Natural Gas Fundamentals MMAAA – June 14, 2017

Mark Roberts – Managing Director





Sprague Overview









Company History





Fueling America's Growth 1870 to 1950

- Founded in Boston in 1870 by Charles Sprague
- Supplied whale oil and coal, helping to fuel America's industrialization
- Owned fleet of 27 vessels transporting coal – Thomas Lawson (above)
- Ran Allied coal support efforts in WWI and WWII



Terminals and Fuels Expansion 1950-1960; Energy Crisis 1970 to 1985

- Transitioned to residual fuel oils
- Acquired and built new terminals
- Focused on industrial customers
- Sprague family sold to Royal Dutch Shell...
- ...only to sell to Axel Johnson Inc. two years later
- Expanded into distillate fuels and reseller class of trade
- Built two small refineries



Expanding the Asset Base 1986 to 2000

- Expanded product offerings:
 - Gasoline
 - Natural Gas
- Leveraged terminals for bulk materials handling
 - Coal
 - Gypsum
 - Road Salt
- Initiated bulk liquid storage
 - Asphalt
 - Clay Slurry
 - Vegetable Oil



Expanding Capabilities 2000-2010

- Invested substantially in system/process improvement
- Acquired RAD Energy and expanded delivered business
- Expanded into break bulk handling of paper/forest products
- · Introduced Biofuel
- Acquired Hesco; propelled down-market Natural Gas expansion
- Acquired 50% equity investment in Kildair
 - Asphalt and residual fuel marketing and storage (3.2 MM bbl tankage)

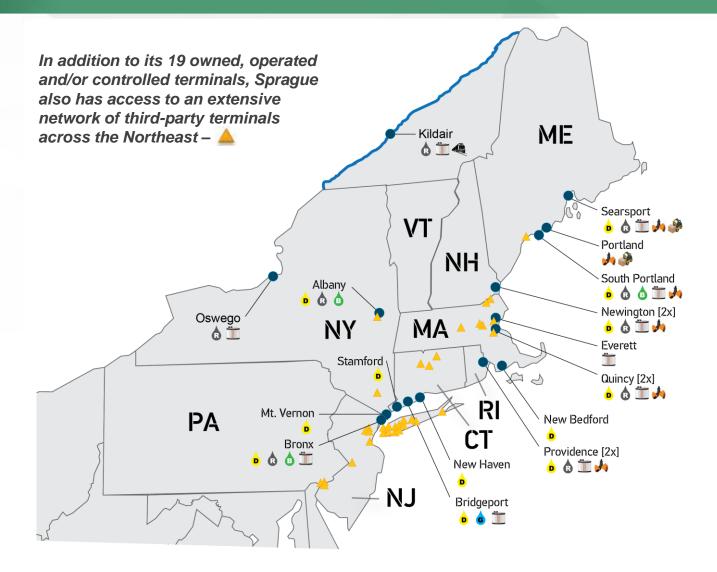


Increasing the footprint 2010 – Present

- SpraguePORT®
 RealTime® programs expanded
- Geographical footprint in Northeast expanded
 - Increased to 19 controlled terminals with Bridgeport, CT, and East Providence, RI.
 - 60 additional marketing locations
 - Natural gas behind 46 utilities in 12 states and Washington, D.C.
- Initial Public Offering as a master limited partnership
 - NYSE "SRLP"

