

Fundamentals



Summer 2018



TELLURIAN

Cautionary statements

Forward-looking statements

The information in this presentation includes “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. All statements other than statements of historical fact are forward-looking statements. The words “anticipate,” “assume,” “believe,” “budget,” “estimate,” “expect,” “forecast,” “initial,” “intend,” “may,” “plan,” “potential,” “project,” “should,” “will,” “would,” and similar expressions are intended to identify forward-looking statements. The forward-looking statements in this presentation relate to, among other things, gas resources, production and costs, rates of return, infrastructure needs and costs, LNG export and pipeline capacity, shipping activity, Driftwood LNG prices, future demand and supply affecting LNG, and general energy markets and other aspects of our business and our prospects of other industry participants.

Our forward-looking statements are based on assumptions and analyses made by us in light of our experience and our perception of historical trends, current conditions, expected future developments, and other factors that we believe are appropriate under the circumstances. These statements are subject to numerous known and unknown risks and uncertainties, which may cause actual results to be materially different from any future results or performance expressed or implied by the forward-looking statements. These risks and uncertainties include those described in the “Risk Factors” section of our Annual Report on Form 10-K for the fiscal year ended December 31, 2017 filed with the Securities and Exchange Commission (the “SEC”) on March 15, 2018 and other filings with the SEC, which are incorporated by reference in this presentation. Many of the forward-looking statements in this presentation relate to events or developments anticipated to occur numerous years in the future, which increases the likelihood that actual results will differ materially from those indicated in such forward-looking statements.

The forward-looking statements made in or in connection with this presentation speak only as of the date hereof. Although we may from time to time voluntarily update our prior forward-looking statements, we disclaim any commitment to do so except as required by securities laws.

Reserves and resources

Estimates of non-proved reserves and resources are based on more limited information, and are subject to significantly greater risk of not being produced, than are estimates of proved reserves.

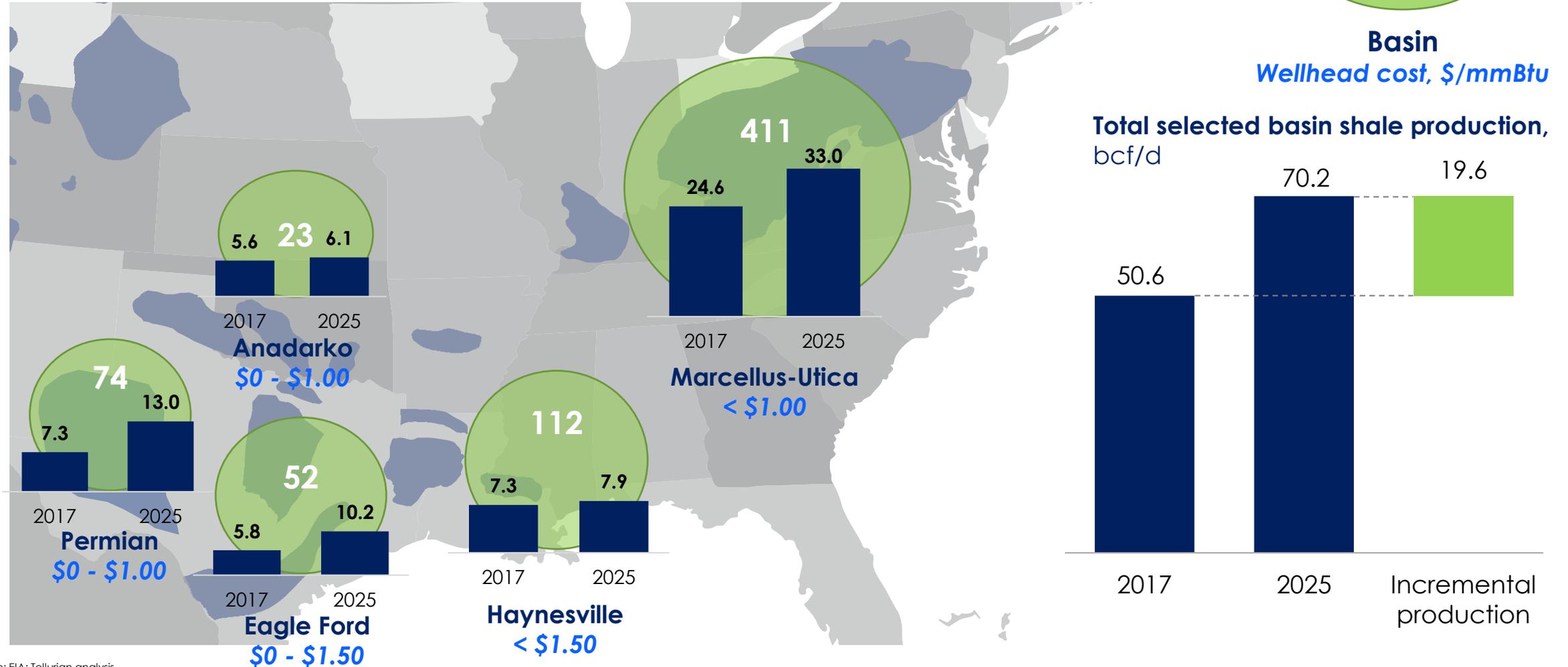
Contents



- **Upstream – U.S. natural gas production to grow ~20 bcf/d by 2025**
- Midstream and pipelines – prices signaling need for additional infrastructure
- Global LNG – global gas market is growing and becoming commoditized

Plentiful, cheap U.S. gas endowment

Production growth and resource base from selected U.S. unconventional basins

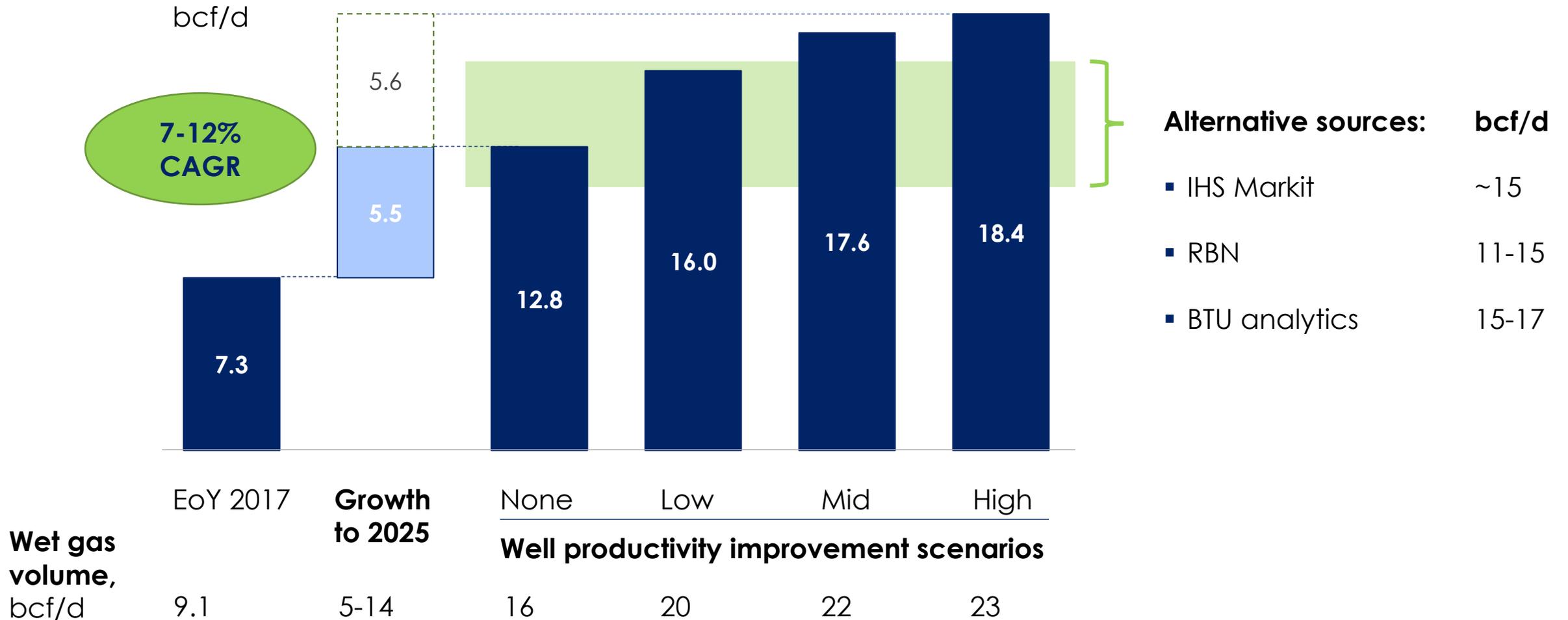


Source: EIA; Tellurian analysis.



Permian oil output propels gas growth

Permian dry gas production¹ more than doubles by 2025 with modest productivity gains

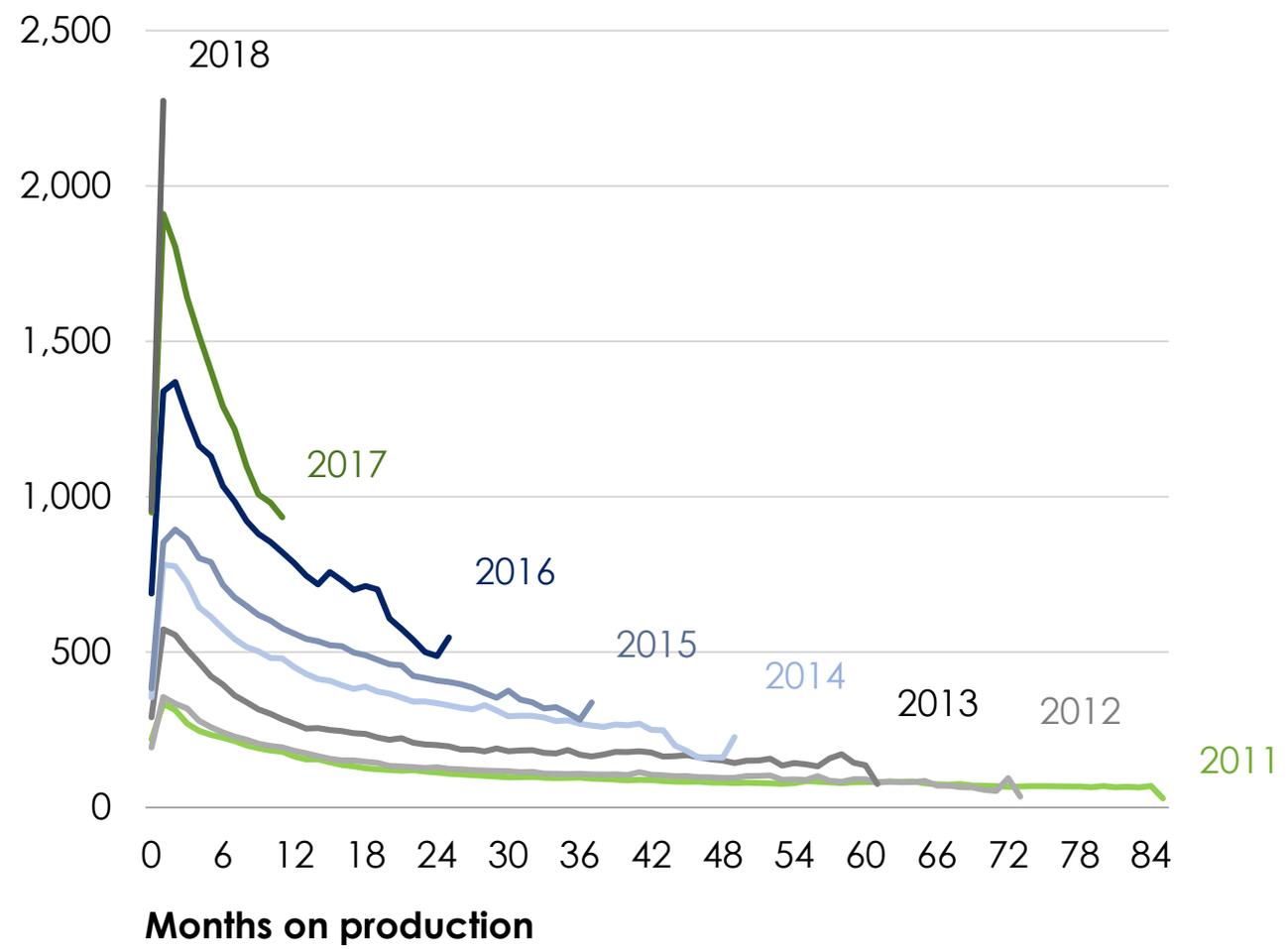


Source: BRG Consulting.
Notes: (1) Assumes 80% wet gas to dry gas conversion.

