



Penn America Energy





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AT A GLANCE

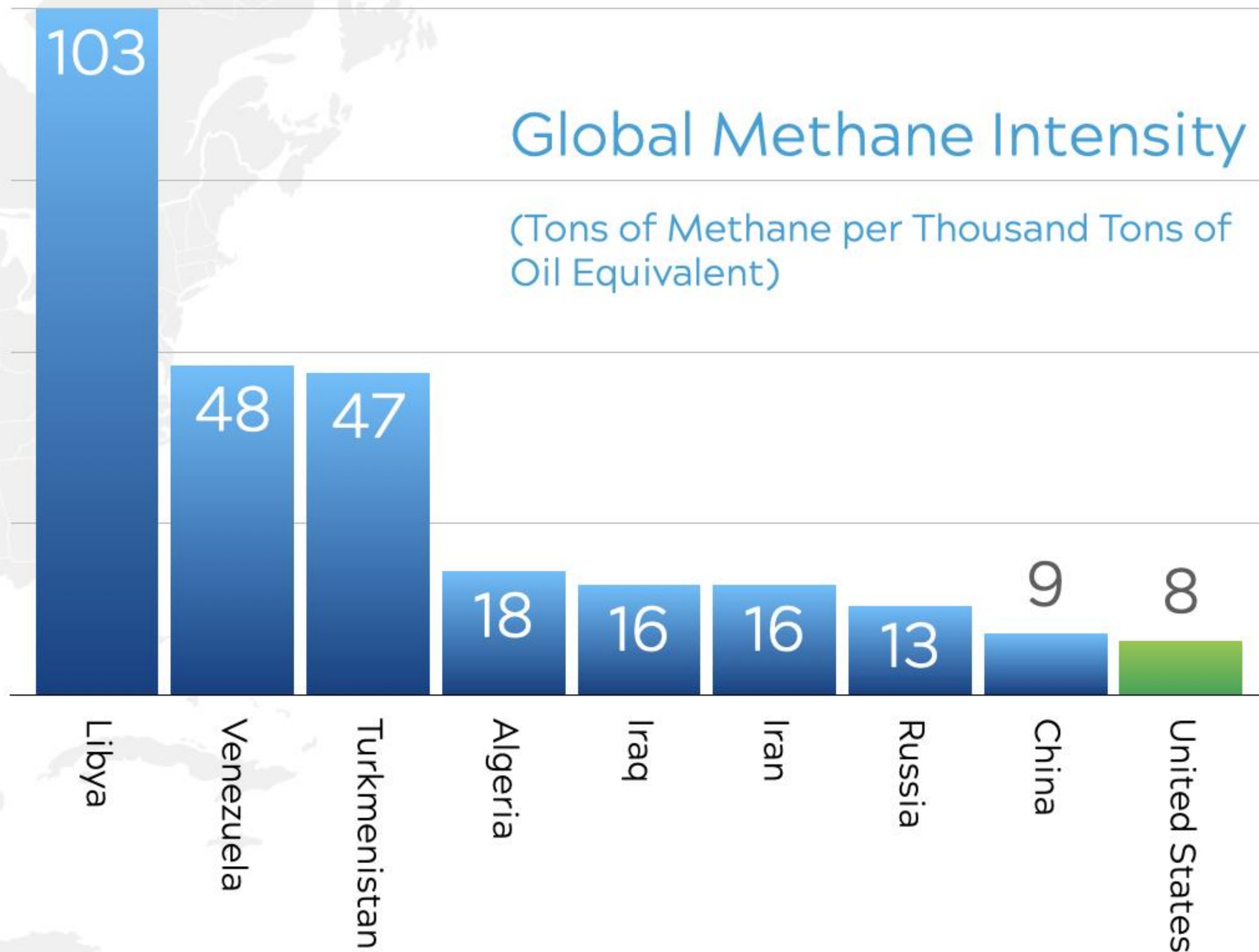


AT A GLANCE