Our Owned and/or Operated Terminals







Residual



Gasoline



Distillate



Biofuel



Liquid Bulk



🗦 Break Bulk



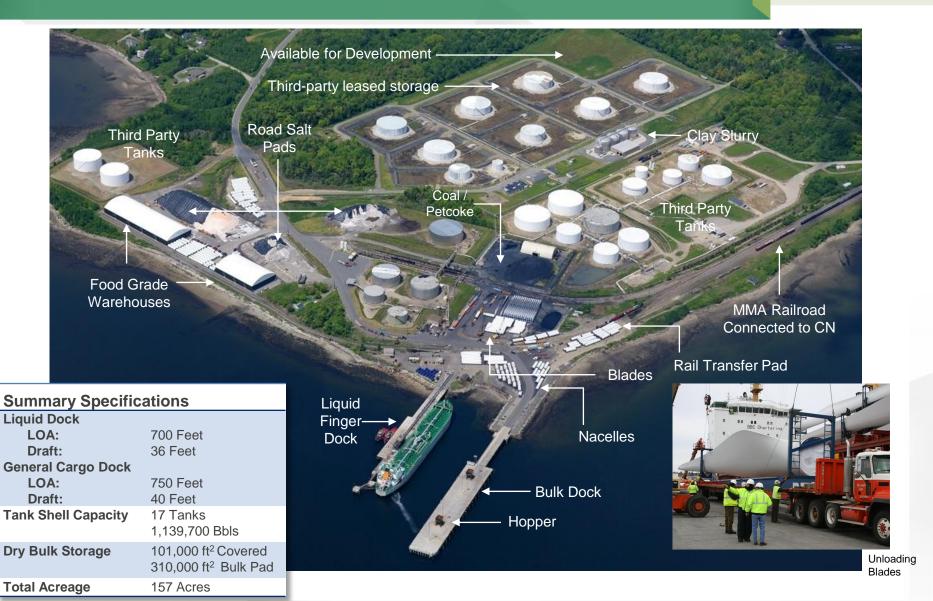
Dry Bulk



Crude Oil
Handling

Sample Terminal: Searsport, Maine





So – what is Natural Gas?





- Hydrocarbon
- Natural gas is 95 percent Methane (CH4)
- Plus four other hydrocarbons: Ethane (C2H6) 2.5%, Propane (C3H8) 0.2%, Butane (C4H10) - 0.06%, Pentanes Plus (C5H12 + C10H22) - 0.02%
- It also contains small amounts of: Nitrogen (N2) 1.6%, Carbon Dioxide (CO2) 0.7%, Hydrogen Sulphide (H2S) trace, Water (H2O) trace

What's it look like?







What's it smell like?





Basics – When and Where was Oil and Gas Discovered?



Titusville PA 1859 – The Drake Well



Production





Natural Gas Supply Areas—OLD DAYS



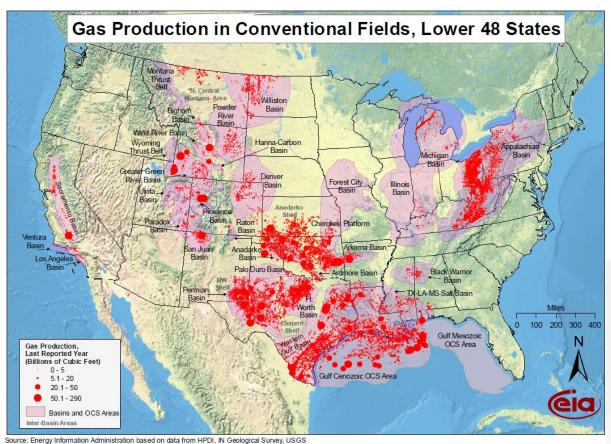
Major North American Production Areas

U.S. Production Areas

- Gulf Coast production basin
- Mid-Continent production basin
- Permian basin
- Appalachian basin
- Rocky Mountain basin

