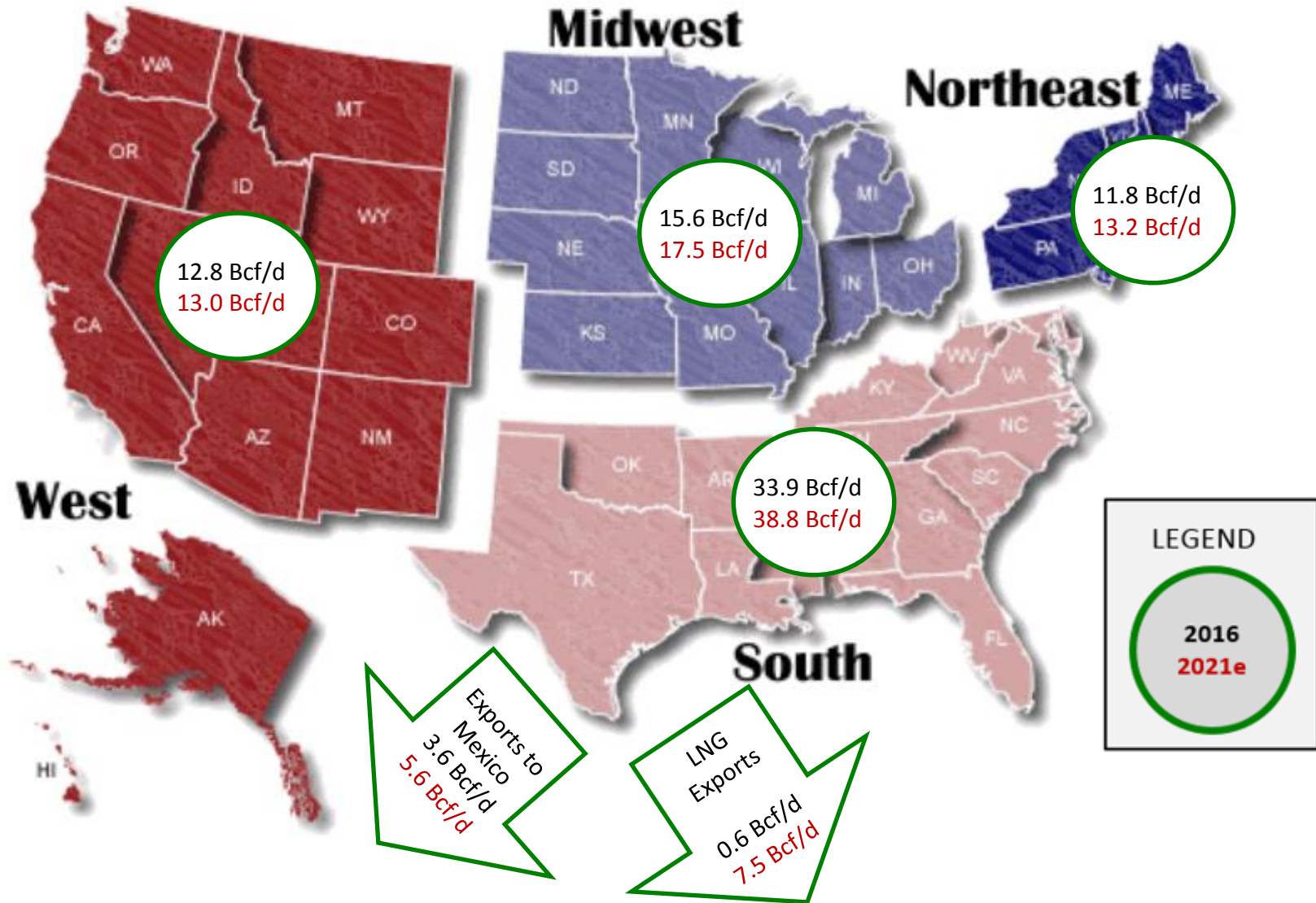


# Exports, Power and Industrial Growth Lead the Way





# Demand Growth and Exports Primarily in South Region

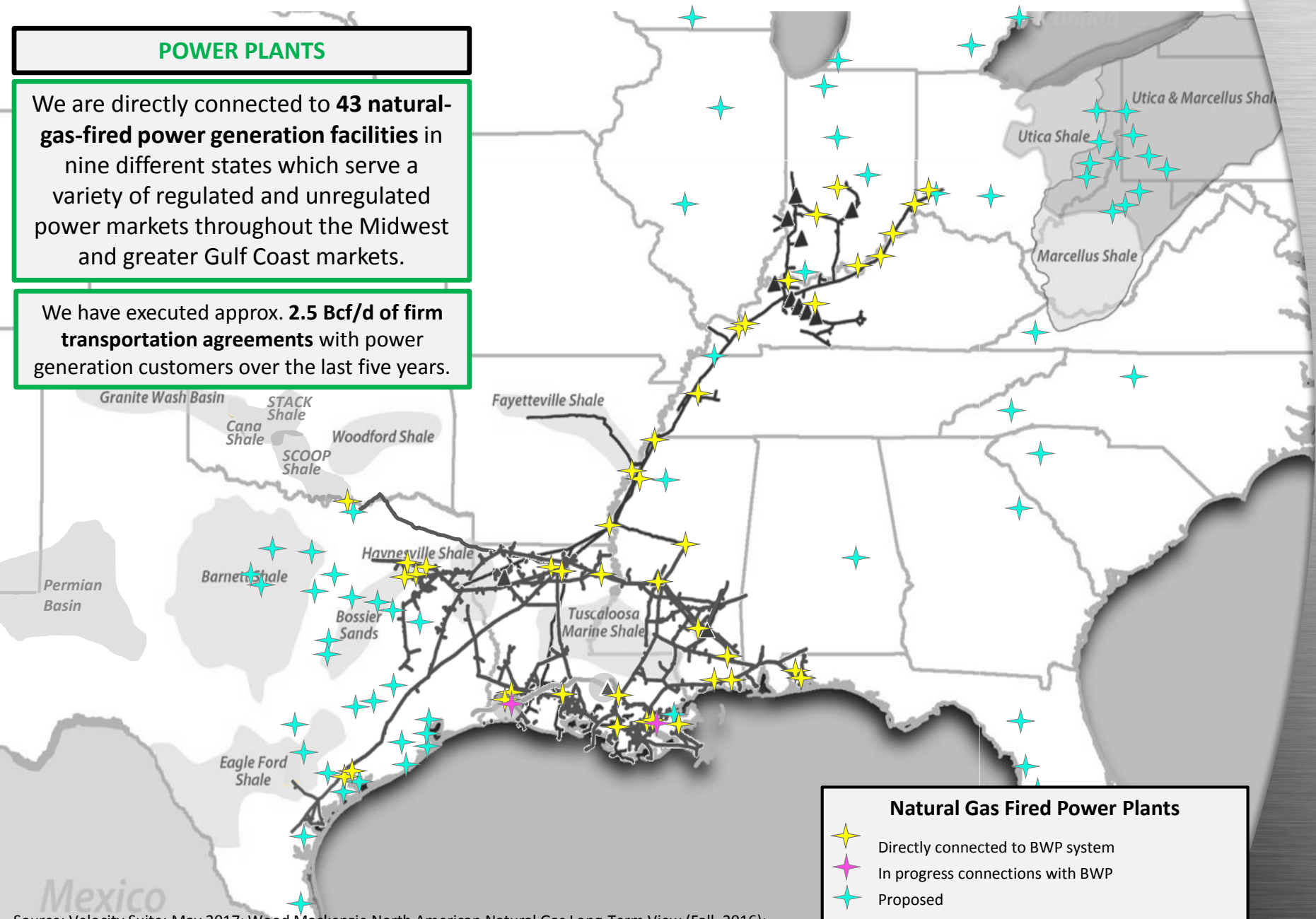


# Demand Growth: Power Plants

## POWER PLANTS

We are directly connected to **43 natural-gas-fired power generation facilities** in nine different states which serve a variety of regulated and unregulated power markets throughout the Midwest and greater Gulf Coast markets.