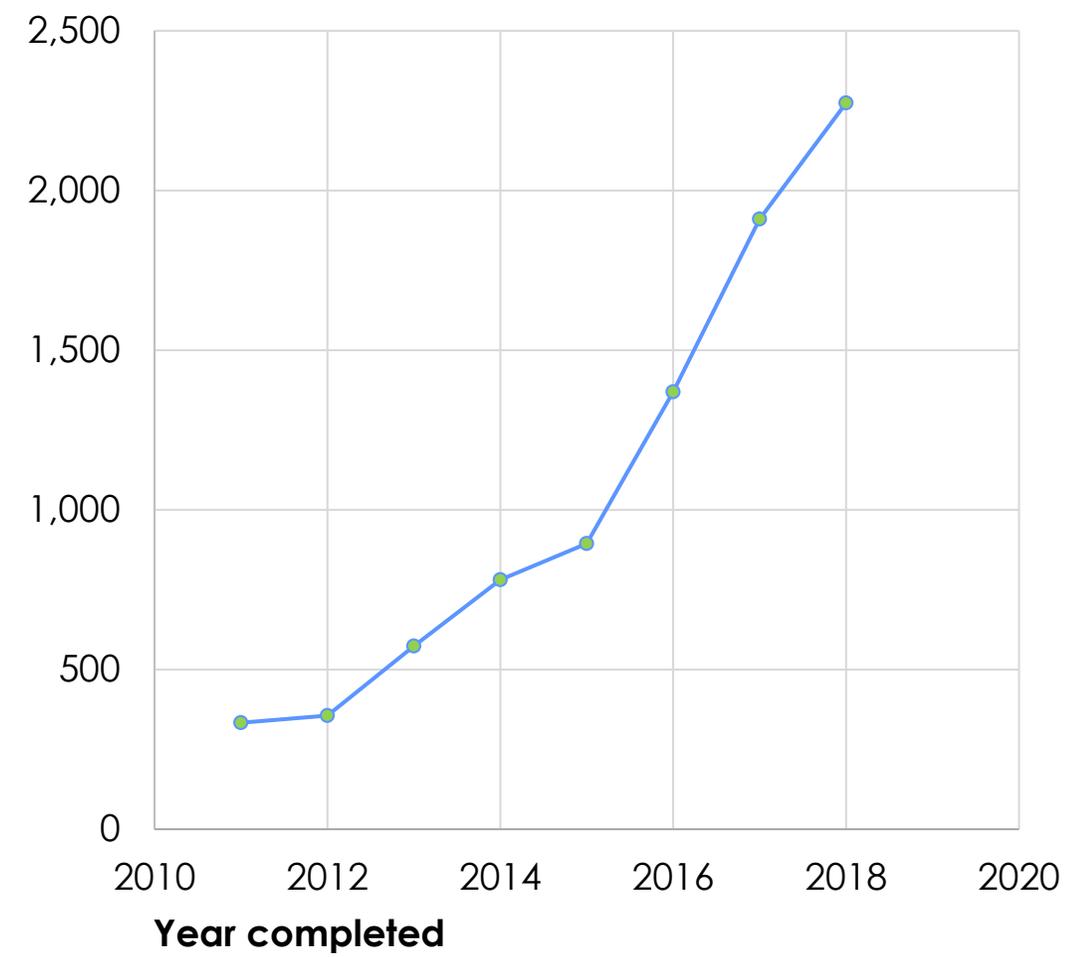


Delaware Basin productivity improvement

Vintage type curves
mcf/d



Peak month production
mcf/d



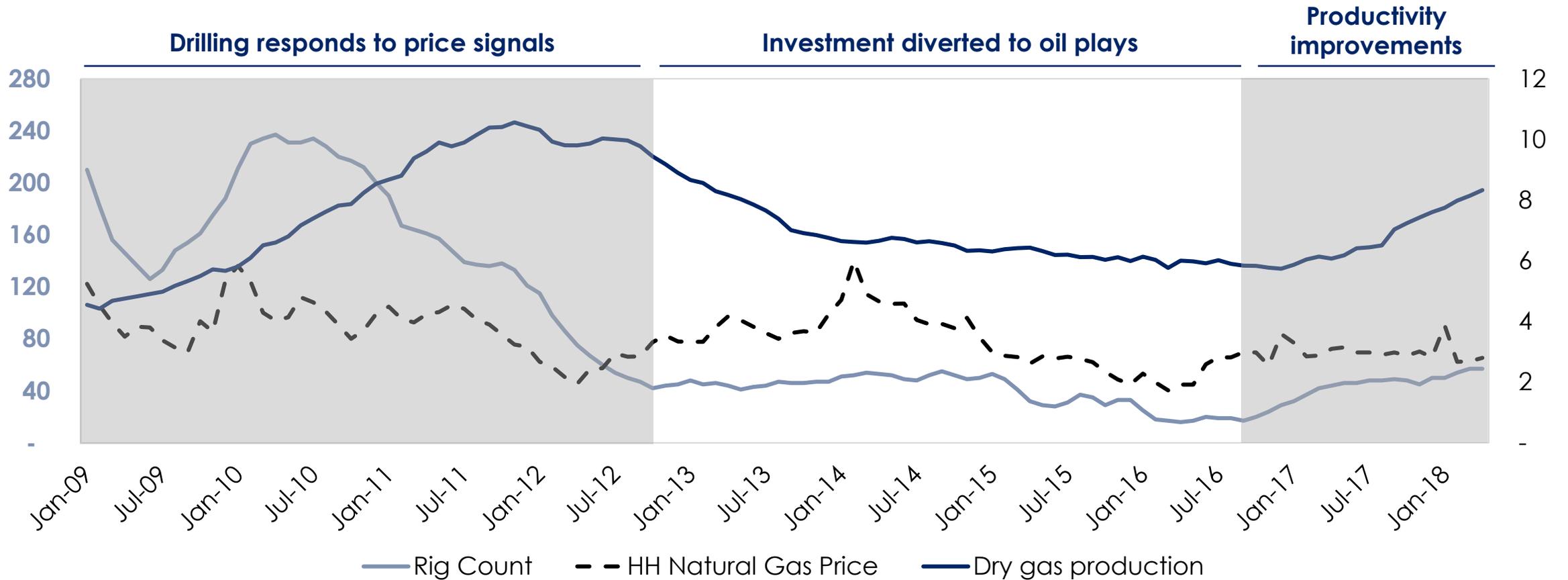
Sources: DrillingInfo, Tellurian analysis.



Haynesville productivity has improved

Rig Count

Henry Hub price (\$/mmBtu)/
Dry gas production (bcf/d)



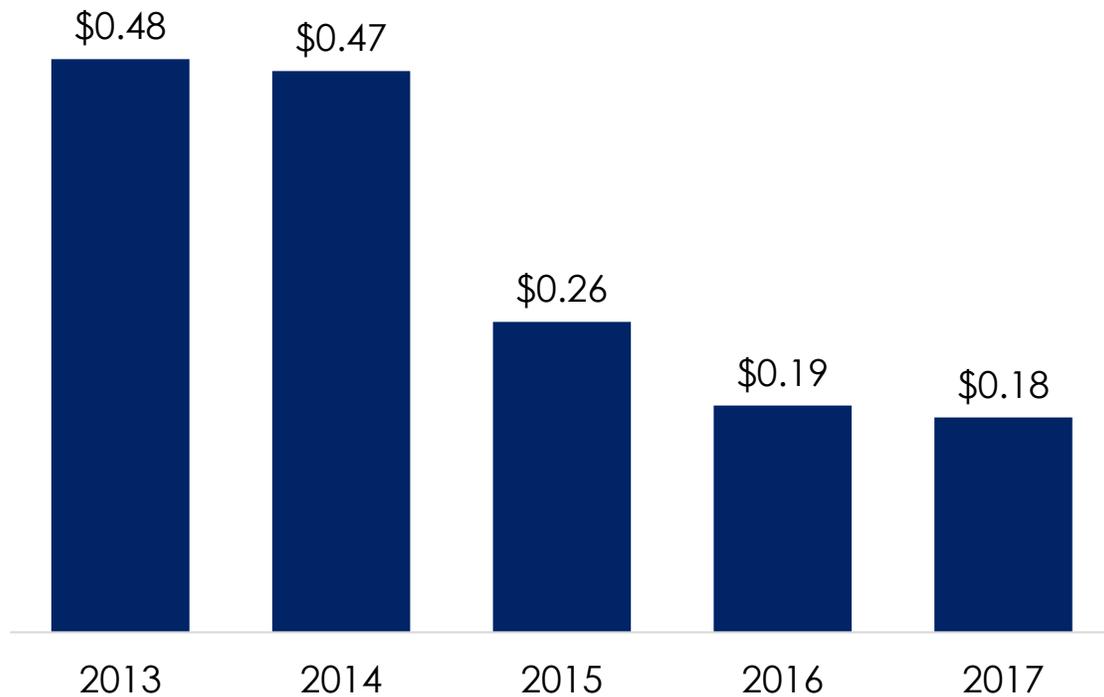
Sources: EIA Drilling Productivity Report.



Strong Haynesville economics

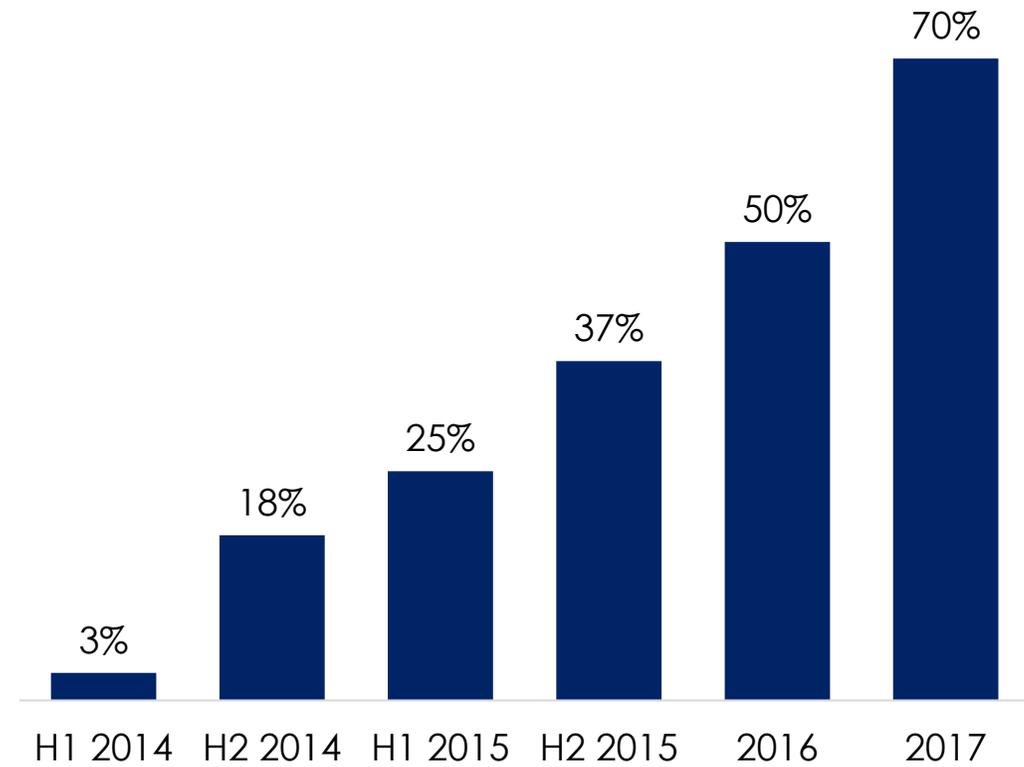
Increased productivity

LOE (\$/mcf)



Improved economics

Wellhead
IRR



Sources: Chesapeake investor presentations and RS Energy Group.

Contents



- Upstream – U.S. natural gas production to grow ~20 bcf/d by 2025
- **Midstream and pipelines – prices signaling need for additional infrastructure**
- Global LNG – global gas market is growing and becoming commoditized

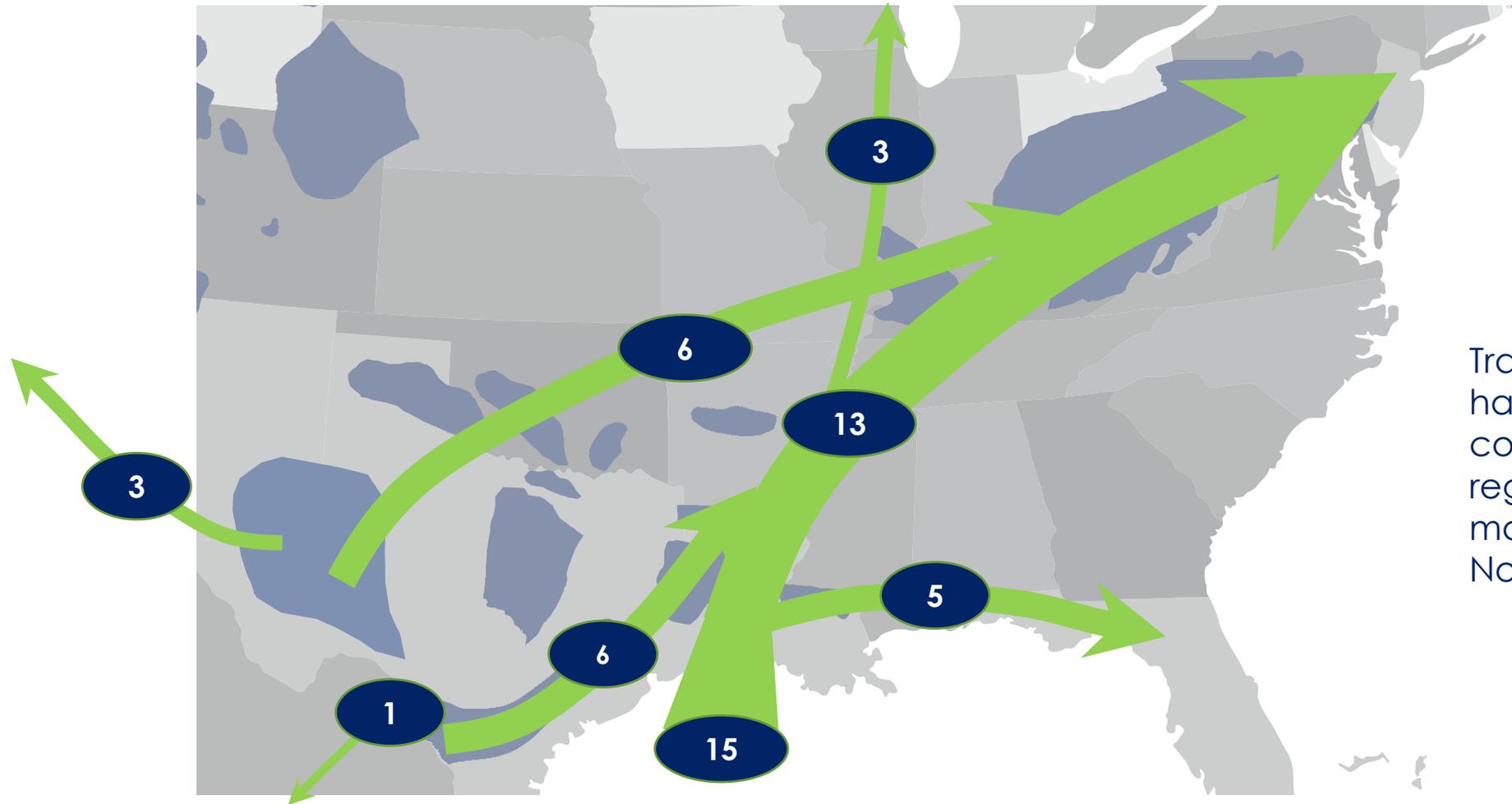


Ill-suited existing infrastructure

Pre-shale pipelines and import facilities did not contemplate the shale revolution