Canadian Production

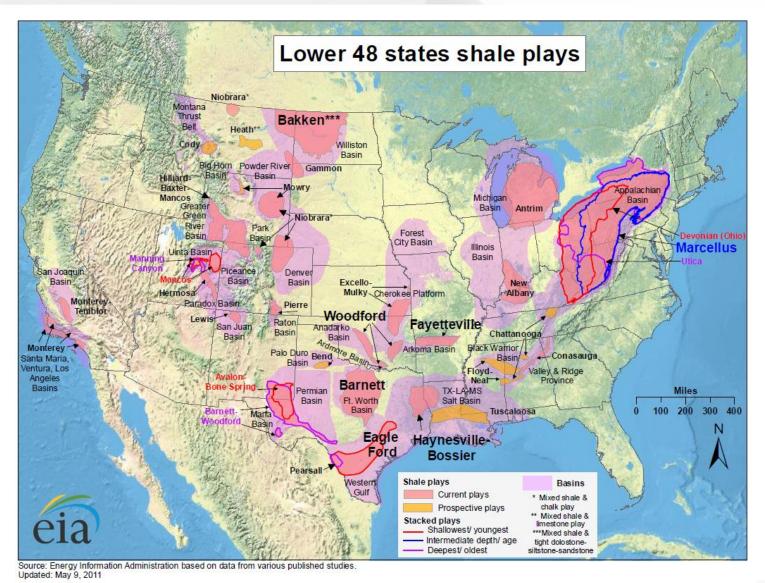
Western Canadian basin



Source: Energy Information Administration based on data from HPDI, IN Geological Survey, USGS Updated: April 8, 2009

U.S. Shale Natural Gas Areas - NEW WORLD



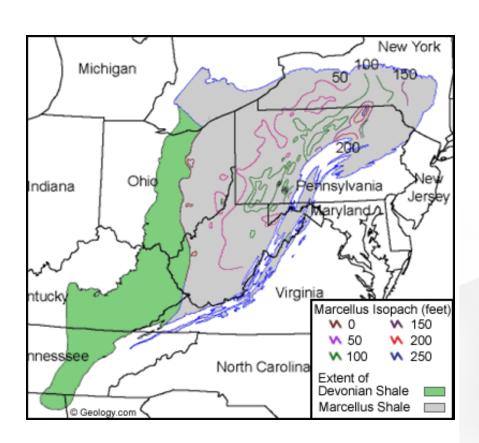


Marcellus Shale Production Basin



An important natural gas production play in our backyard

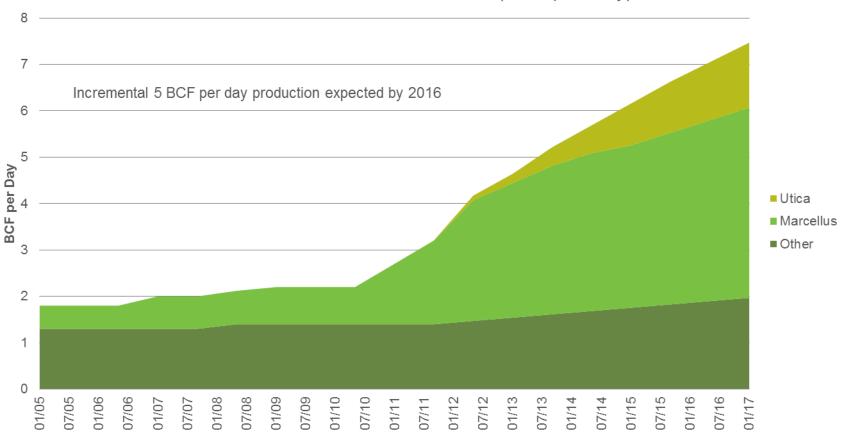
- The Marcellus basin appears to be the largest of all the U.S. shale basins plays
- The Marcellus is strategically located in the northeast U.S. near the premium natural gas markets
- By 2016 northeast U.S. production is expected to produce 4.7 TCF per year = U.S. northeast usage