We have executed approx. **2.5 Bcf/d of firm transportation agreements** with power generation customers over the last five years.

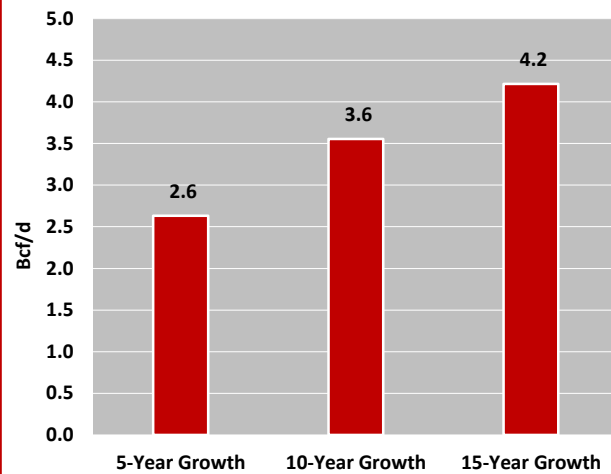


# Demand Forecast: Industrials

## INDUSTRIALS

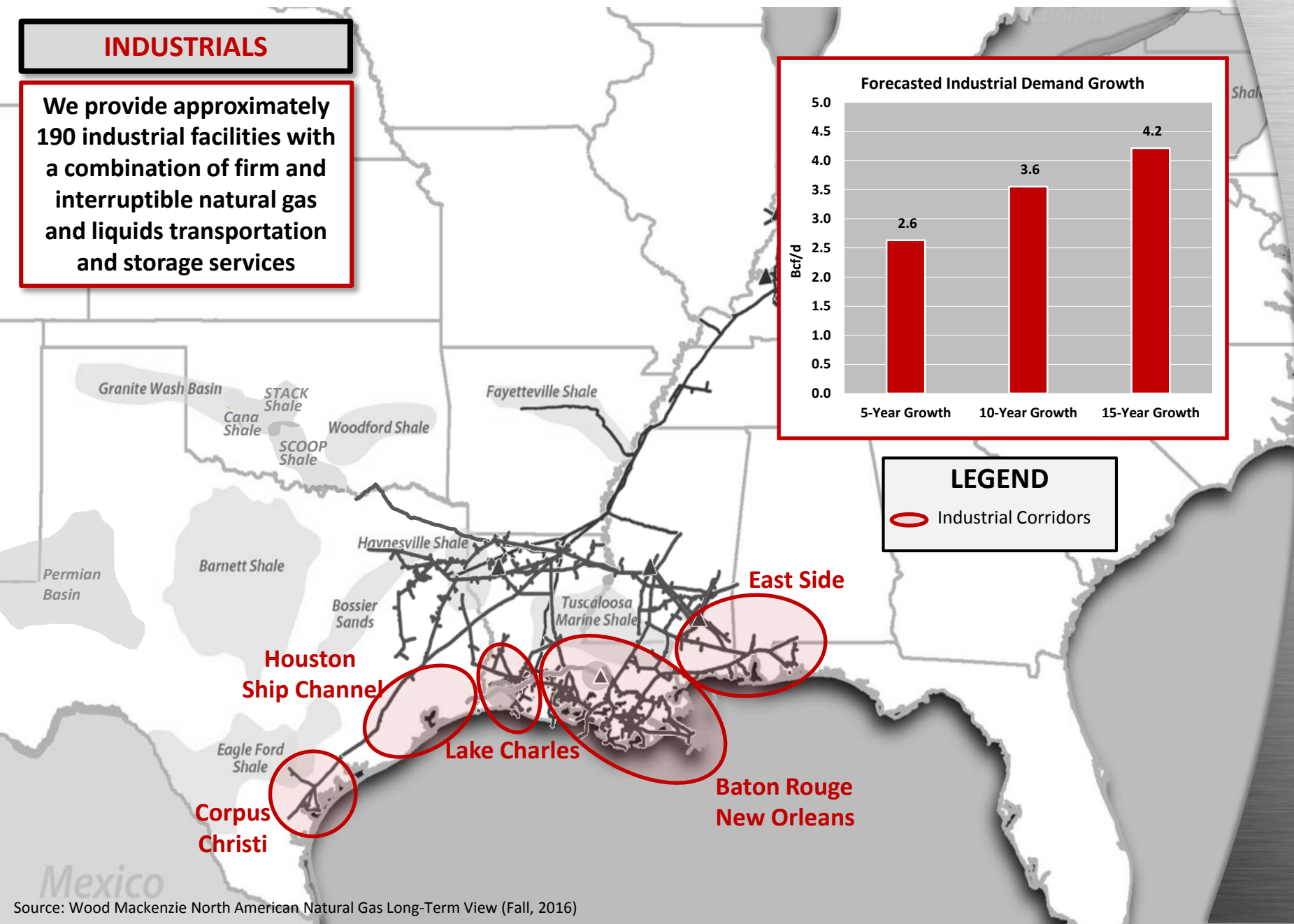
We provide approximately 190 industrial facilities with a combination of firm and interruptible natural gas and liquids transportation and storage services