 Major gas transportation flows

 2008 major pipeline corridor approximate capacity, bcf/d



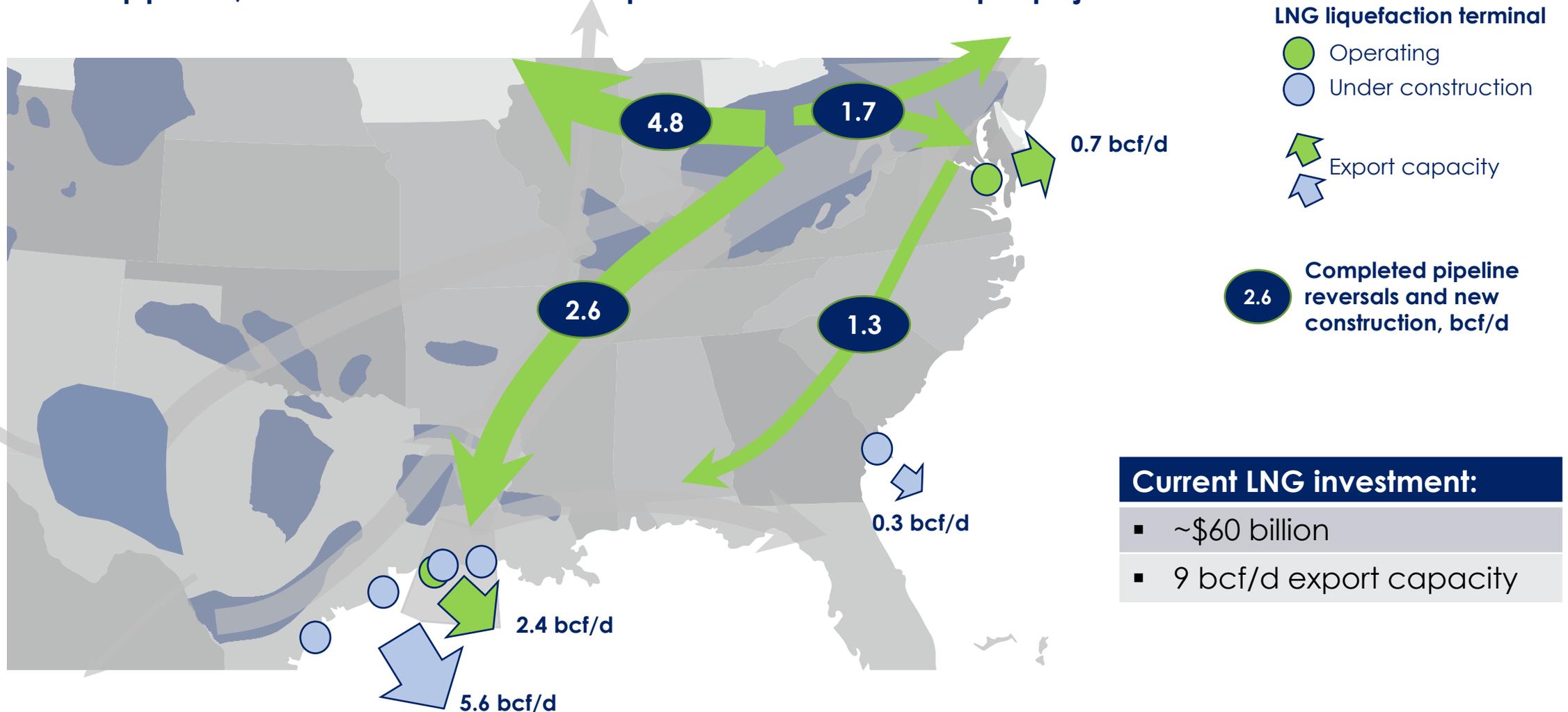
Traditionally, pipelines have moved gas from conventional producing regions to consuming markets in the Midwest, Northeast and West Coast

Source: EIA; Tellurian analysis



Infrastructure first wave

Industry built new pipelines, reversed old ones and developed the first wave of LNG export projects

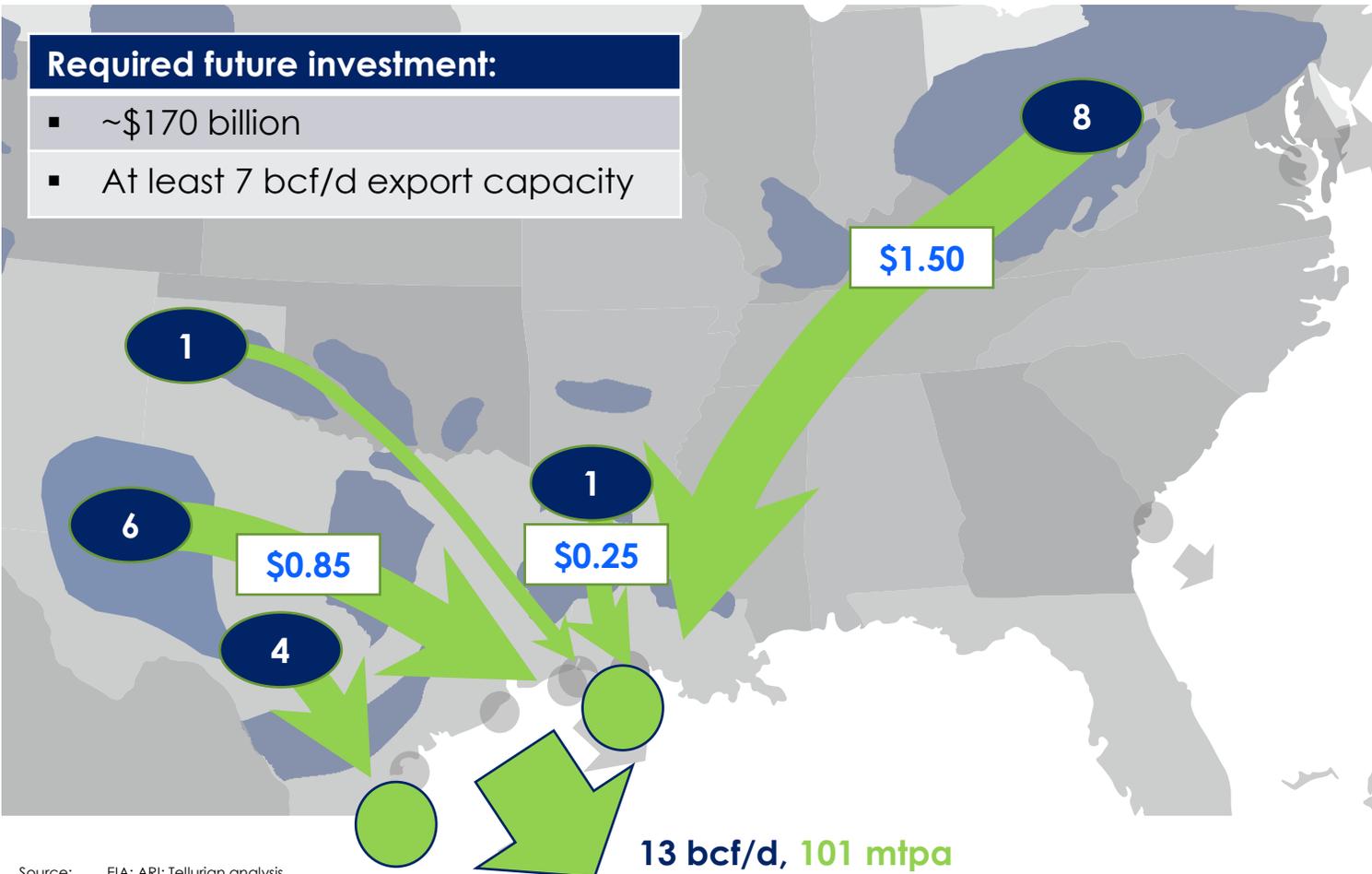


Source: EIA; Wood Mackenzie, RBN, Tellurian analysis.



New infrastructure required

13 bcf/d of incremental production at risk of flaring without additional infrastructure investment

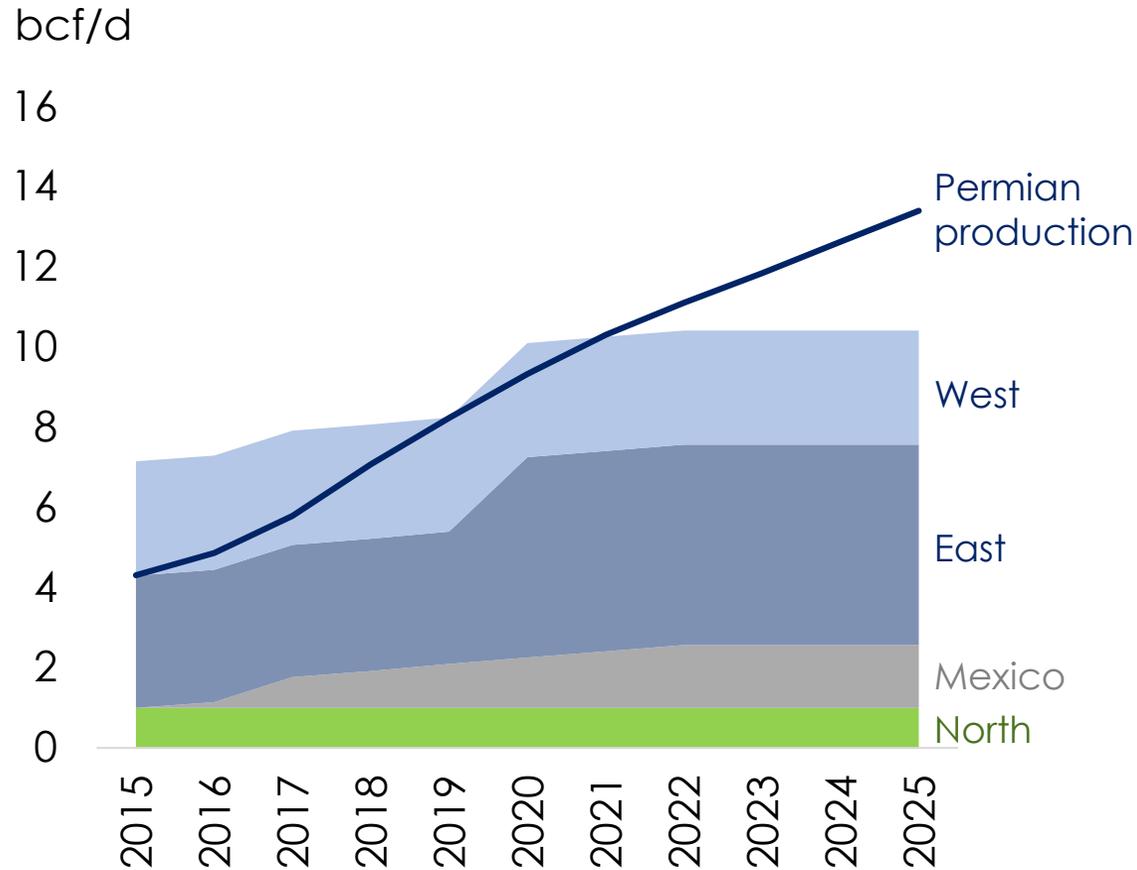


Source: EIA; ARI; Tellurian analysis
Notes: (1) \$1,000/tonne average

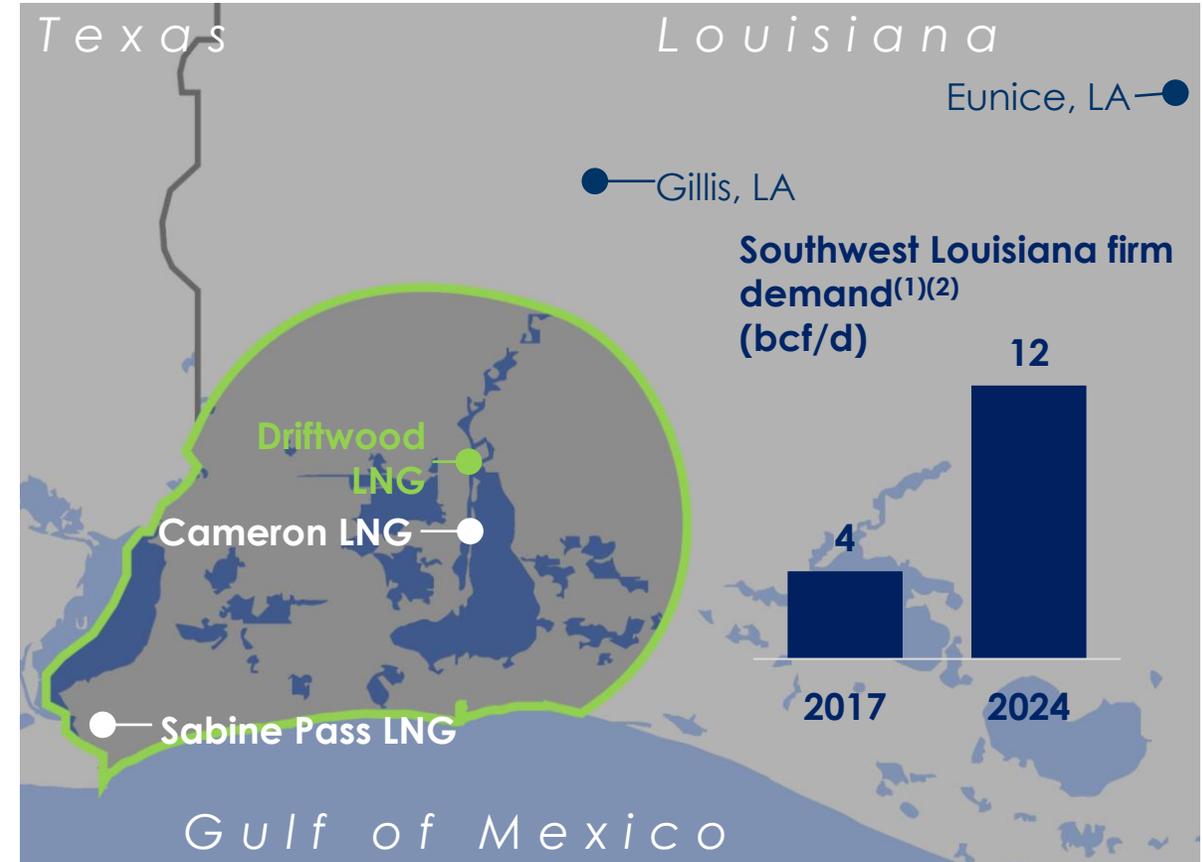
- LNG export capacity required:
 - Up to **101 mtpa**: 13 bcf/d (20 bcf/d less ~7 under construction)
 - ~\$100 billion⁽¹⁾
- Pipeline capacity required:
 - Around 20 bcf/d
 - ~\$70 billion

PGAP connects constrained gas to SWLA

Takeaway constraints in the Permian



Southwest Louisiana demand



Sources: Company data, Goldman Sachs, Wells Fargo Equity Research, RBN Energy, Tellurian estimates.