North East Production Takes OFF

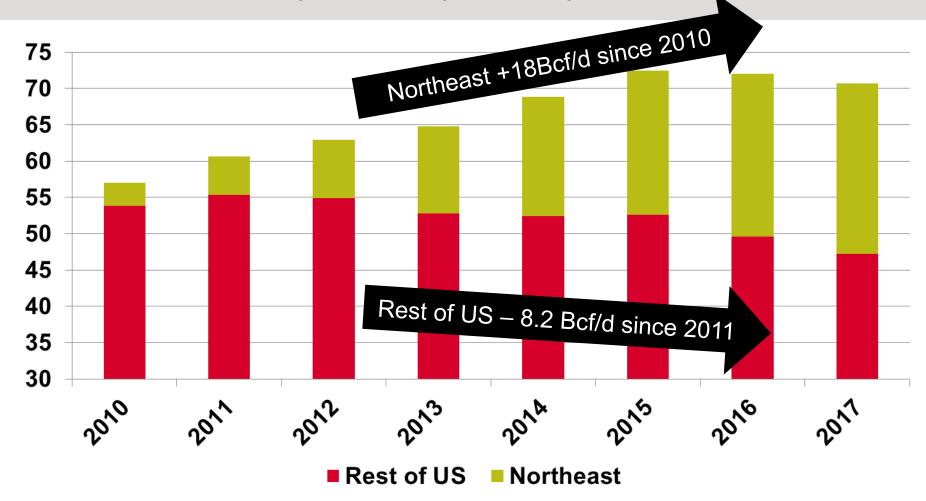


Northeast Production Forecast (BCF per Day)



Northeast Growth vs. Rest of US Declines (Bcf/d)

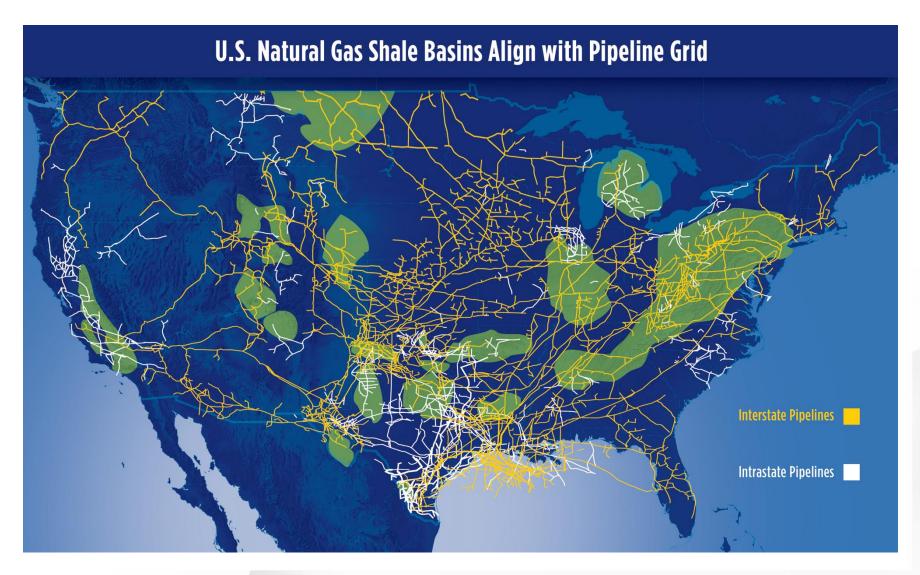
2016-'17: Northeast growth no longer offsetting declines elsewhere





