

The Evolution of Petrochemical Midstream Services
World Chemical Forum 2023

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SVP Petrochemicals

September 2023

NYSE: EPD

Enterprise Products Partners L.P.

A Fully Integrated Midstream Energy Company

Our Platform

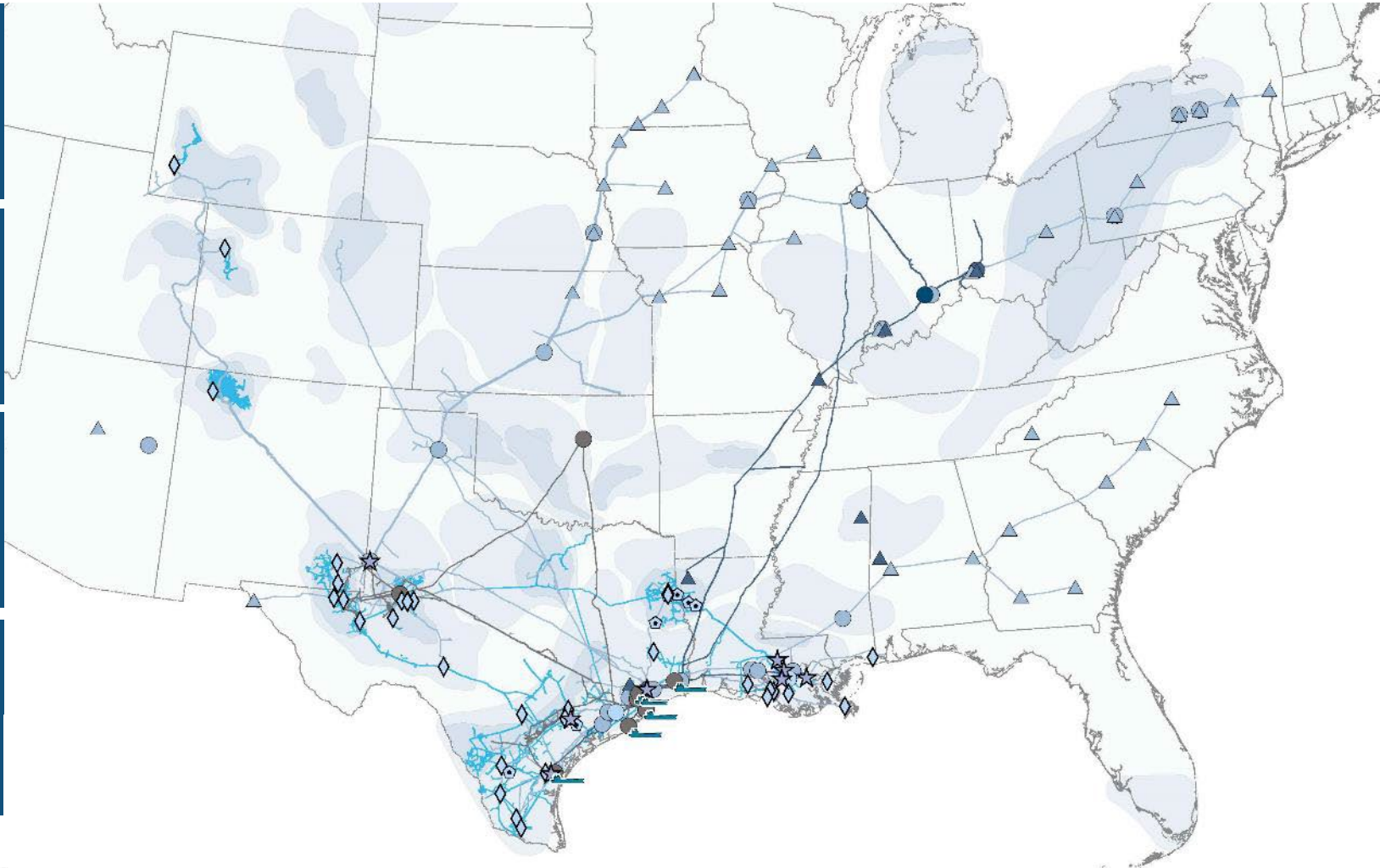
NGLs, Crude Oil, Natural Gas, Petrochemicals, and Refined Products

>50,000
Miles
of Pipeline

260
MMBbls of
Liquids Storage

20
Deepwater Docks

30
Natural Gas
Processing Plants



26
Fractionators

2
PDH

2
iBDH

S&P A-
Credit Rating

~\$58B⁽¹⁾ Market
Capitalization

~\$86B⁽¹⁾ Enterprise
Value



A full interactive map of our assets is available on our website, [enterpriseproducts.com](https://www.enterpriseproducts.com).