Notes: (1) LNG demand based on ambient capacity.

(2) Includes Driftwood LNG, Sabine Pass LNG T1-3, Cameron LNG T1-3, SASOL, Lake Charles CCGT, G2X Big Lake Fuels, LACC – Lotte and Westlake Chemical.

Contents



- Upstream – U.S. natural gas production to grow ~20 bcf/d by 2025
- Midstream and pipelines – prices signaling need for additional infrastructure
- **Global LNG – global gas market is growing and becoming commoditized**

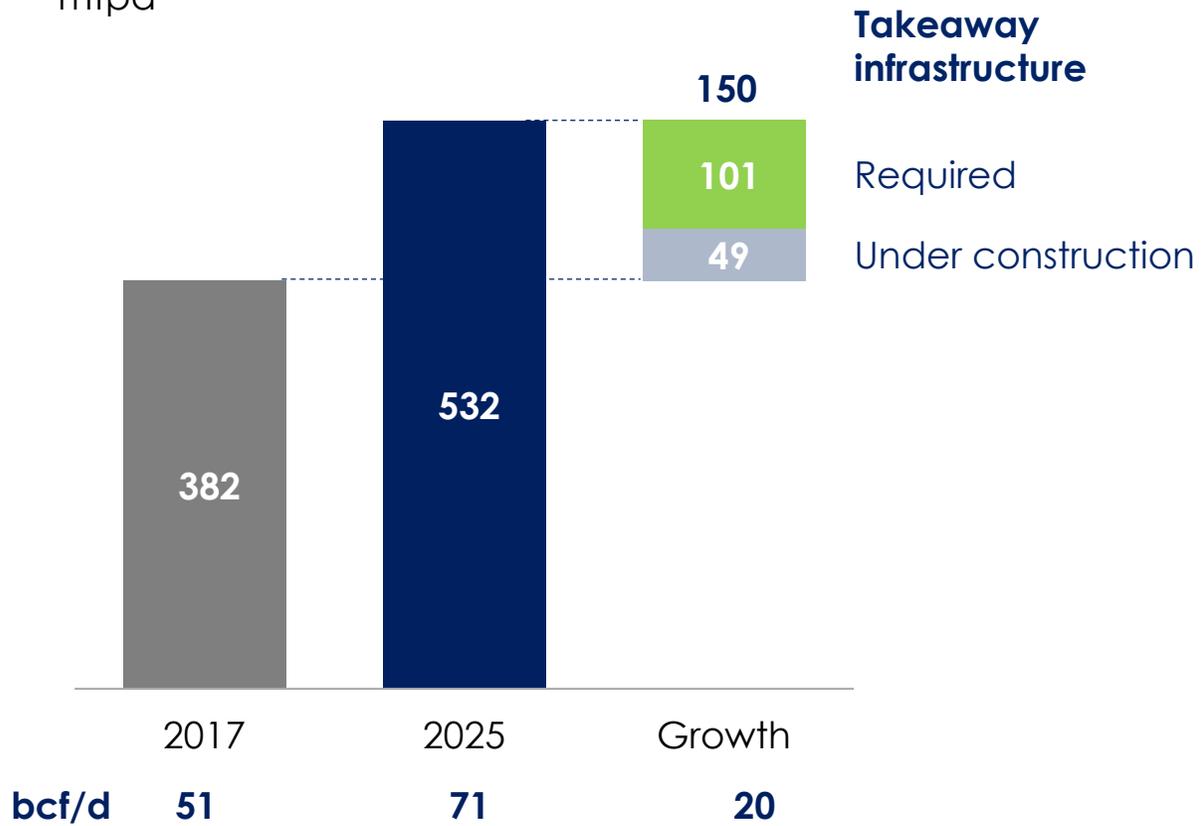


Global call on U.S. natural gas

U.S. supply push...

Output from selected shale basins⁽¹⁾

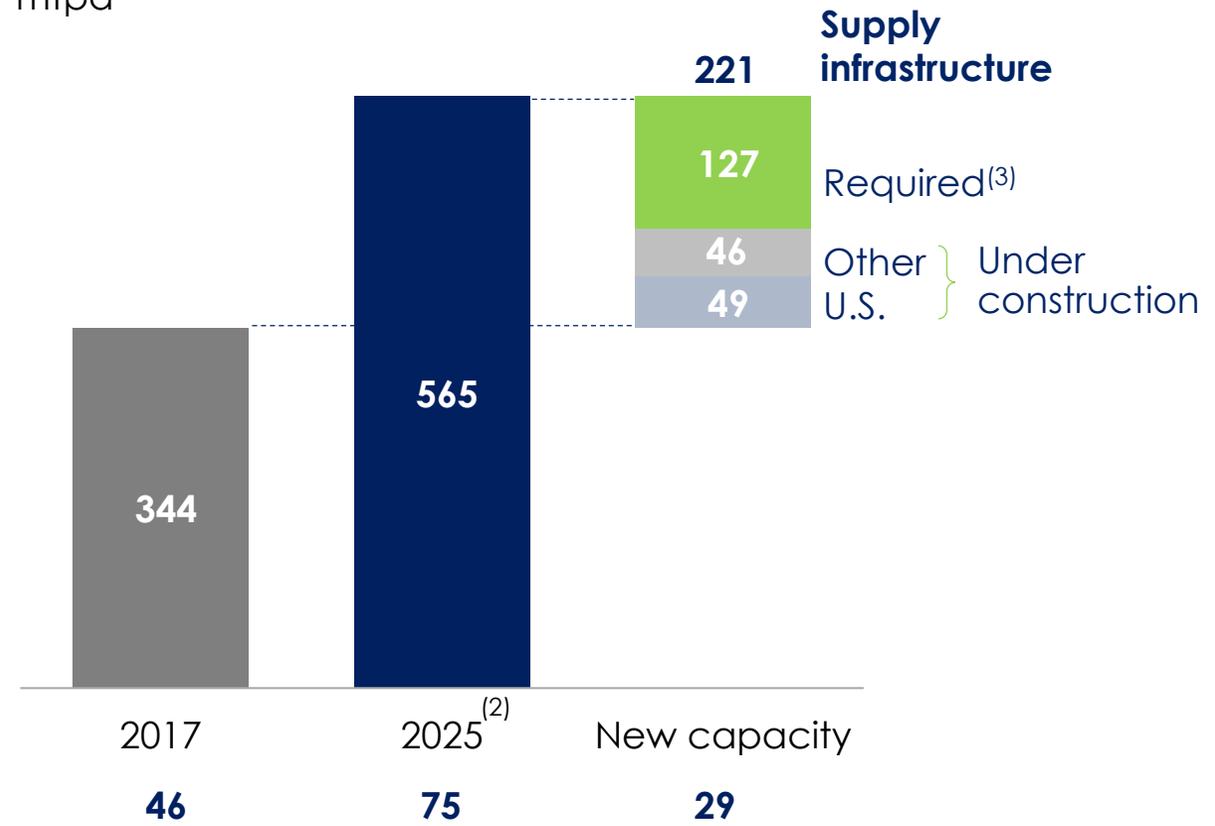
mtpa



...and global demand pull

Global LNG production capacity

mtpa



Source: Wood Mackenzie, Tellurian Research.

Notes: (1) Includes the Permian, Haynesville, Utica, Marcellus, Anadarko, Eagle Ford.

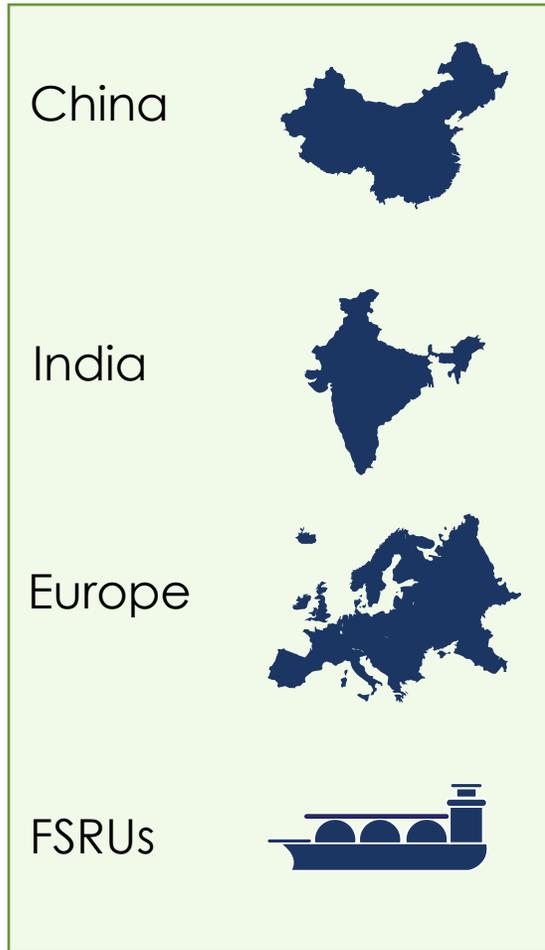
(2) Based on a demand growth estimate of 4.5% post-2020.

(3) Capacity required to meet demand growth post-2020.



Demand pull

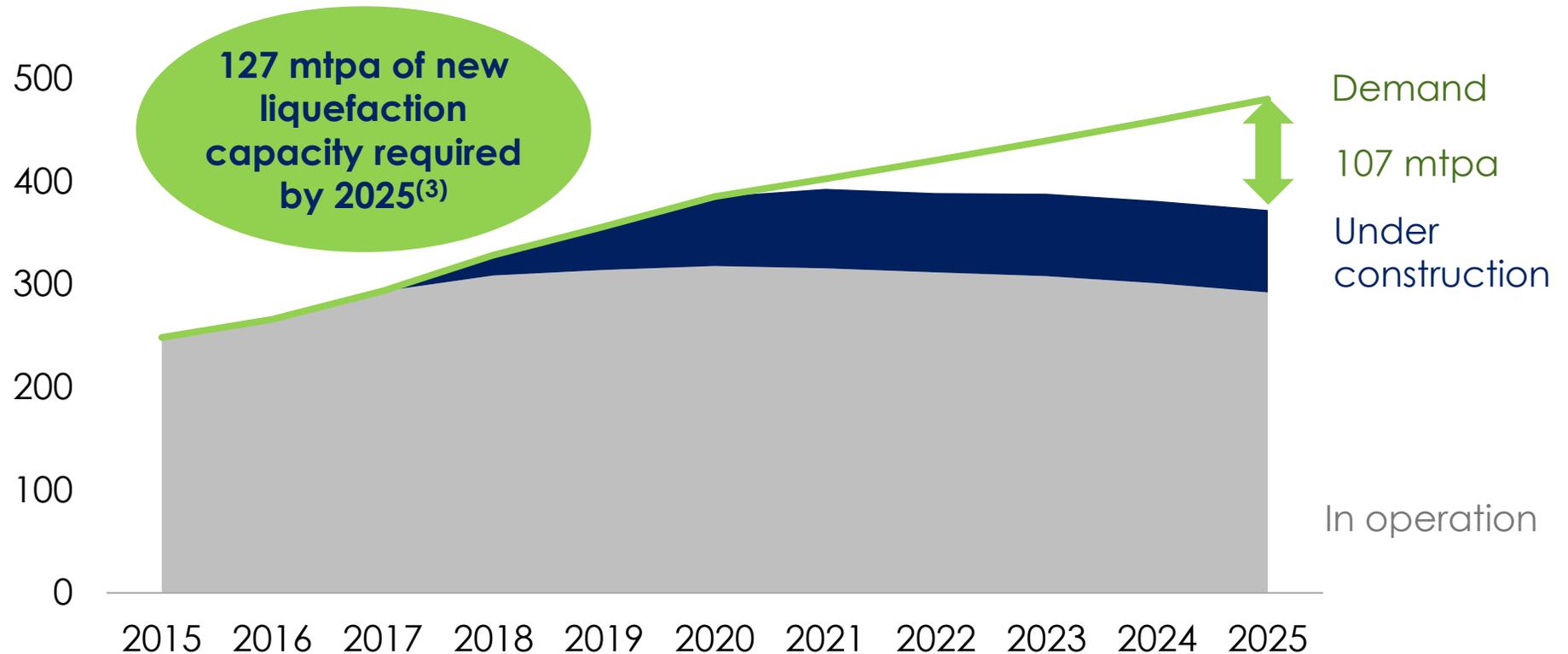
Key drivers



Demand outlook

mtpa 9.3% p.a. supply growth⁽¹⁾ 4.5% p.a. demand growth⁽²⁾

Line of sight supply = demand Conservative estimate



Sources: Wood Mackenzie, Tellurian Research.