Natural Gas Supply and Transportation





Pretty Pipelines





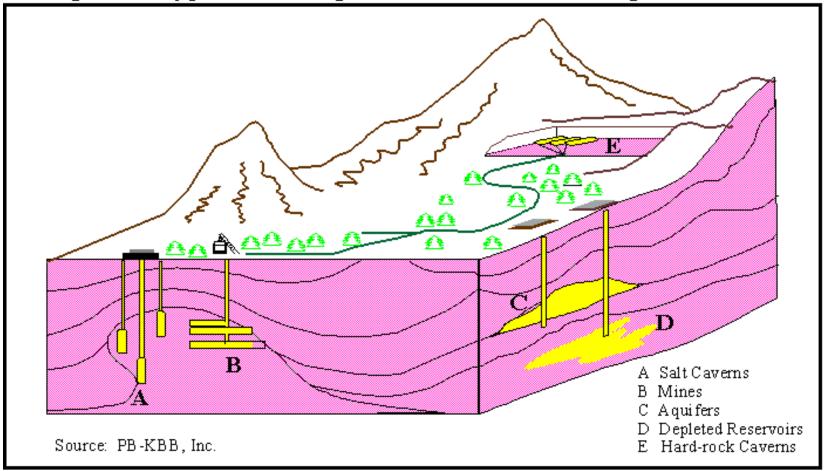




Underground Storage

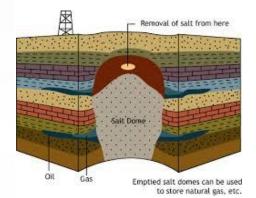


Figure 1. Types of Underground Natural Gas Storage Facilities



Salt Dome Storage







LNG Tankers and Tanks





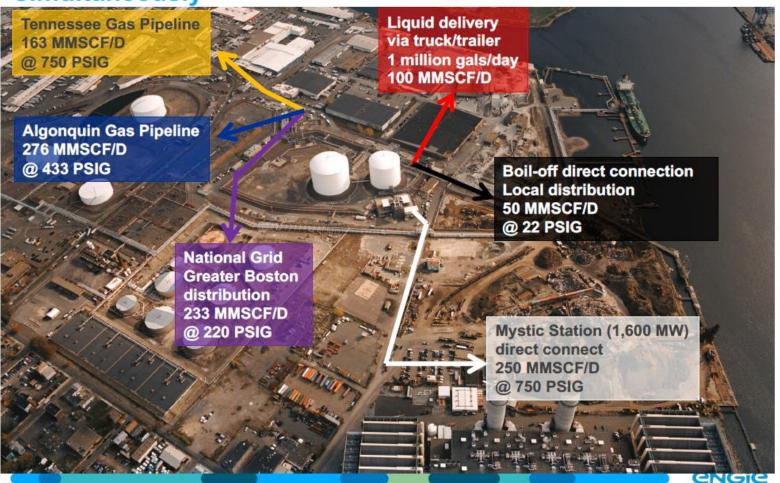




Engie Everett

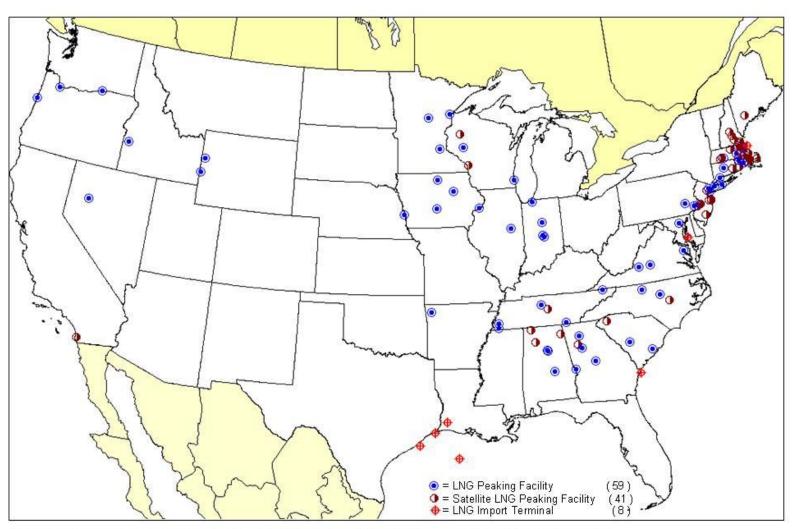


Everett Marine Terminal: capability to serve key systems simultaneously



Liquefied Natural Gas Facilities





Note: Satellite LNG facilities have no liquefaction facilities. All supplies are transported to the site via tanker truck.

Source: Energy Information Administration, Office of Oil & Gas, Natural Gas Division Gas, Gas Transportation Information System, December 2008.