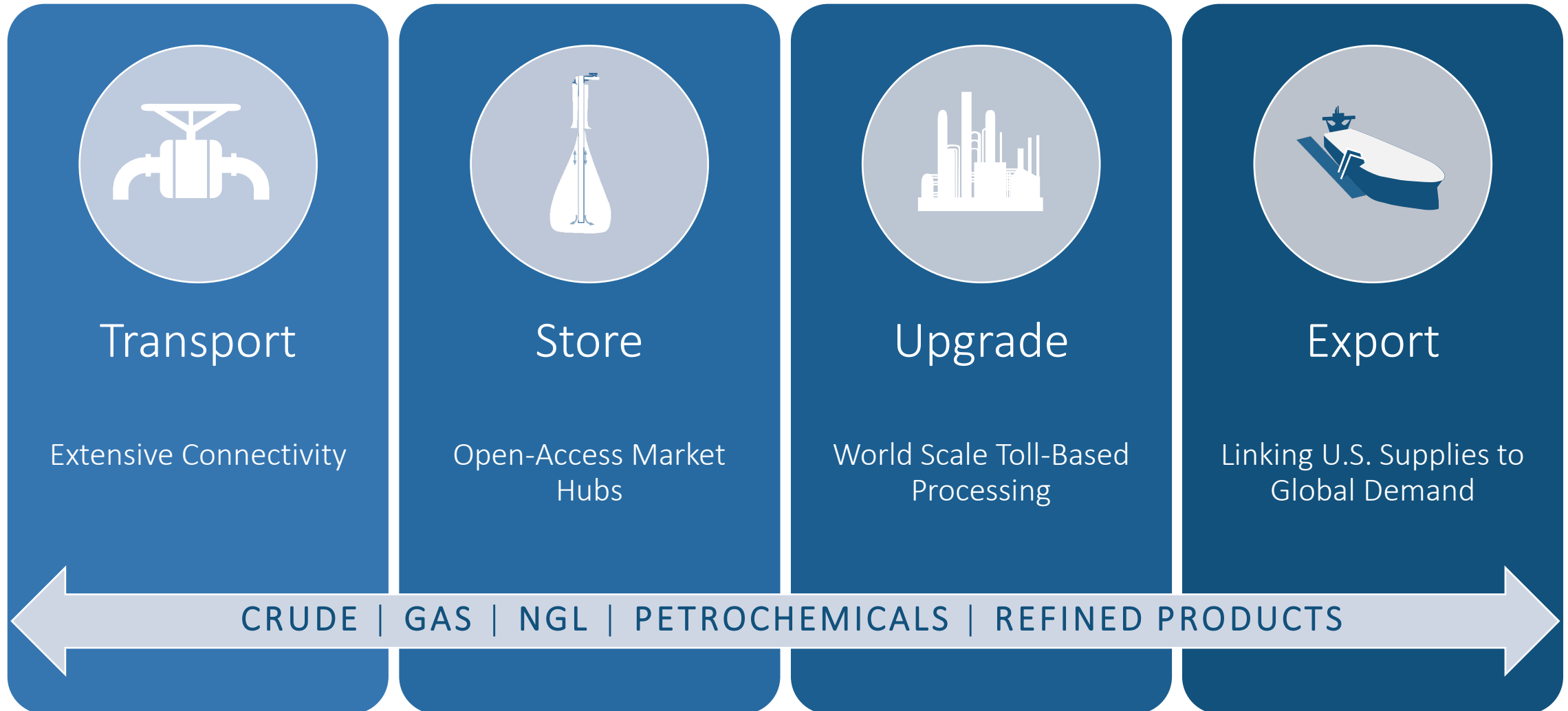
(1) Bloomberg data as of Aug 3, 2023