Forecasted Industrial Demand Growth



## LEGEND

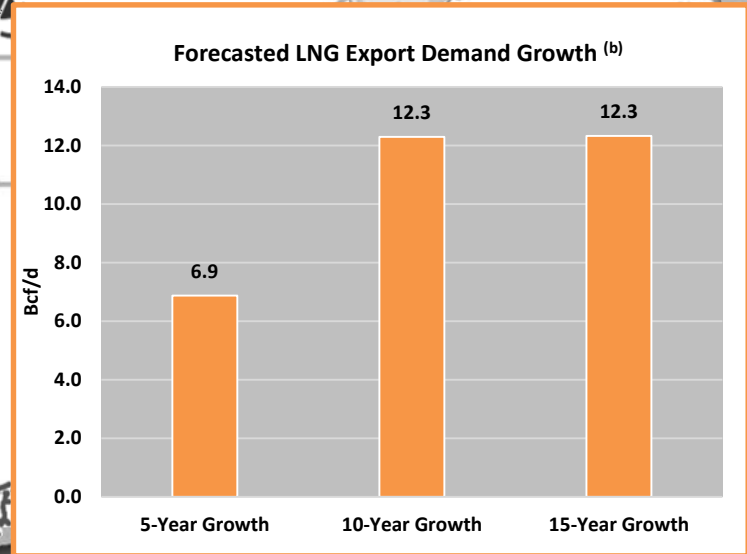
Industrial Corridors



# Demand Forecast: LNG Exports

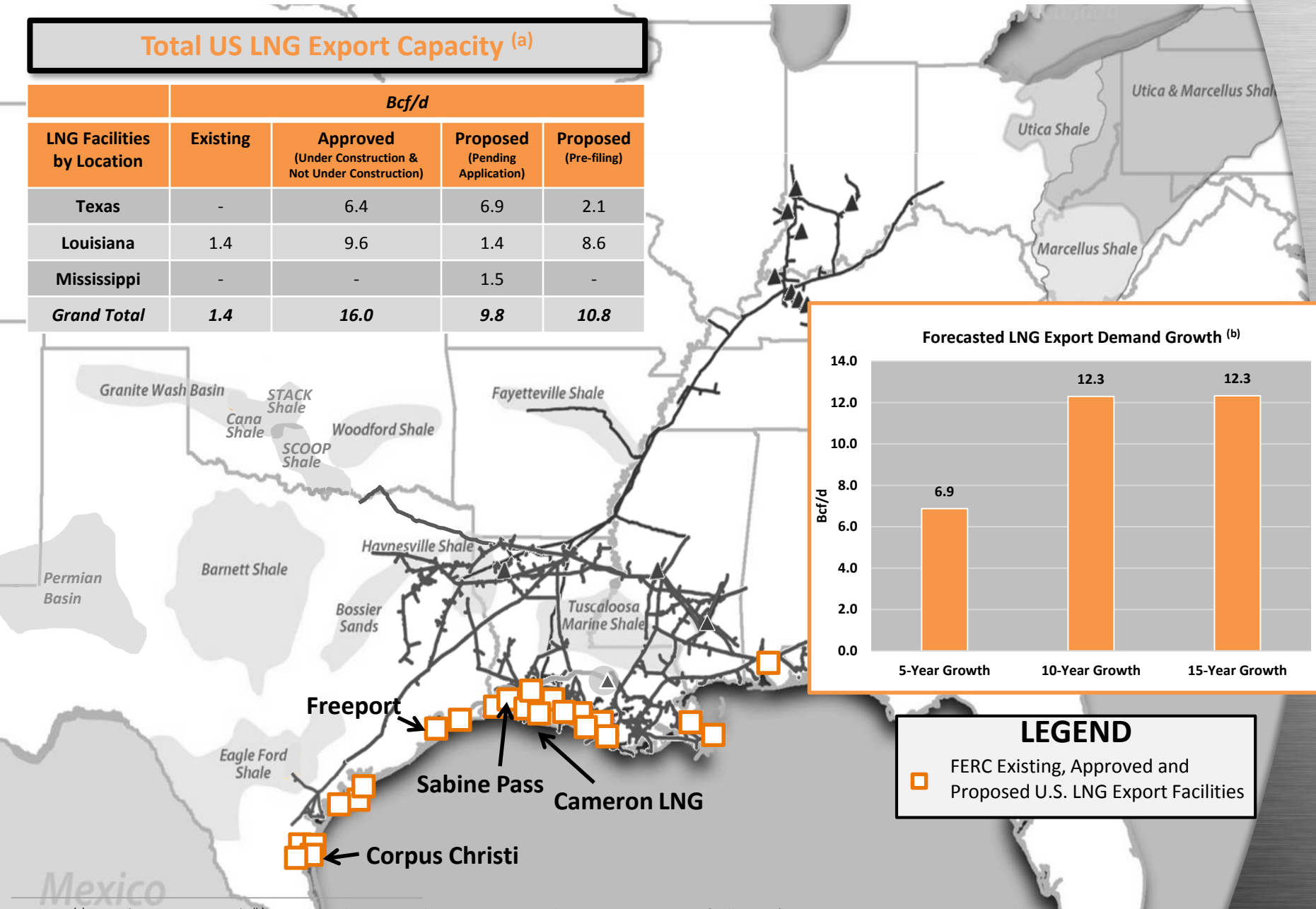
## Total US LNG Export Capacity (a)

LNG Facilities by Location	Bcf/d			
	Existing	Approved (Under Construction & Not Under Construction)	Proposed (Pending Application)	Proposed (Pre-filing)
Texas	-	6.4	6.9	2.1
Louisiana	1.4	9.6	1.4	8.6
Mississippi	-	-	1.5	-
<b>Grand Total</b>	<b>1.4</b>	<b>16.0</b>	<b>9.8</b>	<b>10.8</b>