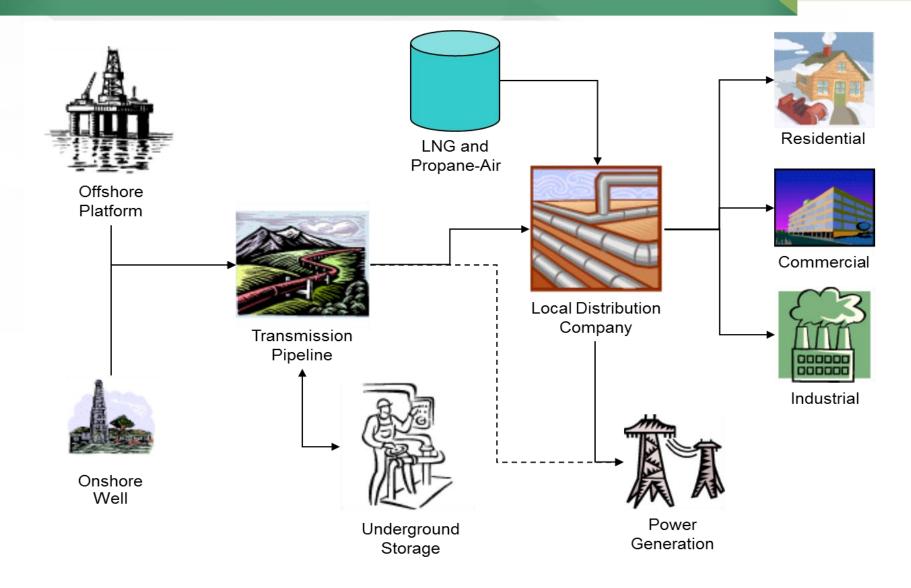
Sprague

LNG - Major Markets Around the World

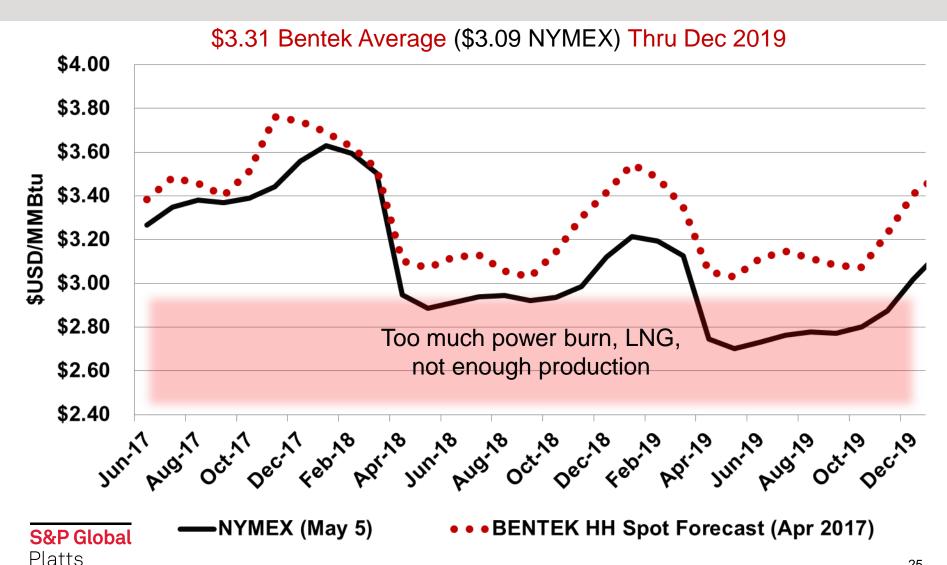


Supply Chain