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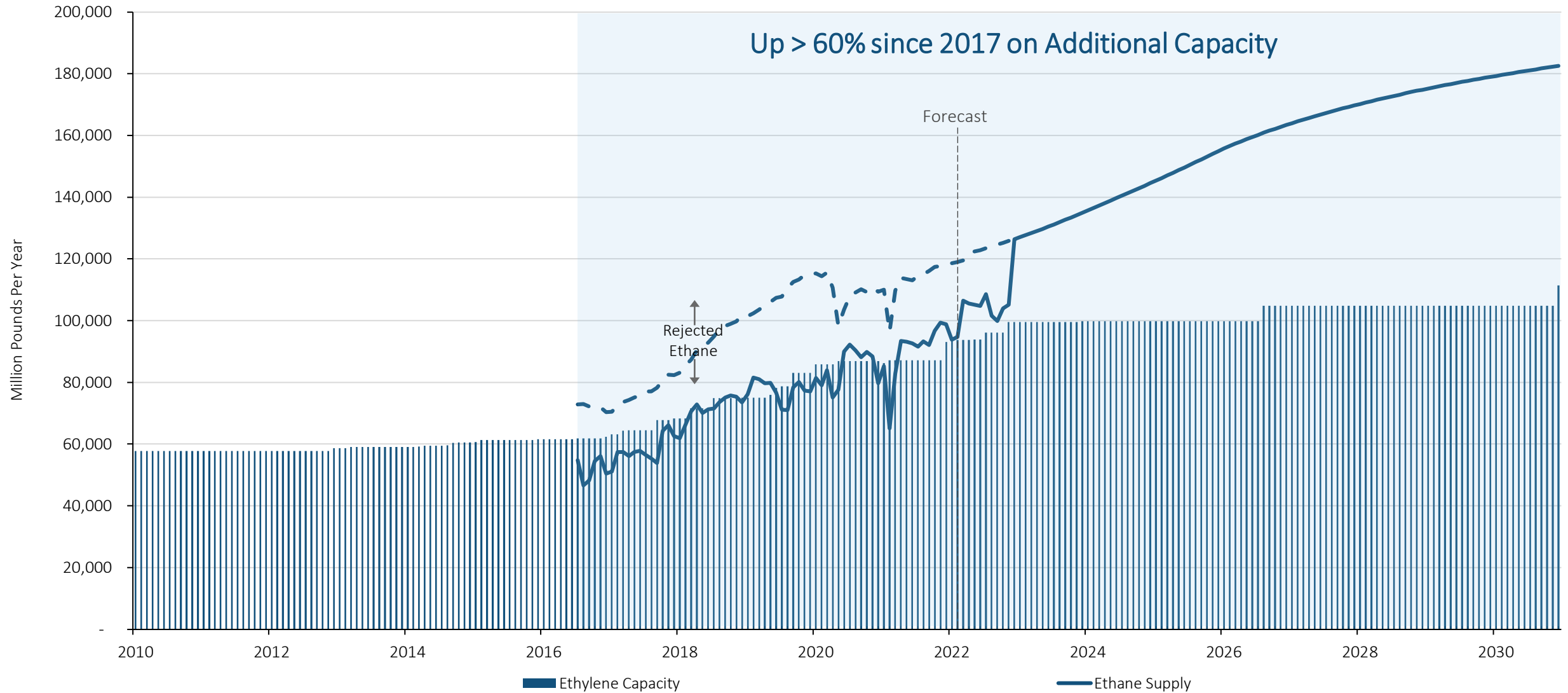
What is Midstream?