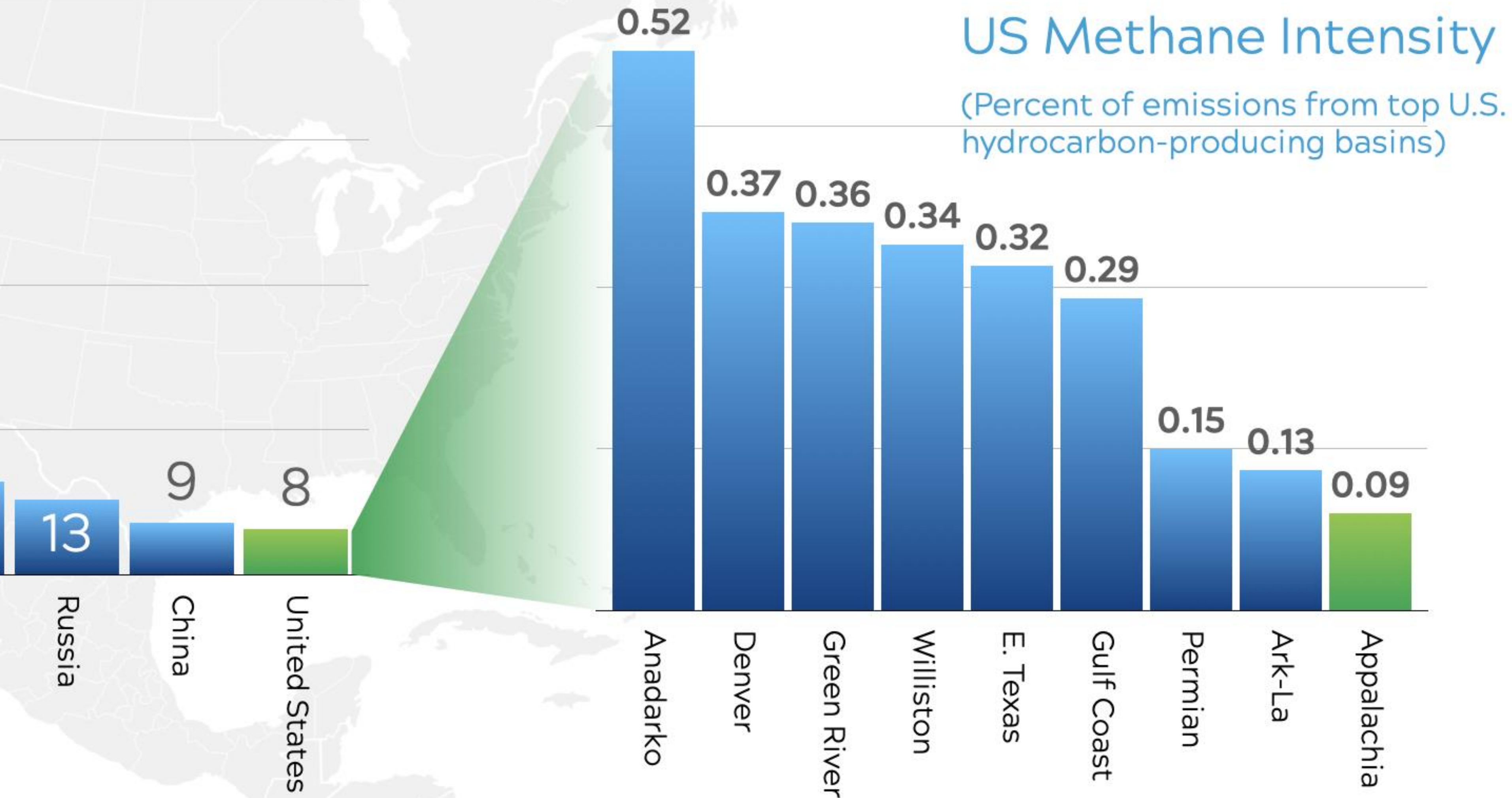
Total Capacity PFD (MTPA)	7.2
Construction Duration (Mo.)	48/52
LNG Storage Capacity (000s m3)	320
# of Electric Motor Drives	4