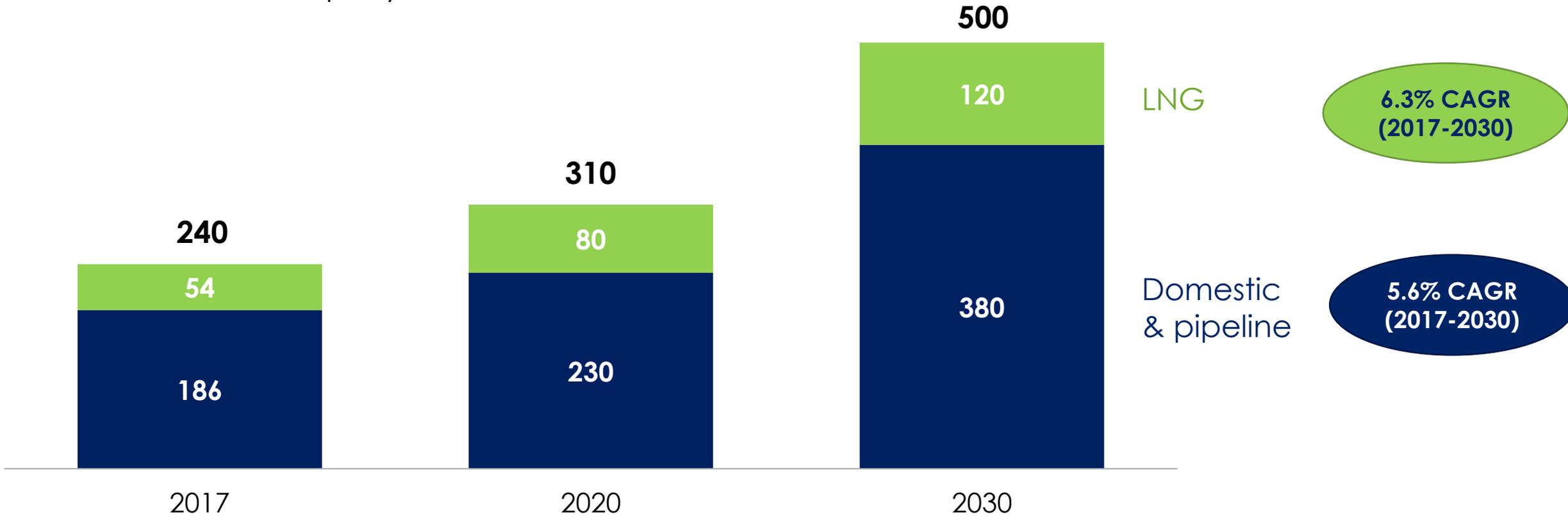
Notes: (1) Estimated supply from existing and under-construction projects.
 (2) Based on assumption that LNG demand grows at 4.5% p.a. post-2020.
 (3) Assumes 85% utilization rate.



Growing demand in China

Economic growth and emerging environmental policy drives demand growth

Chinese gas demand
billion cubic meters per year



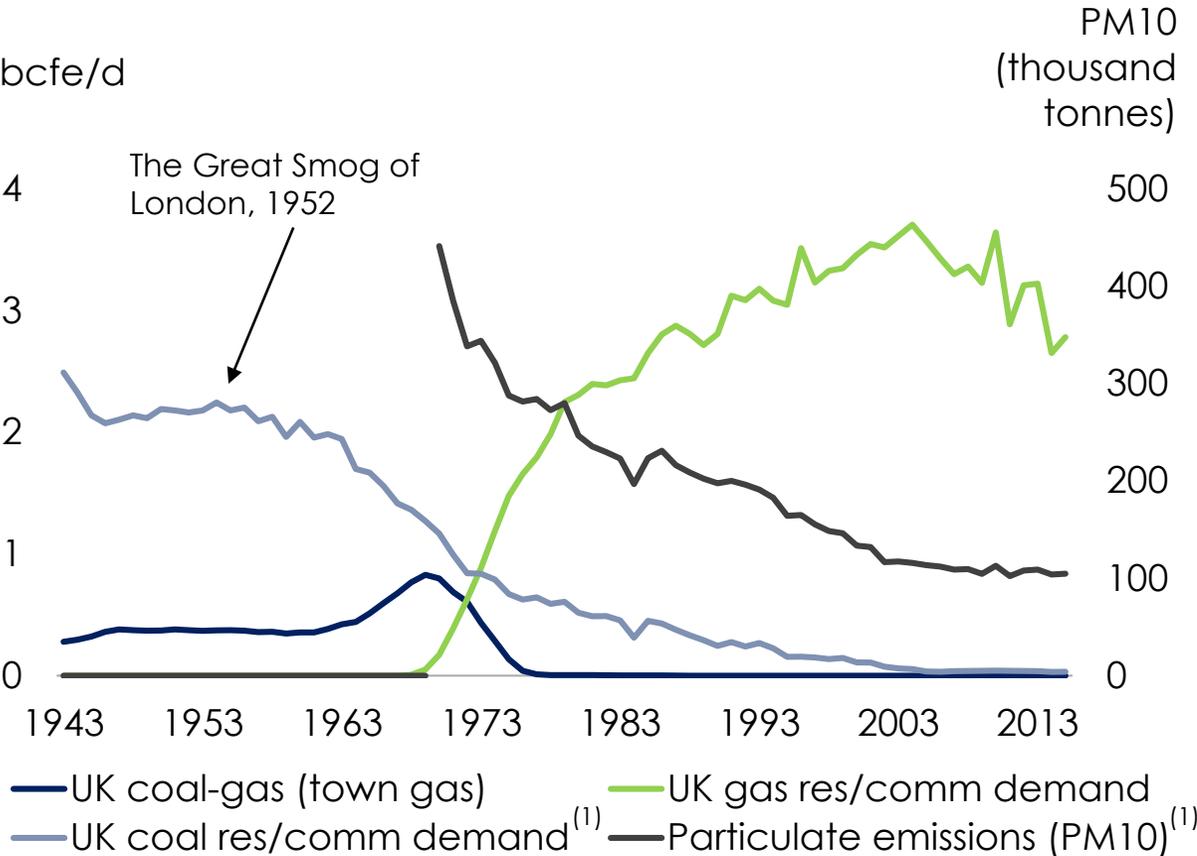
Source: SIA, Tellurian analysis.



Inelastic Chinese gas demand

Chinese coal-to-gas switching similar to UK gas market in the 1960s, which cut particulate pollution by 340%

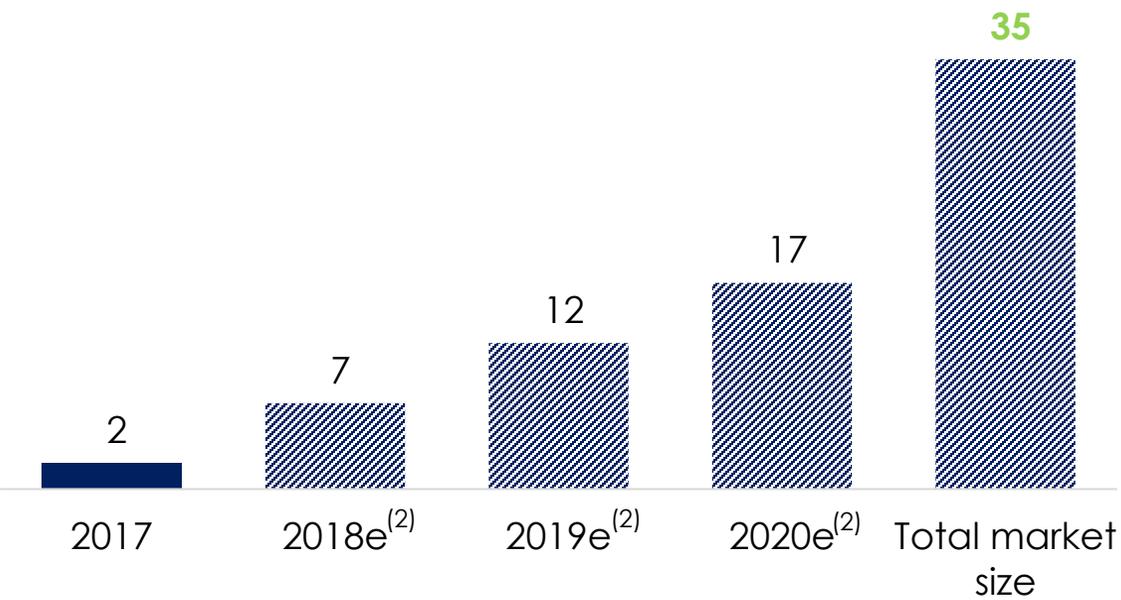
Coal-to-gas campaign creates structural gas demand in residential and industrial sectors



Million households converted in northern China:



mtpa potential LNG demand

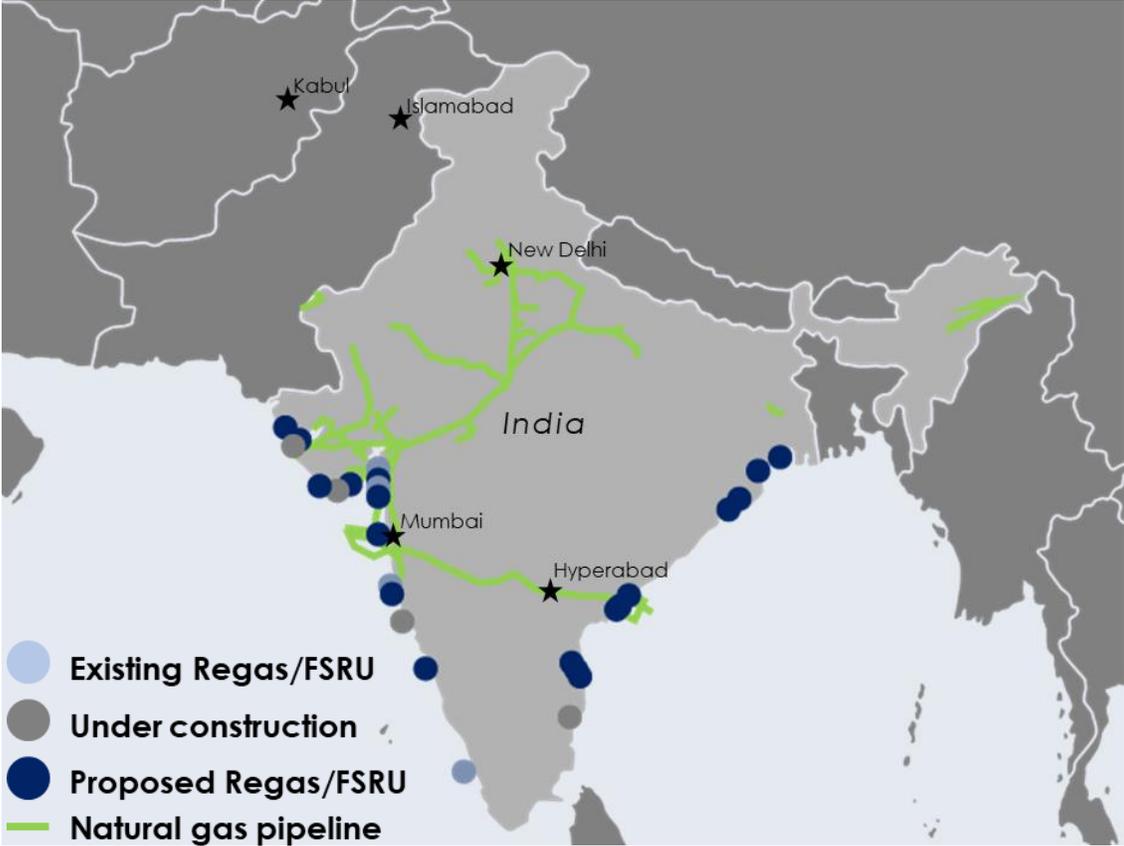


Sources: UK Department for Business, Energy & Industrial Strategy, Fouquet, Cailan Press, FGE, Tellurian analysis.
 Notes: (1) Res/comm sector is also known as the buildings, or residential and commercial sector.
 (2) Assumes each household consumes 10 cubic meters of natural gas during 120 days of winter heating season.

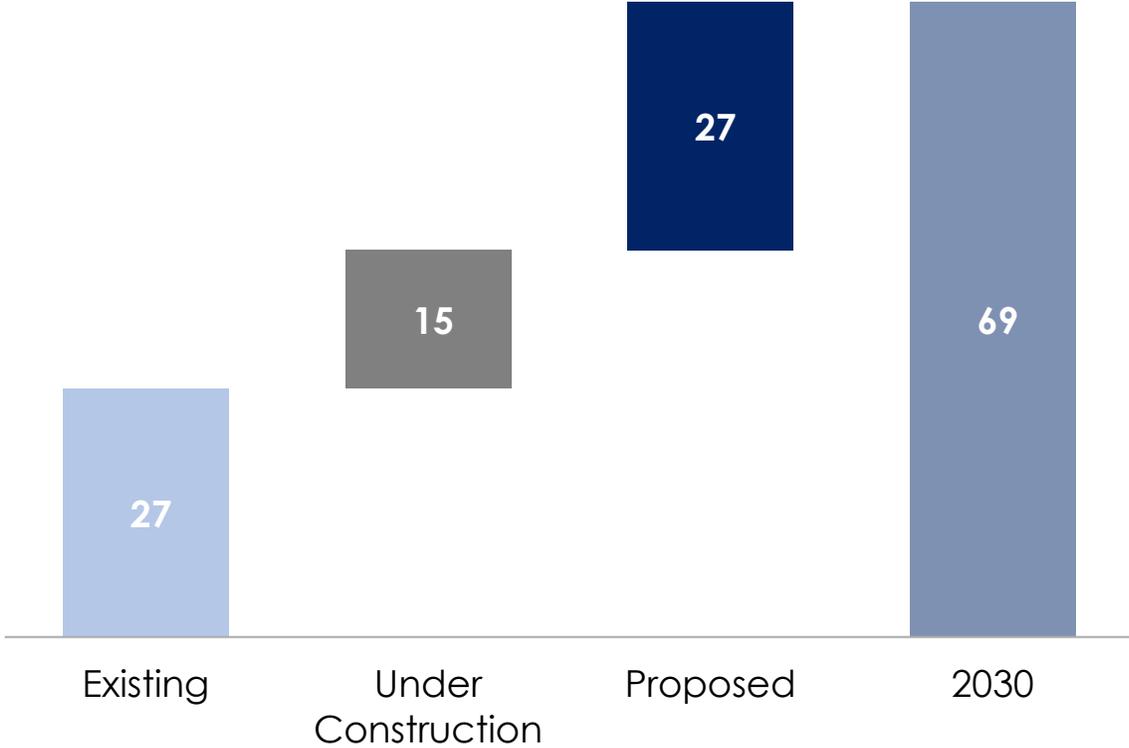


India resolving infrastructure constraints

New infrastructure in India will link supply to burgeoning city gas markets and industrial demand