Providing Customers Access to Economies of Scale



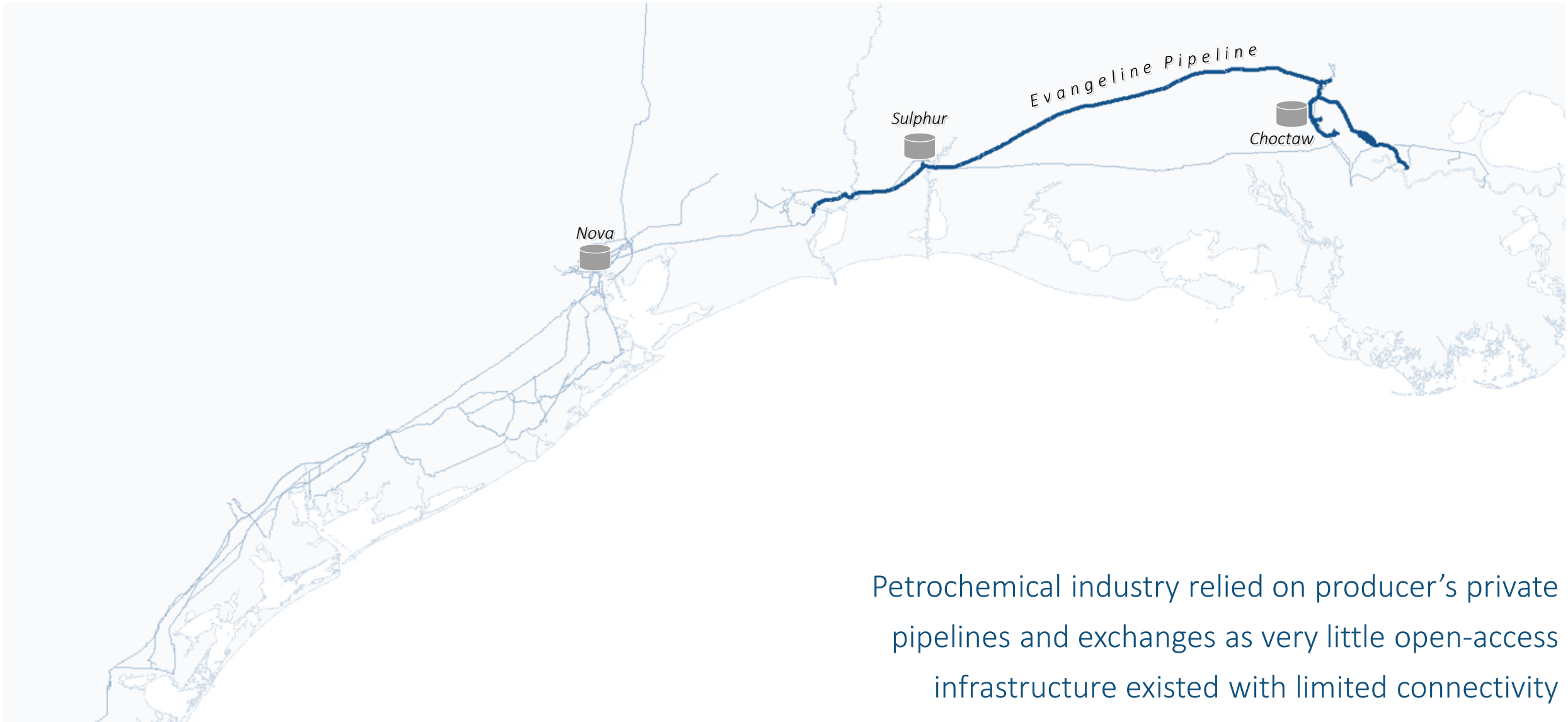
U.S. Petrochemical Industry Growth

Ethylene Capacity Growth since 2010



Open-Access Ethylene Infrastructure

Prior to 2018



Petrochemical industry relied on producer's private pipelines and exchanges as very little open-access infrastructure existed with limited connectivity