The Delaware River is an ideal export location

DESIGNED TO BE THE CLEANEST AND MOST RESPONSIBLE LNG TERMINAL



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PENN PROCESS WILL BE 99.84% CARBON NEUTRAL

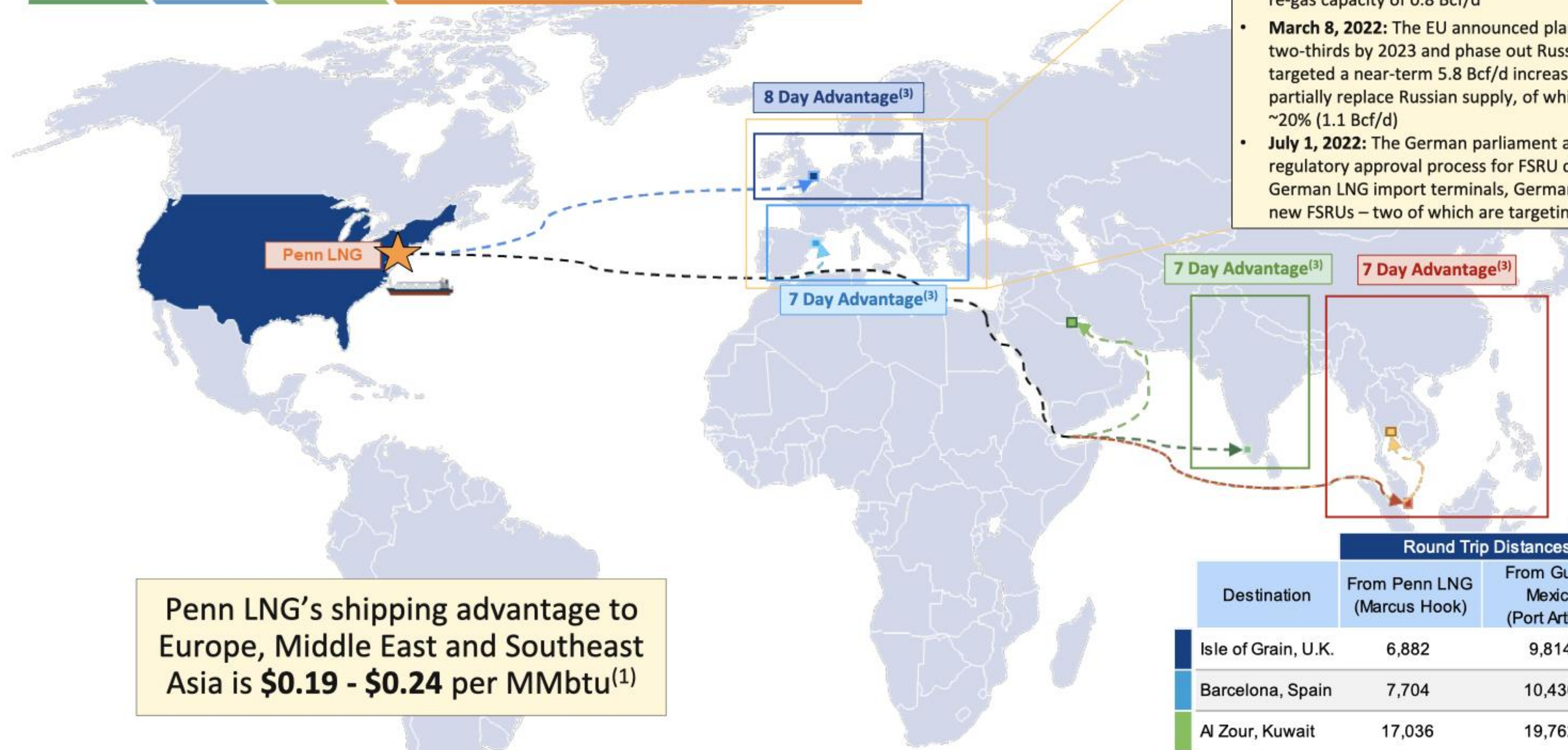
Liquefaction process eliminates nearly all potential emissions through full electric compression