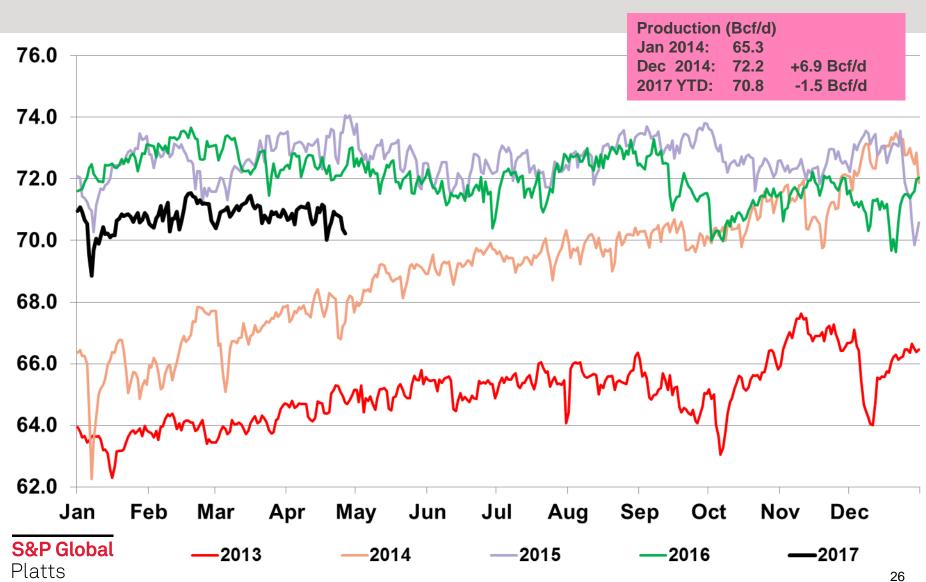




Henry Hub Price Outlook

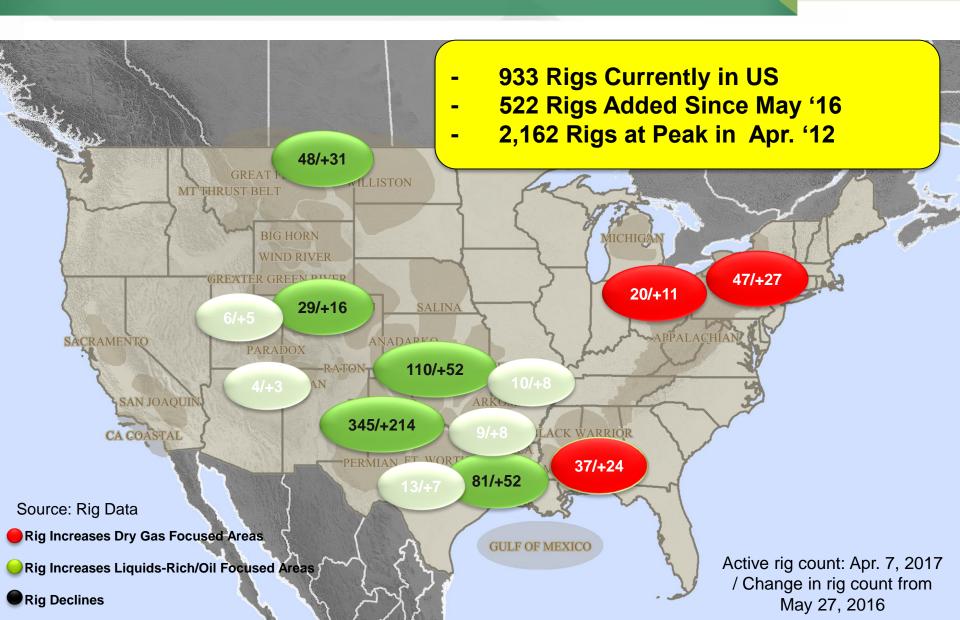


US Production Flat Since Late 2014 (Bcf/d)