2023+ Open-Access Ethylene Infrastructure



Pricing has global access

Header system allows customers to balance supply & demand

Significant growth projects in construction & development

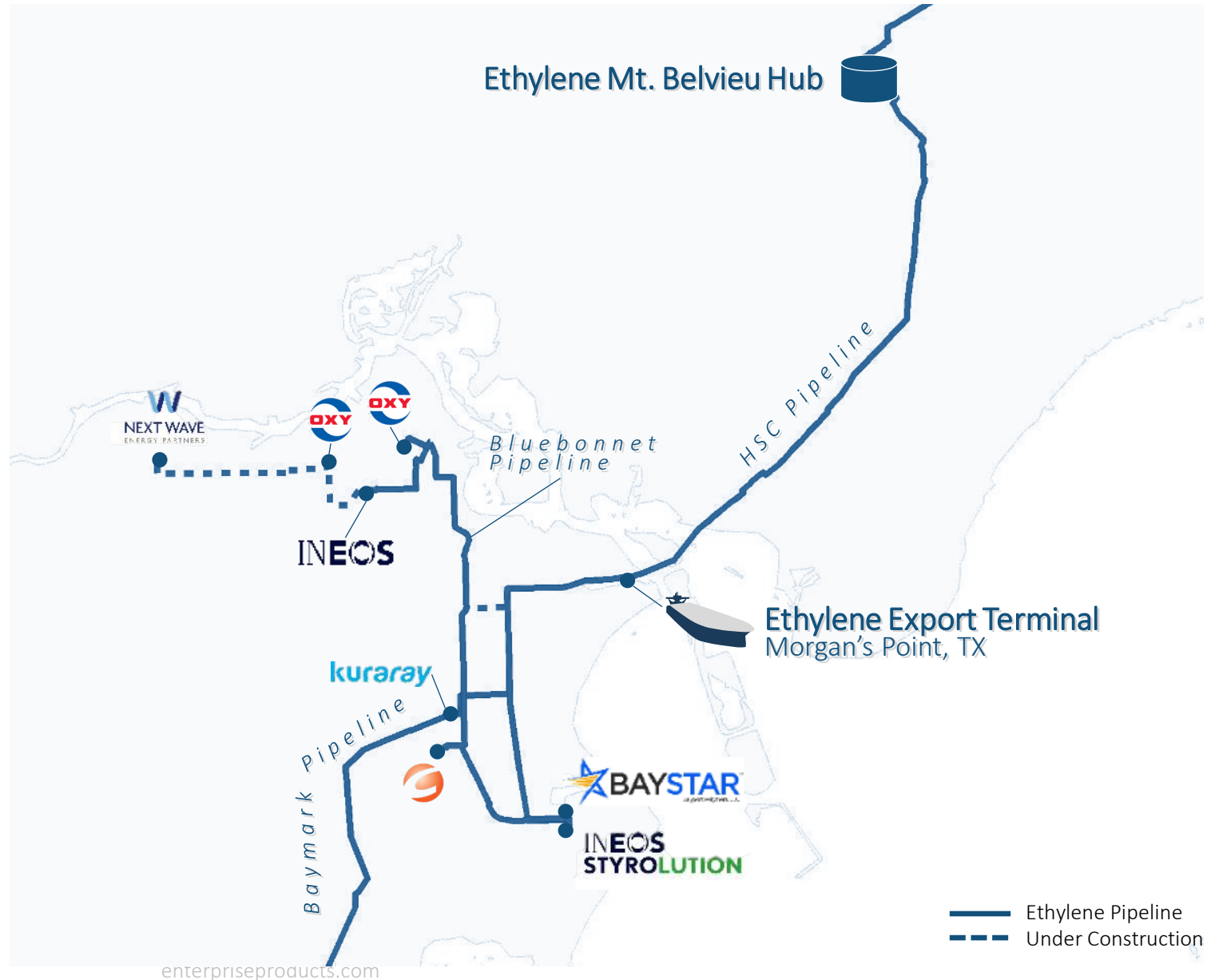
Houston Ship Channel Area

HSC PIPELINE

- 20" ANSI900 pipeline built in 2019
- Connections to:
 - Mt. Belvieu Ethylene Hub
 - Baystar Bayport
 - Baymark and Bluebonnet Pipelines