India's regasification capacity million tons

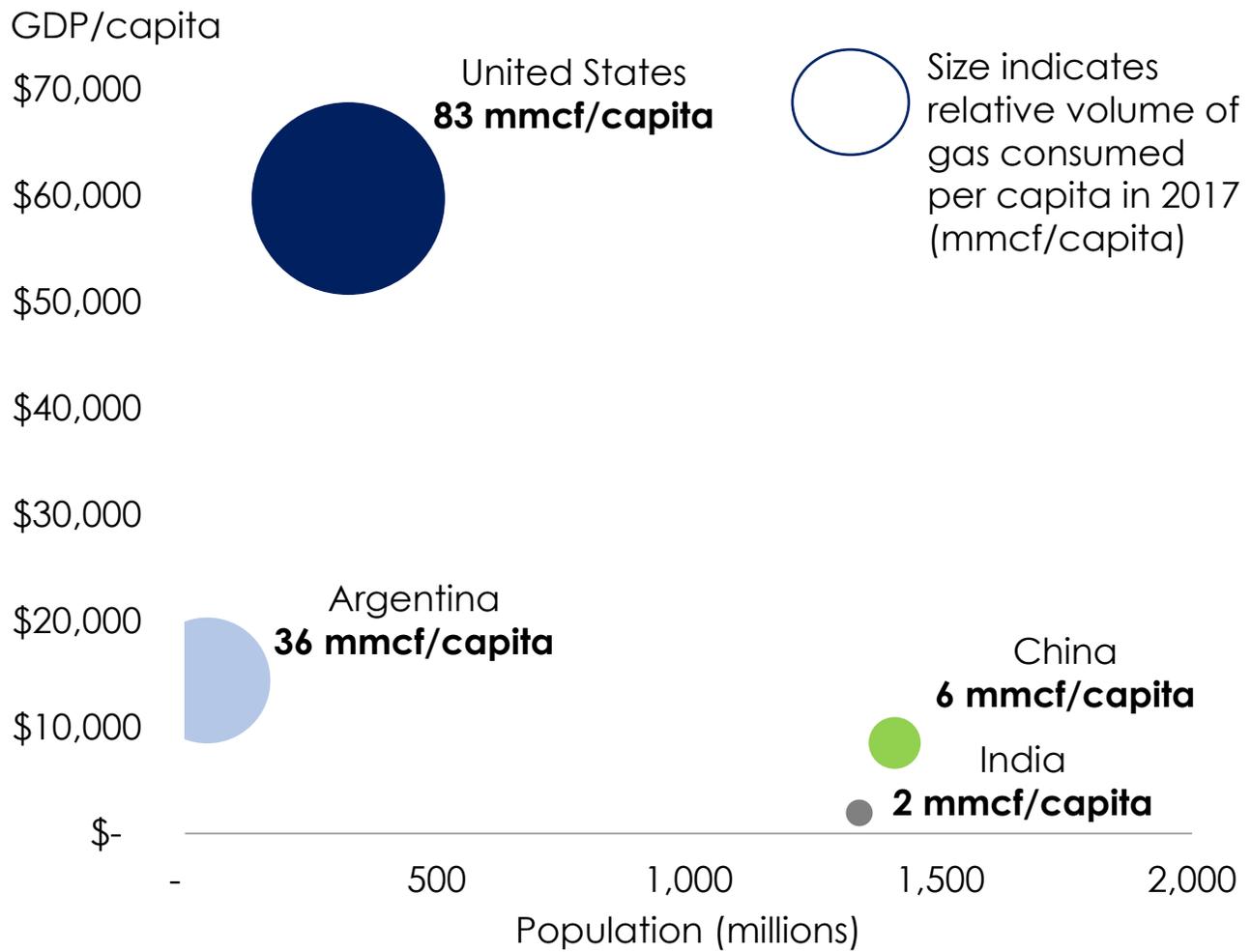


Sources: IHS Markit.

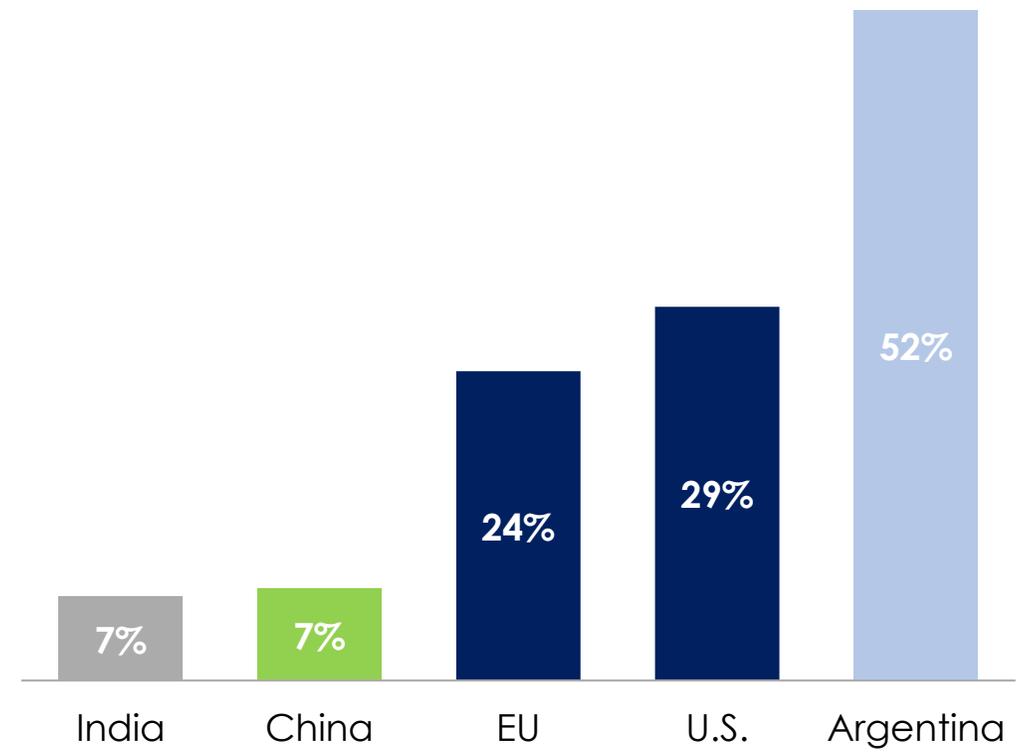


Emerging consumption: China and India

Population and economic growth imply significant upside to gas consumption in China and India



Natural gas' share of 2017 energy mix



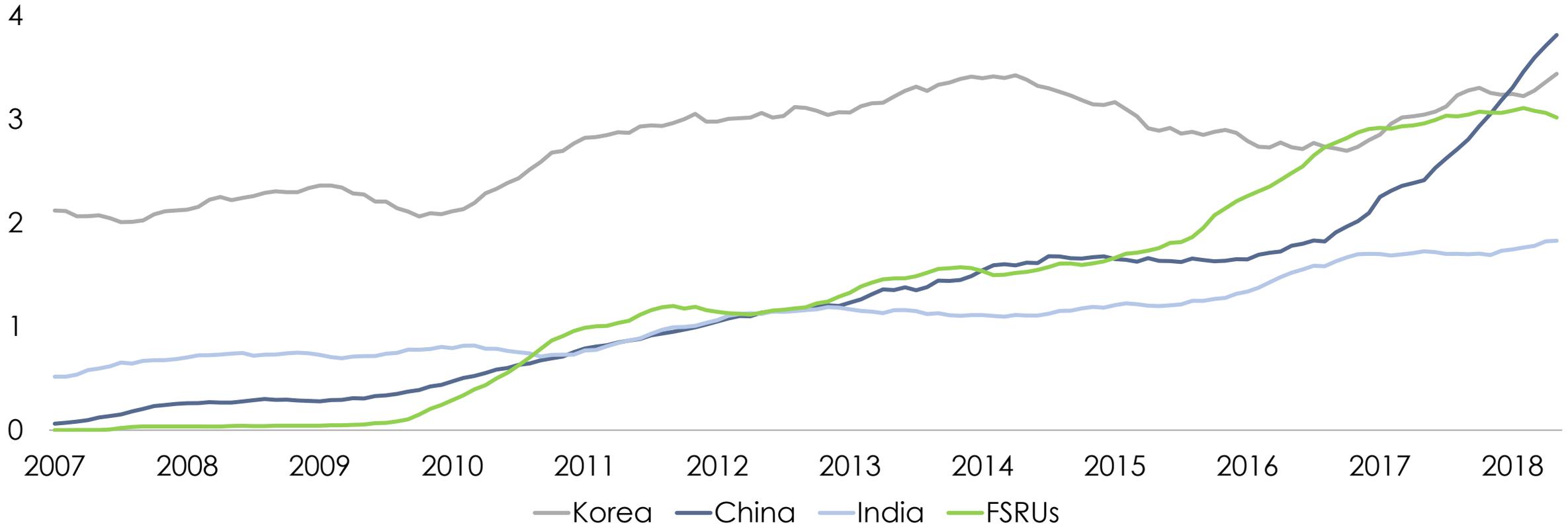
Sources: IHS Markit, SIA Energy, EIA, CIA World Factbook, BP Energy Outlook.



FSRU technology expands access to LNG

Imports via FSRUs represent fourth largest source of demand¹

mt per month

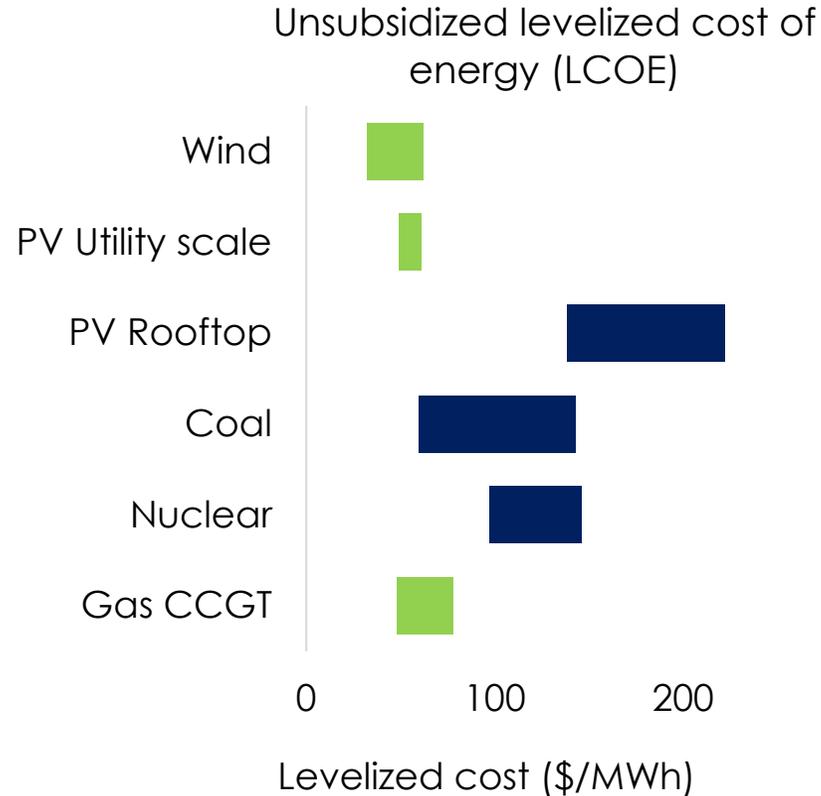


Source: IHS Markit, Tellurian analysis.
Notes: (1) Imports calculated on a rolling 12-month basis.

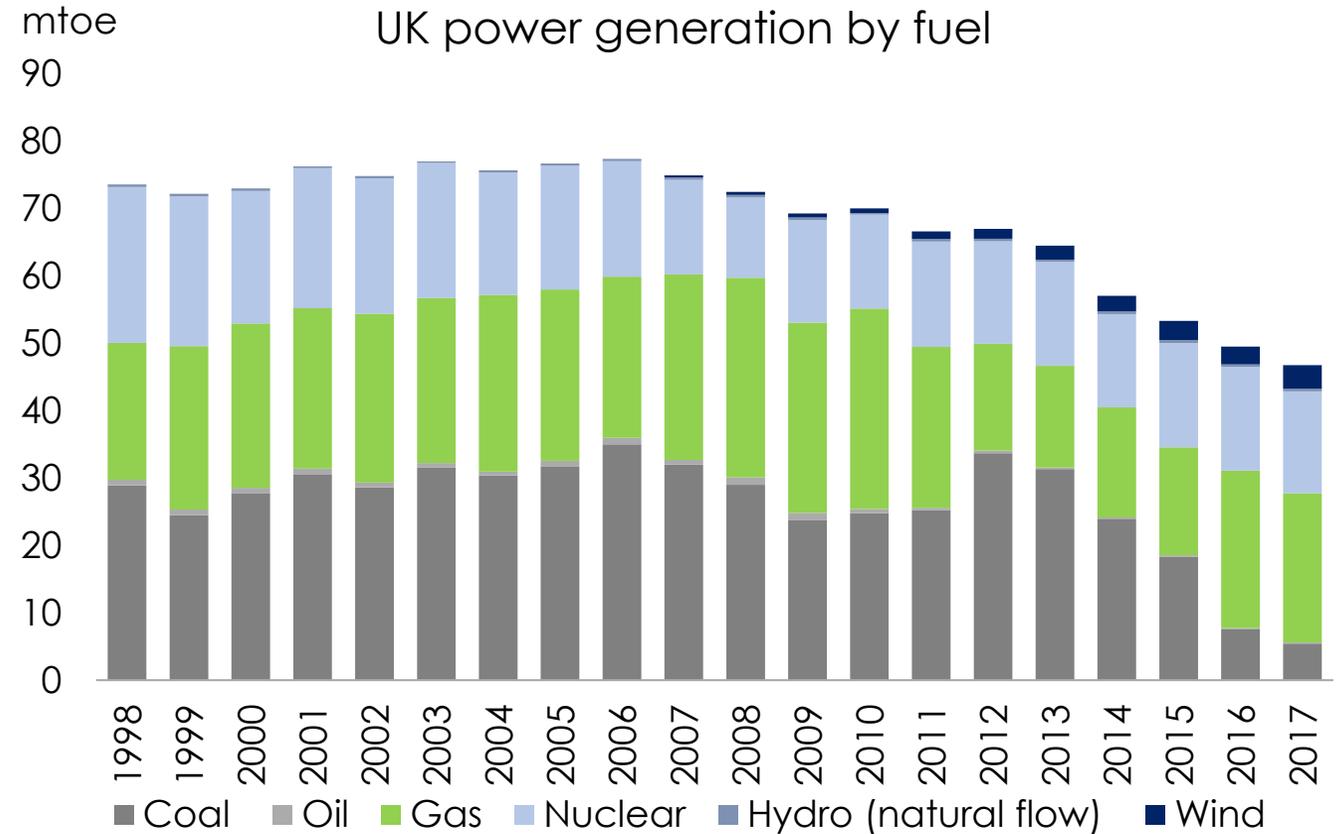


Natural gas helps Europe decarbonize

Gas-fired power generation is a cleaner, more affordable, and reliable backup to renewables