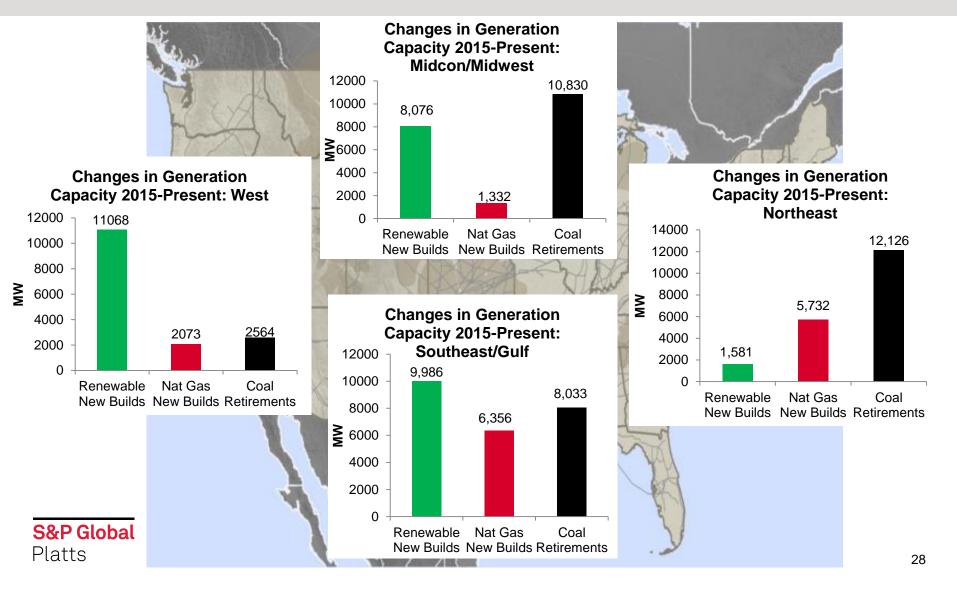


Rigs Returning

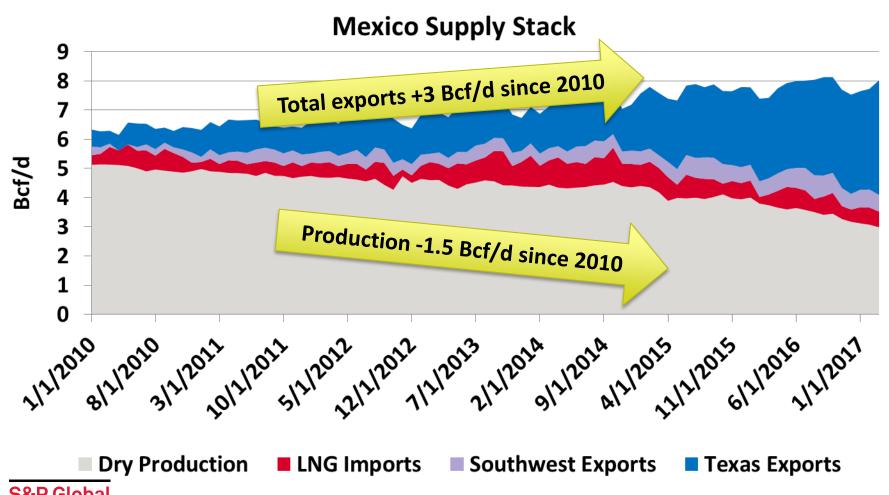




Coal Retirements, New Generation Imbalanced Regionally



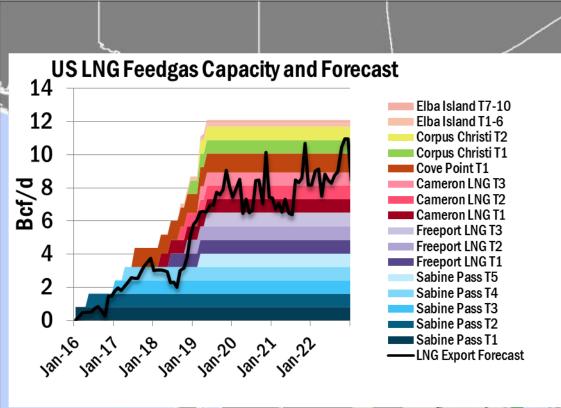
Exports to Mexico Rising Due to Declining Domestic Production, Growing Demand



S&P Global Platts

US LNG Exports Ramping Up to Meet Capacity

Corpus Christi



- BENTEK expects 10.5 Bcf/d of LNG Liquefaction Capacity to get built
- LNG Feedgas could reach nearly 9.1 Bcf/d annually in 2022

East Coast Export Terminals:

Cove Point – 1 Bcf/d

Cove Point

Gulf Coast Liquefaction Capacity:

Sabine Pass T1-5 3.5 Bcf/d Freeport LNG T1-3 2.1 Bcf/d Cameron T1-3 2.1 Bcf/d 1.4 Bcf/d

Corpus Christi T1-2

Elba Island T1-10

0.35 Bcf/d

Note, capacities shown reflect feedgas capacities, which include boil-off volumes and capacity to run the facility

LNG Terminals Greenfield Export Import Conversion to Export

Source: Platts Bentek CellCAST

Thank You!!!!!