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Baker Hughes 



SHIPPING ADVANTAGE TO EUROPE AND SOUTHEAST ASIA



Substantial European Energy Policy Shifts Heighten Need for Imported LNG

- March 5, 2022:** Germany announced development of its first LNG import terminal to cut dependence on Russian gas imports, expected to enter service in 2024 with re-gas capacity of 0.8 Bcf/d
- March 8, 2022:** The EU announced plans to reduce Russian natural gas imports by two-thirds by 2023 and phase out Russian gas entirely by 2030. Europe has targeted a near-term 5.8 Bcf/d increase in natural gas and LNG imports to partially replace Russian supply, of which Penn LNG contribution would represent ~20% (1.1 Bcf/d)
- July 1, 2022:** The German parliament approved legislation to accelerate the regulatory approval process for FSRU development. Given the lack of existing German LNG import terminals, Germany has fast-tracked the deployment of 4 new FSRUs – two of which are targeting in-service by year-end 2022

Penn LNG's shipping advantage to Europe, Middle East and Southeast Asia is **\$0.19 - \$0.24 per MMBtu⁽¹⁾**

Destination	Round Trip Distances in Nautical Miles			Days @ 16 kts
	From Penn LNG (Marcus Hook)	From Gulf of Mexico (Port Arthur)	Penn LNG Distance Saved	Trip Days Shortened
Isle of Grain, U.K.	6,882	9,814	2,932	7.6
Barcelona, Spain	7,704	10,430	2,726	7.1
Al Zour, Kuwait	17,036	19,762	2,726	7.1
Kochi, India	16,974	19,630	2,656	6.9
Singapore	20,612	23,254 ⁽²⁾	2,642	6.9
Map Ta Phut, Thailand	22,090	24,026	1,936	5.0

Suez Transit

Source: sea-distances.org for voyage distances.
 (1) Assumes 174,000 m3 modern LNG vessel, low boil-off rate, \$74k/day charter rate, Suez canal transit charges and related port expenses, and assumes 1.5 days for each of loading and discharging.
 (2) Shortest possible round trip sailing distance via the Panama Canal.
 (3) Advantage relative to Gulf of Mexico LNG export facilities.

LNG BUYER DISCUSSIONS



MITSUI & CO.



Chevron



ignitis
group



PetroChina



OMV



ENN



PGNiG

centrica



JODC



enel



PSE



EDISON
EDF GROUP



PAVILION
ENERGY



bp



eni



POSCO
ENERGY



NewFortress
energy



uni
per



Japan
Trading
House



BKV



ENGIE



International
Trading
House



oregas



BOTAŞ

RWE



Slovakia

EnBW



ptt



Vitol



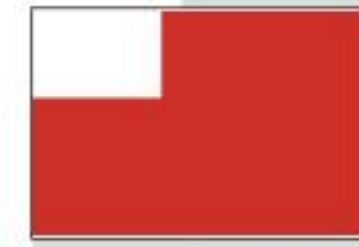
equinor



Saudi Arabia



Estonia



Abu Dhabi



Hungary

KOCH



MITSUBISHI



KYUSHU ELECTRIC
POWER CO., INC.