**LEGEND**

□ FERC Existing, Approved and Proposed U.S. LNG Export Facilities



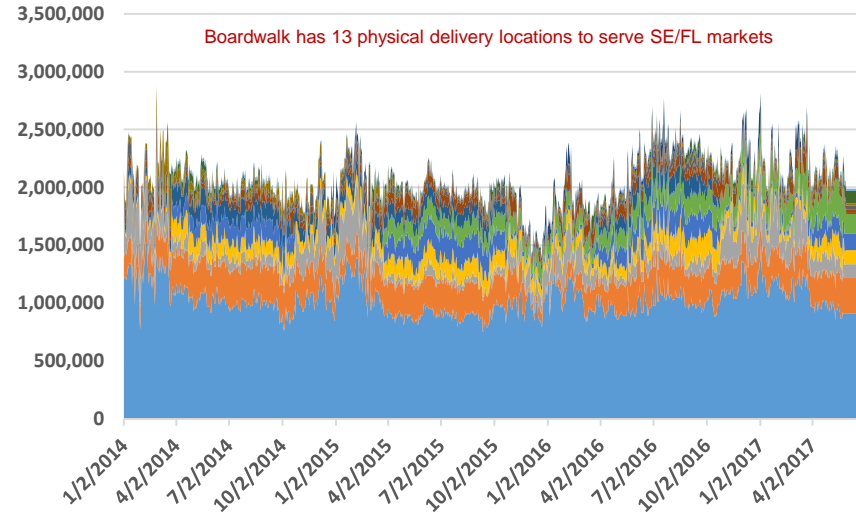


# Boardwalk's Role in Serving Florida: Now & Future

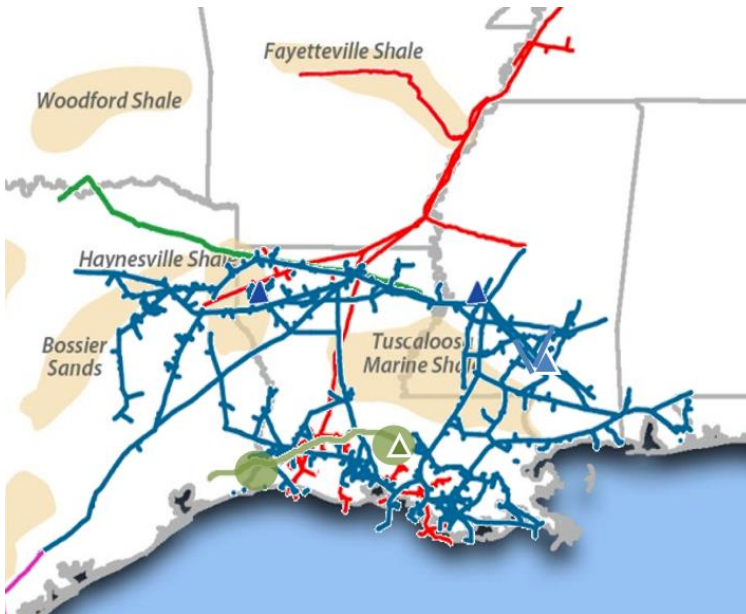
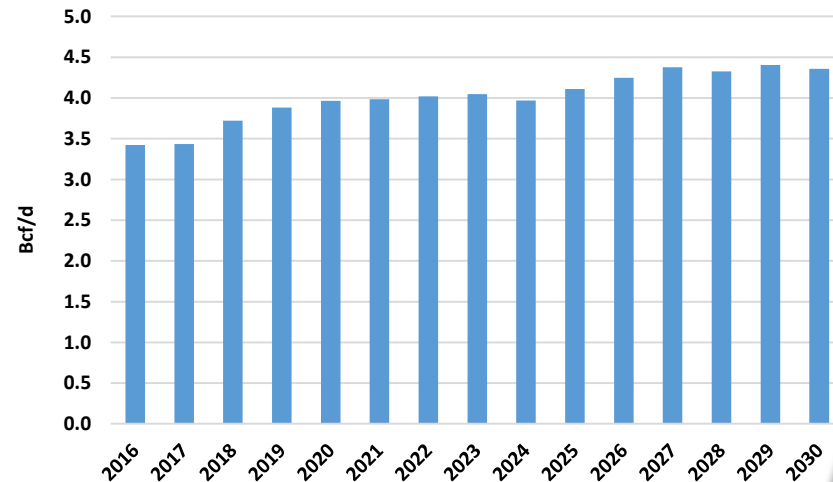
## Key Receipt/Delivery Points

Receipt Points	Delivery Points
Bennington	Transco (T85)
Carthage Hub	Sabal Trail (T85)
Kosciusko	SESH
Perryville Exchange	Destin
*Columbia Gulf	FGT Citygates
*Gulf Crossing	Gulfstream
*Texas Gas	SONAT

## Gulf South and Gulf Crossing Deliveries to SE/FL



## TX/LA/MS/AL Gas Flow to Florida Markets



# Key Takeaways

- Supply is on the rebound
  - Marcellus/Utica still leads the way
  - SCOOP/STACK & Haynesville
- Growing gas demand is led by Gulf Coast
  - Demand pull may change conditions on some pipelines – particularly seasonally
  - End users may need flexibility to pull from multiple sources /locations
- Changing dynamics for the connection of producer push/end-user pull
  - Transco 85/Zone 4/Sabal Trails
  - Perryville
  - Bennington