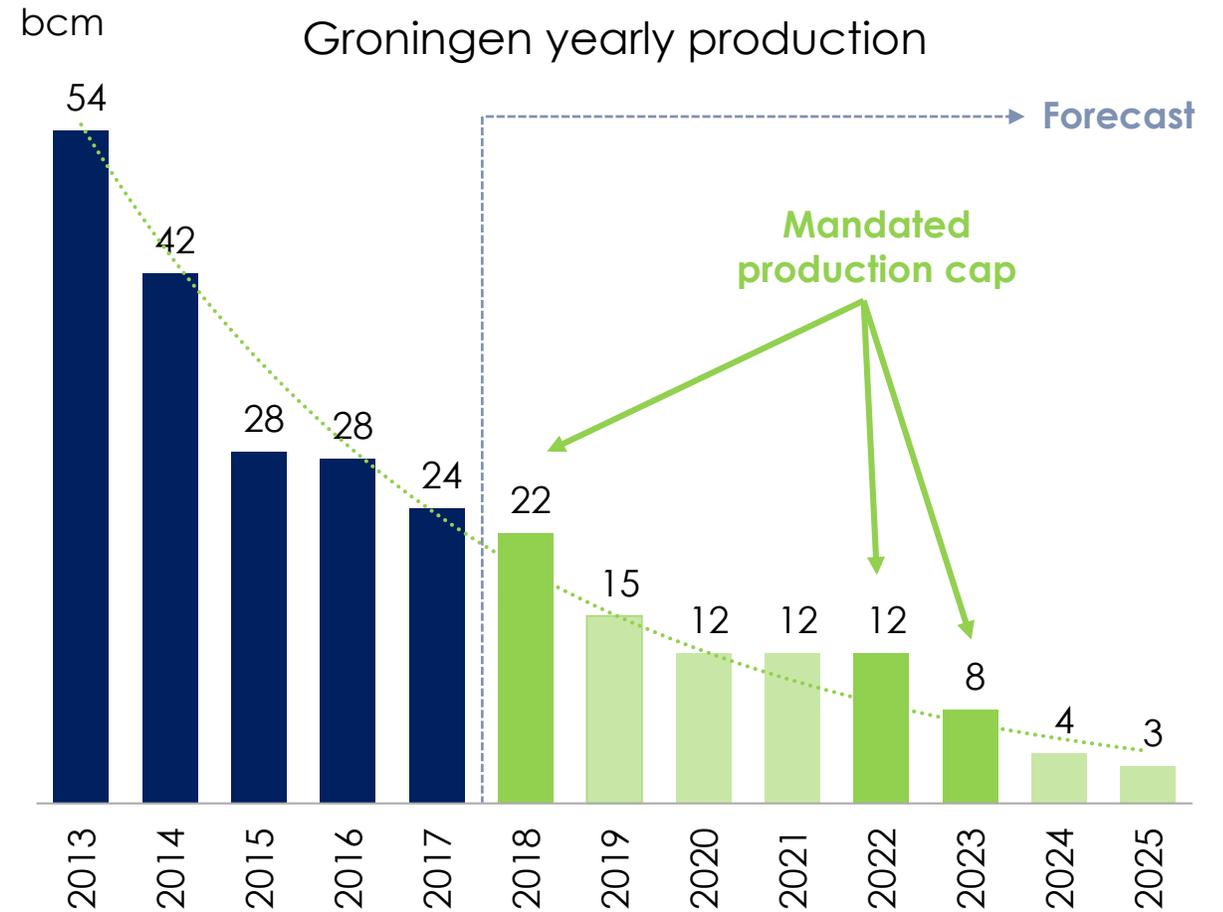
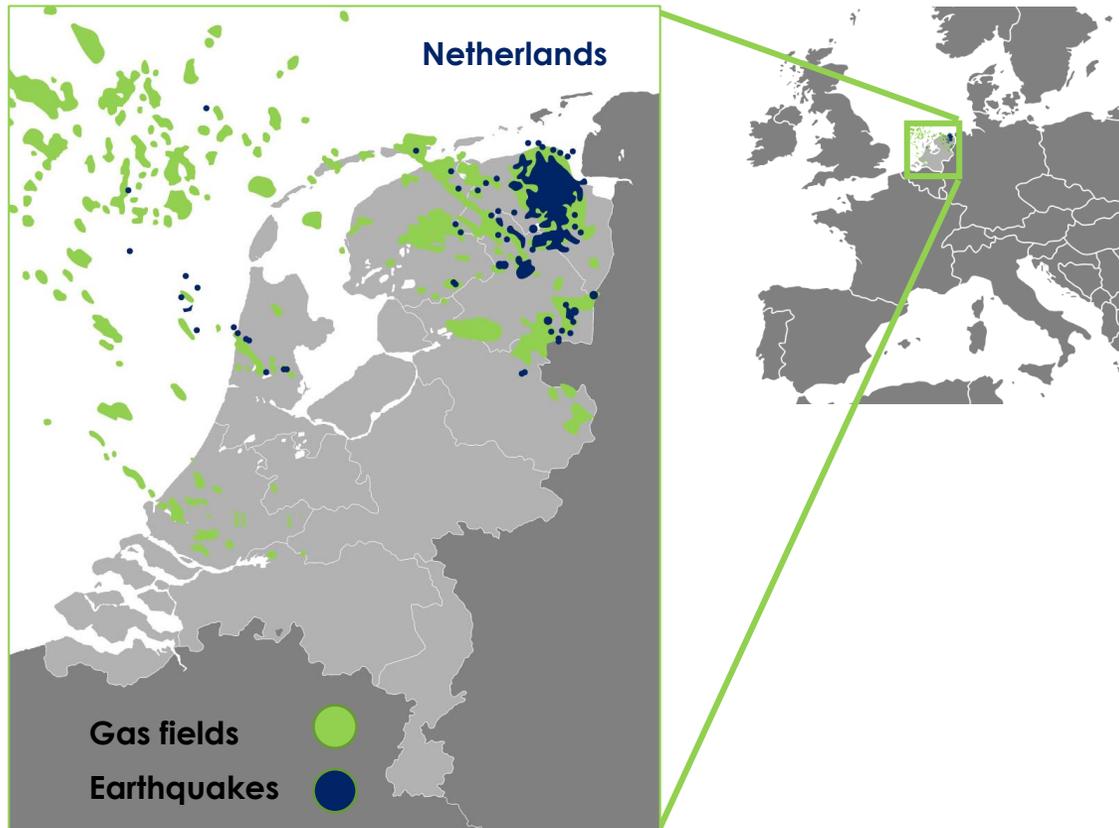
Natural gas share in UK's power mix grew to 42% as higher CO2 prices incentivized dispatch of cleaner fuels; Europe considering similar policies



Source: Lazard, UK Department for Business, Energy and Industrial Strategy (2018).

LNG required to offset Groningen declines

Netherlands capping production from the Groningen field requires 10 mtpa of LNG

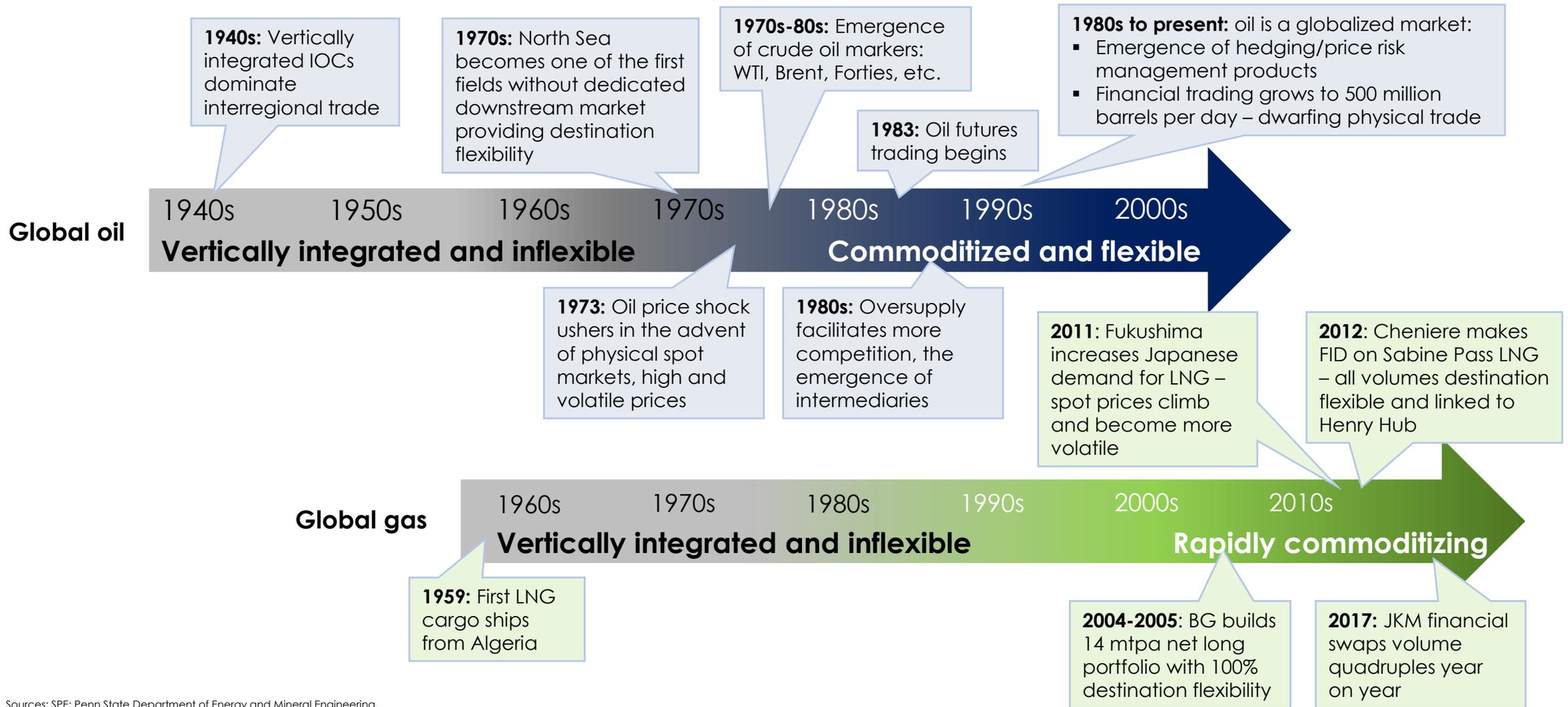


Source: NAM, Energy Aspects.