Latvenergo

IDEAL LOCATION TO DELIVER APPALACHIA NATURAL GAS

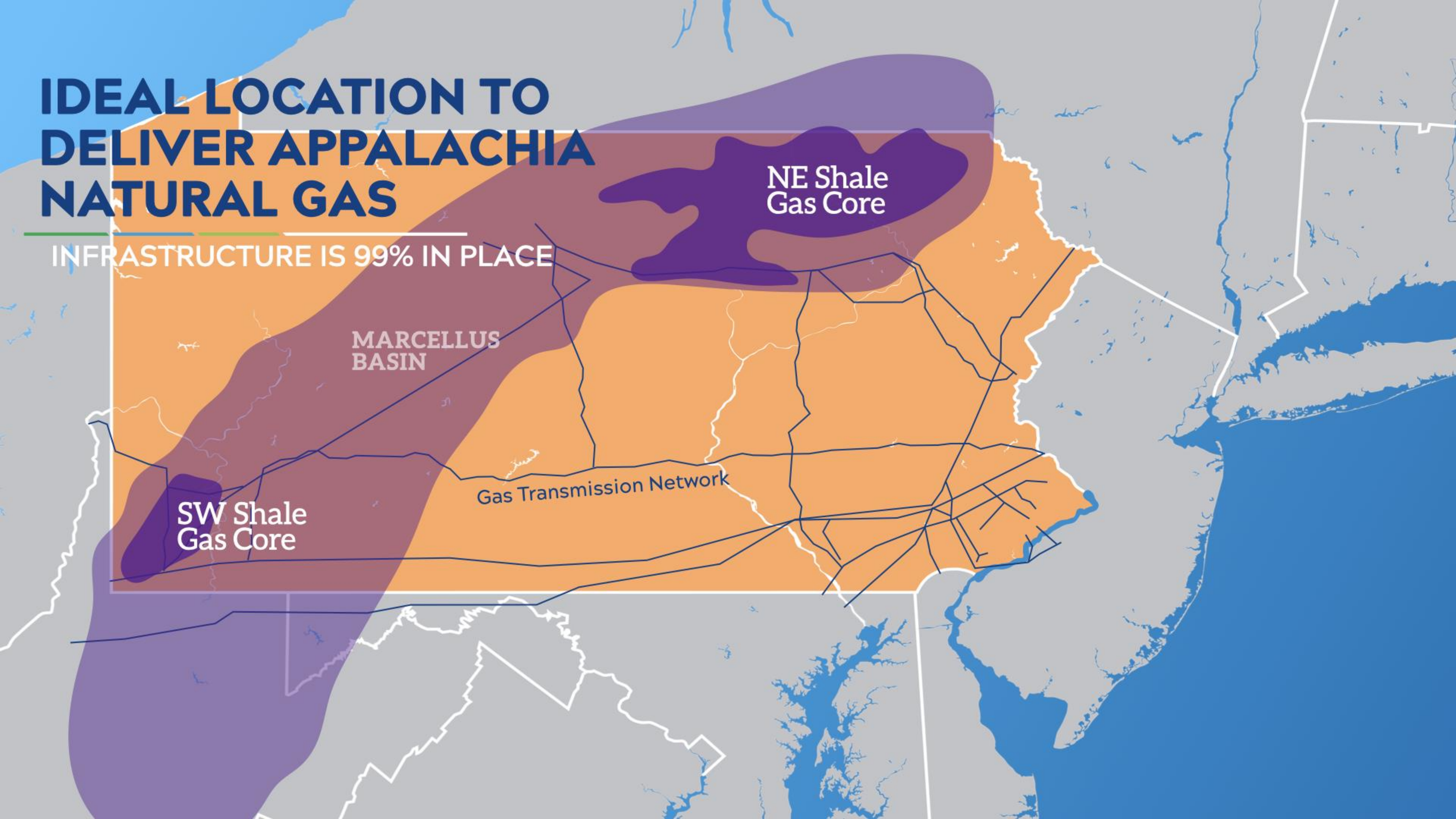
INFRASTRUCTURE IS 99% IN PLACE

NE Shale Gas Core

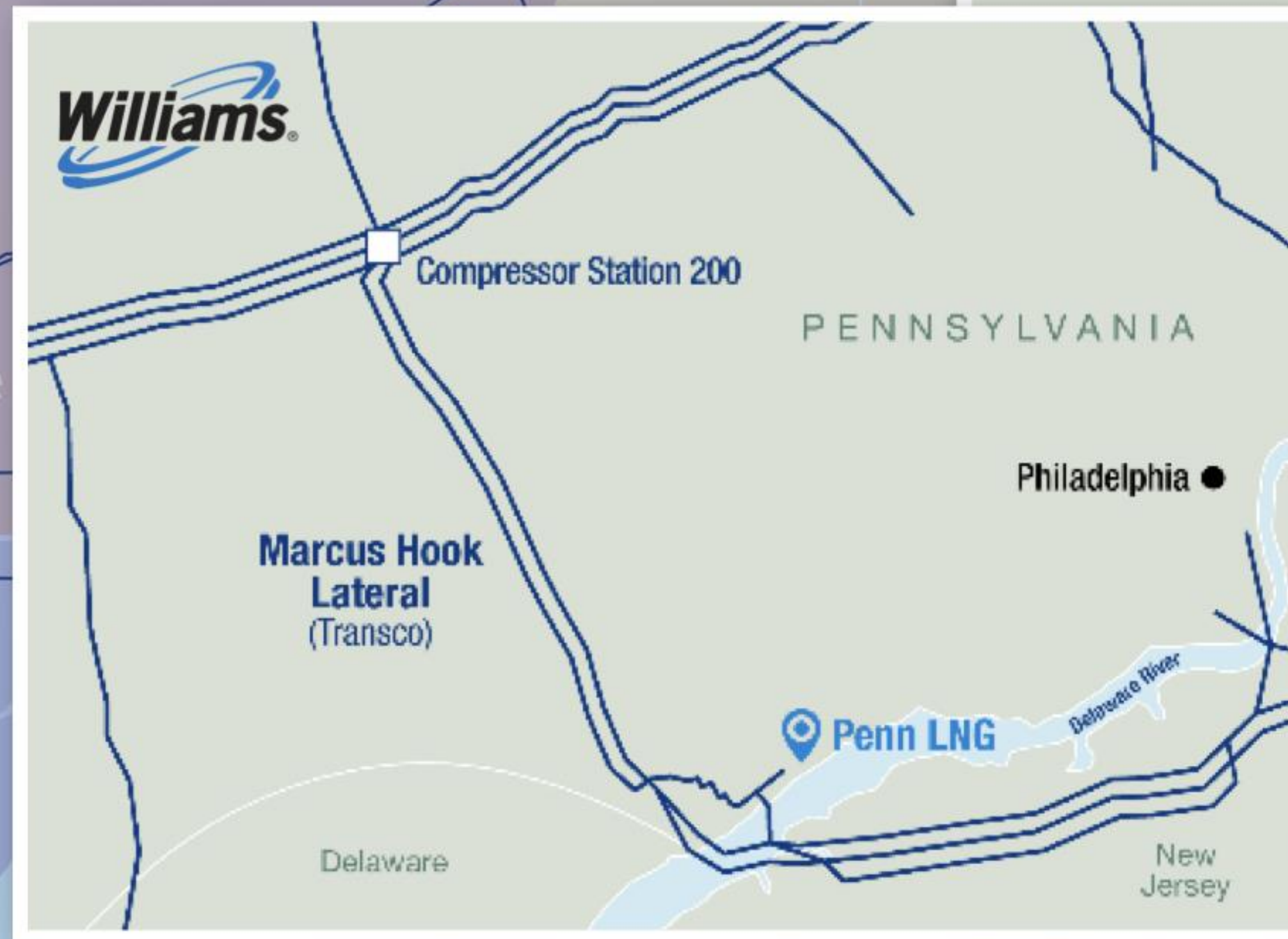
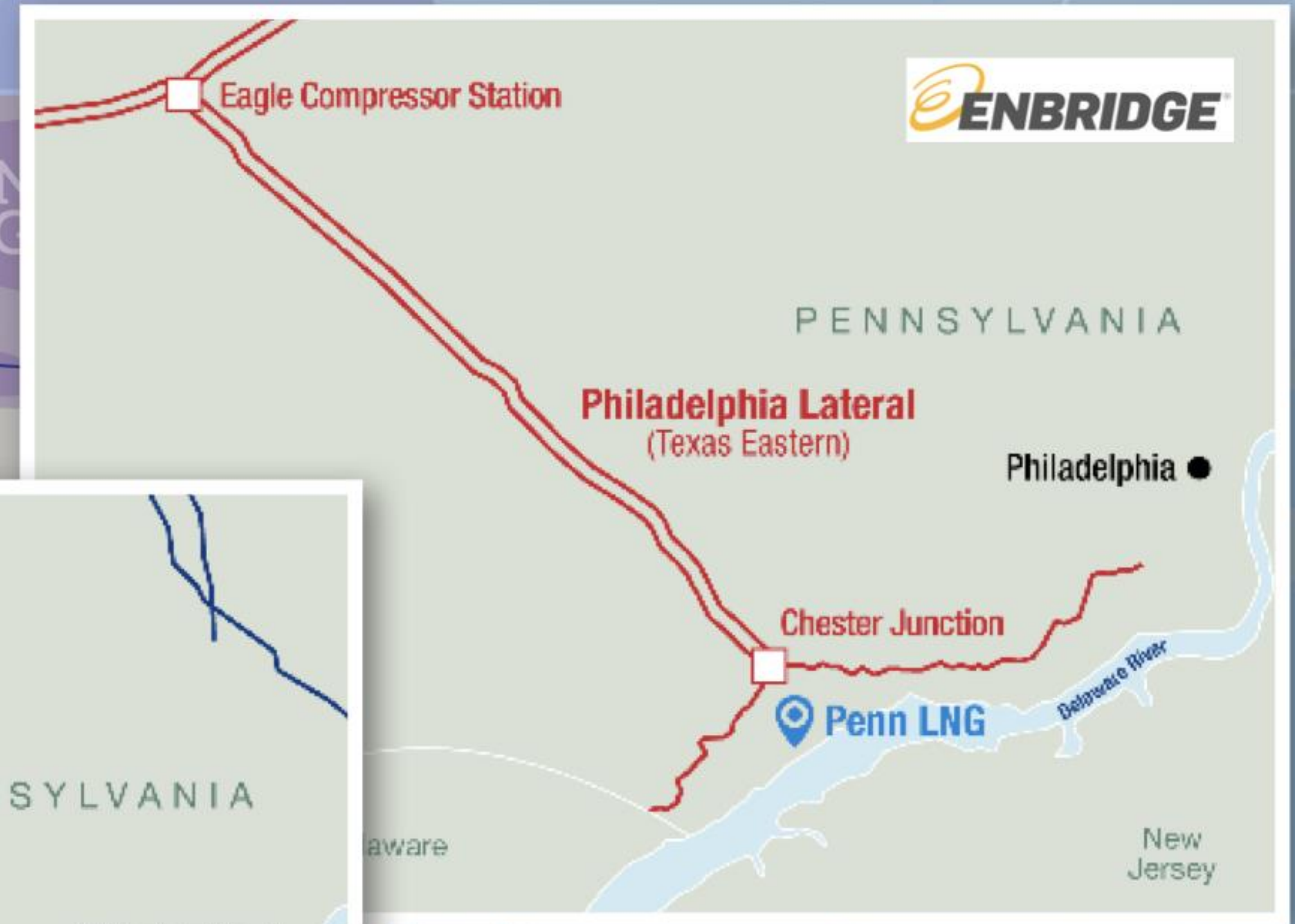
MARCELLUS BASIN

SW Shale Gas Core

Gas Transmission Network




INFRASTRUCTURE IS 99% IN PLACE



EARNING THE RIGHT TO BE A NEIGHBOR


Implementing plan to lift a decades long underserved and economically depressed people within the region



**ATC
SIMULATOR
TRAINING**

April 7th and 8th
**8:30am -
2:30pm**

In Partnership with
UFA



**200 West
9th Street
Chester, PA**

We Need Your Expertise - Sign Up Now



Penn America Foundation

Partnering with local community organizations.

Providing skills-centered educational & environmental training for the region

DELIBERATE & EXTENSIVE PREPARATION

Started Agency Discussion and Pre-Feed Process to Expedite FERC Approval Process

2021

H1: Gas Supply & Pipeline Discussions

H2: Initial LNG Buyer Discussions

2022

Pre-FID Funding & FERC Pre-file

2023

FERC Application Submission & Financial Launch for Post-FID Funding

2024

FERC Approval & FID & Bechtel Commence Construction

2025

Bechtel Energy Construction

2026

Bechtel Energy Construction

2028

Targeting First Cargoes in Q1 2028



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DESIGNED TO BE THE CLEANEST LNG TERMINAL

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CRAIG WEBSTER

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