Gas is becoming a global commodity

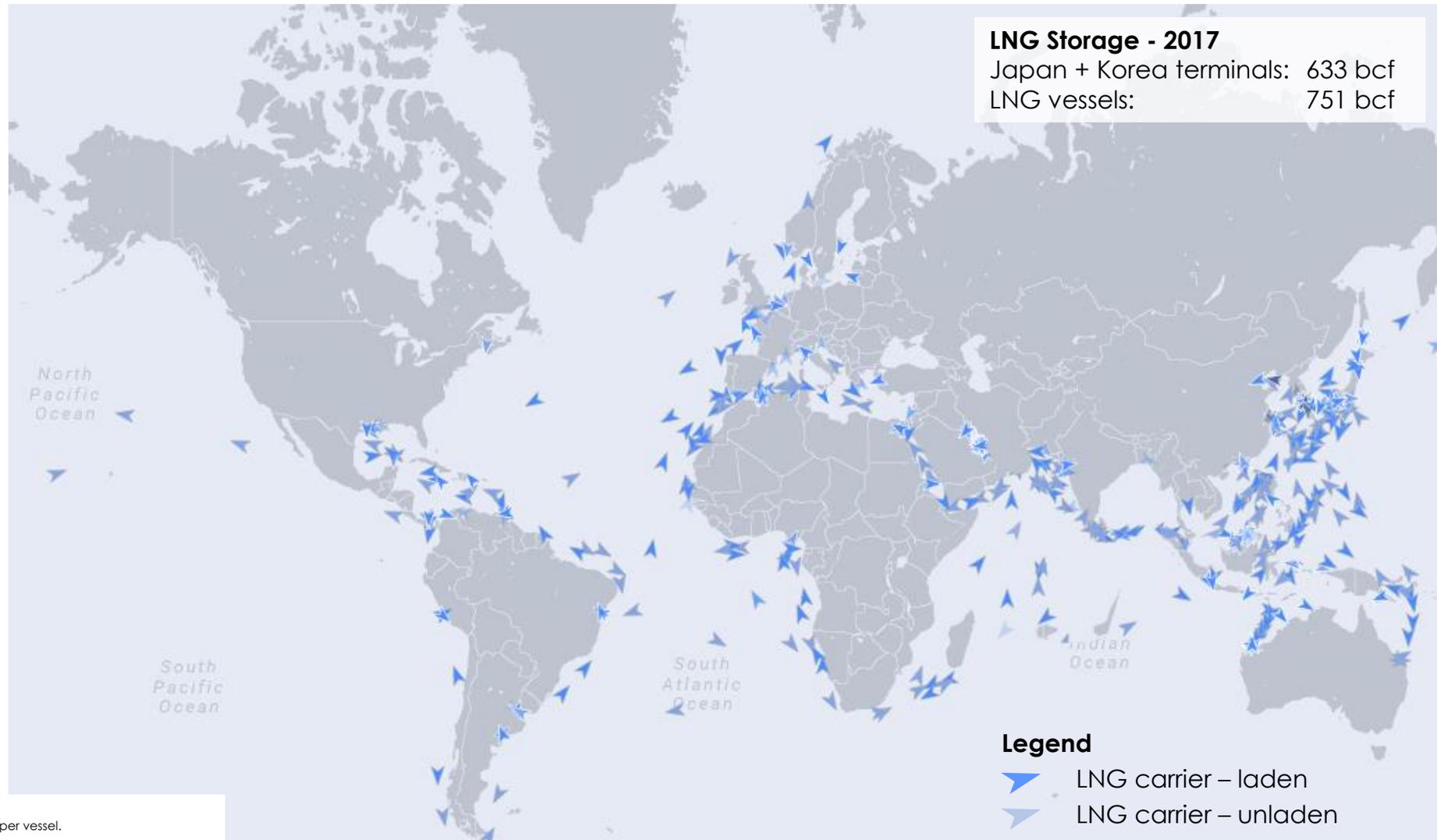
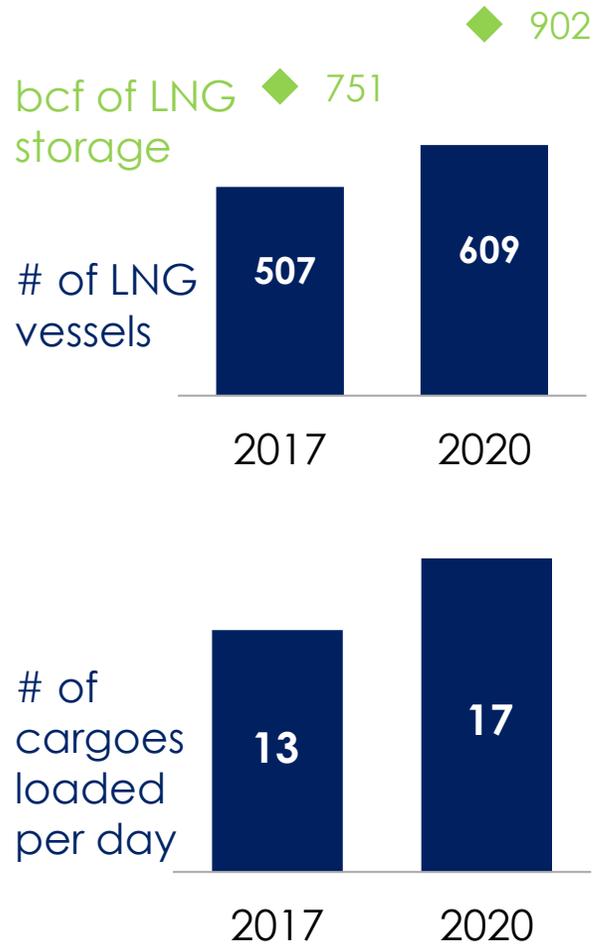
Today's LNG market exhibits remarkable similarities to the global oil market of late 20th century



Sources: SPE; Penn State Department of Energy and Mineral Engineering.



Deeper physical liquidity from infrastructure



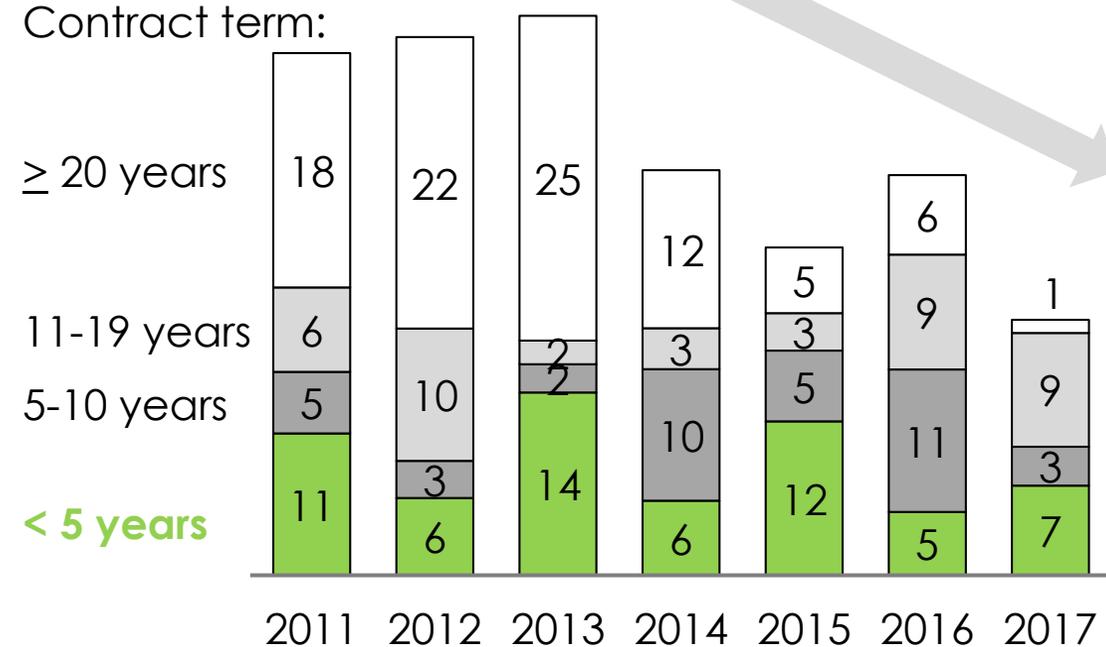
Sources: Kpler, Maran Gas, IHS, Wood Mackenzie.
 Notes: LNG storage assumes half of fleet is in ballast, 2.9 bcf capacity per vessel.
 Average cargo size ~2.9 bcf, assuming 150,000 m³ ship.
 In 2017, approximately a third of all LNG cargoes are estimated to be spot volumes.
 Based on line of sight supply through 2020.

LNG market is becoming liquid

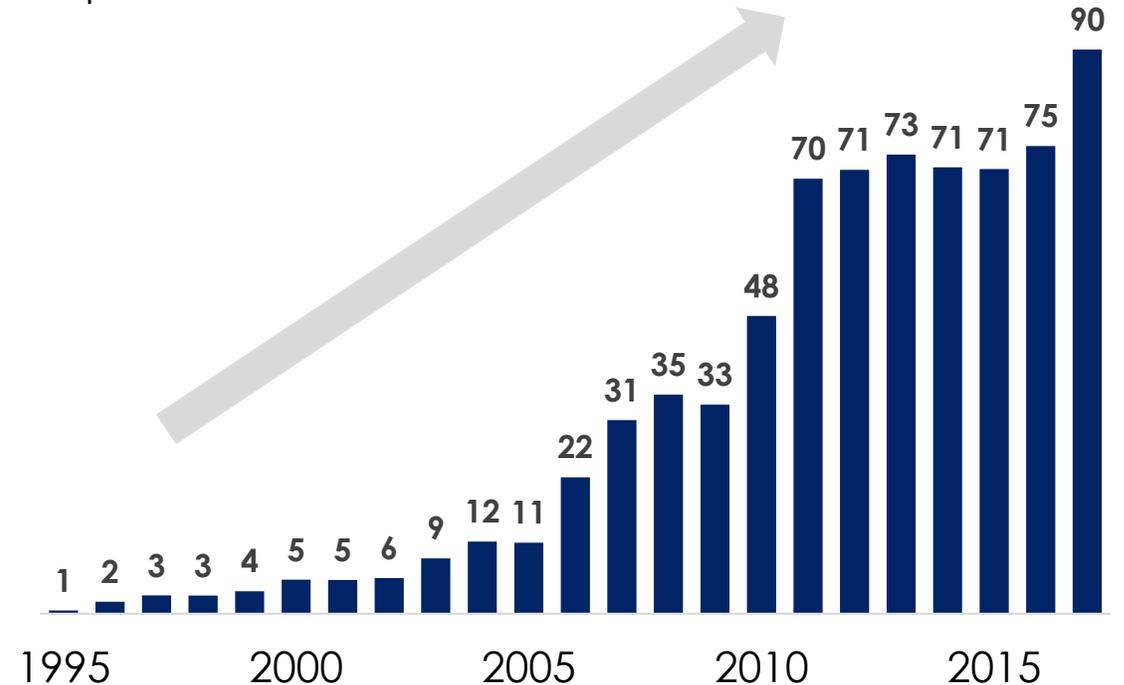
Long-term contracts are less prevalent

Short-term¹ LNG trade represents ~30% of market

Aggregate contract quantity by duration
mtpa



Short-term transactions
mtpa



Sources: Wood Mackenzie, IHS.
Notes: 1) Non long-term LNG trade – less than 2 years.

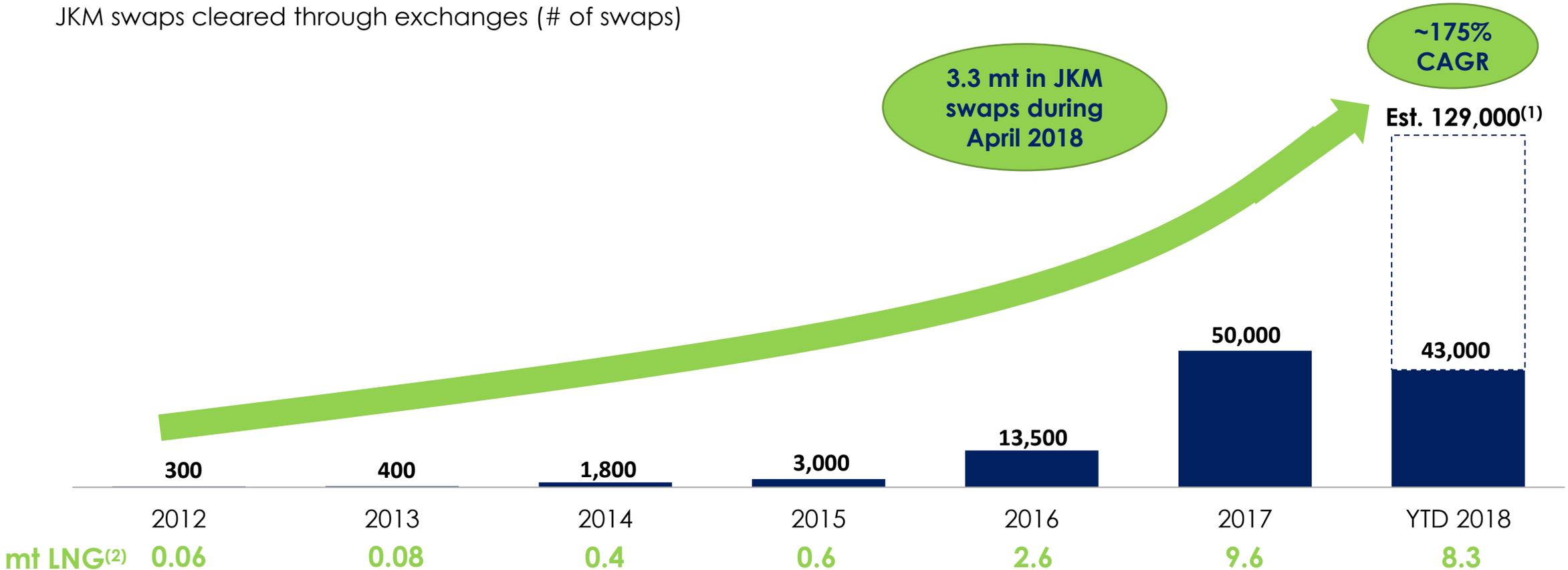


Financial derivatives are growing rapidly

JKM swaps cleared through exchanges have grown at 175% p.a.

Asian LNG derivative volumes

JKM swaps cleared through exchanges (# of swaps)



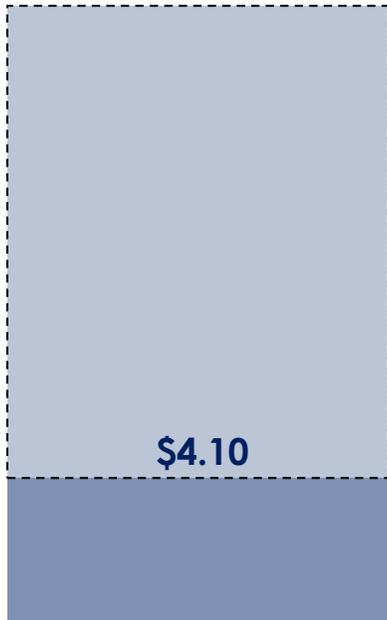
Sources: S&P Global Platts, ICE, CME.
Notes: (1) Based on year-to-date swaps through April 2018
(2) Assumes 1 lot = 10,000 mmBtus

Low cost on the water wins

\$/mmBtu

High-range

\$17.46



Low-range

\$4.10

Spot Gulf Coast Marker range ⁽¹⁾

Driftwood

\$3.00

20-year U.S. tolling model

\$2.75

\$0.75

\$3.00

Gas sourcing (Henry Hub)
Transport
Liquefaction

\$3/mmBtu LNG on the water is always in the money⁽¹⁾

Price-taker

\$3.00 on the water

\$6.50 on the water

Sources: Platts, Tellurian analysis.

Notes: (1) From January 1, 2014 to January 19, 2018.

Conversion factors

Natural gas and LNG	To:				
	1 billion cubic meters of natural gas (bcm)	1 billion cubic feet of natural gas (bcf)	1 million metric tonnes LNG (mt)	1 trillion British thermal units (tBtu)	1 million tonnes of oil equivalent (mtoe)
From	Multiply by				
1 billion cubic meters of natural gas (bcm)	1	35.3	0.72	35.7	0.9
1 billion cubic feet of natural gas (bcf)	0.028	1	0.021	1.01	0.025
1 million tonnes LNG (mt)	1.38	48.7*	1	52	1.22
1 trillion British thermal units (mmBtu)	0.028	0.99	0.019	1	0.025
1 million tonnes of oil equivalent (mtoe)	1.11	39.2	0.82	39.7	1

1 MWh = 3,412 mmBtu = 3.412 mmcf

*includes 6.3% losses in transportation for international LNG trade