BLUEBONNET PIPELINE

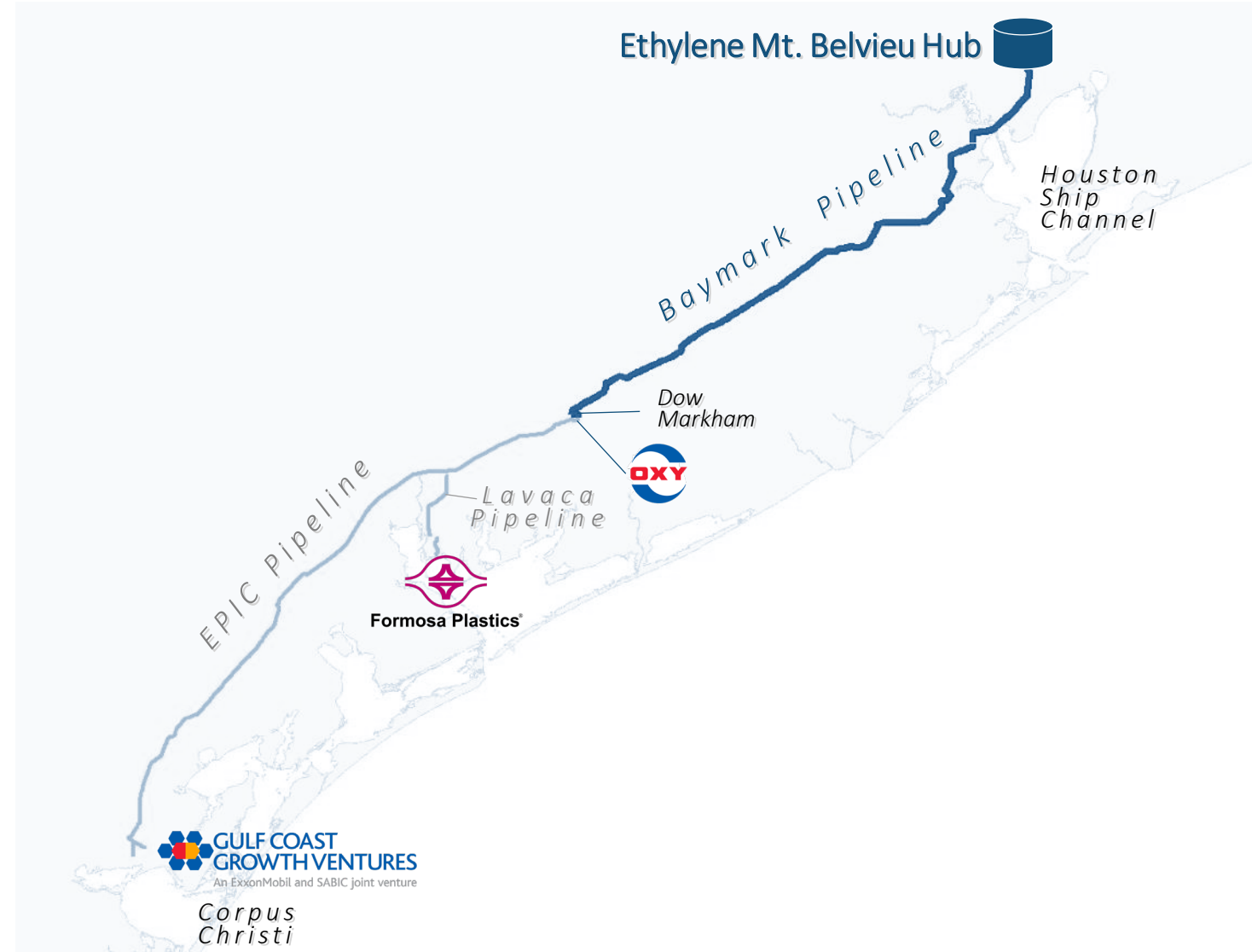
- 31 miles of 8" ANSI900 pipeline purchased in 2022
- Construction in progress to connect to Ethylene Ship Channel System
- Existing connections to:
 - Oxy Vinyls La Porte
 - INEOS Battleground
 - Celanese Clear Lake
 - Styrolution Bayport
- Additional connections under construction:
 - Next Wave Energy Partners
 - Oxy Deer Park
 - Kuraray Bayport



South Texas Area

BAYMARK PIPELINE

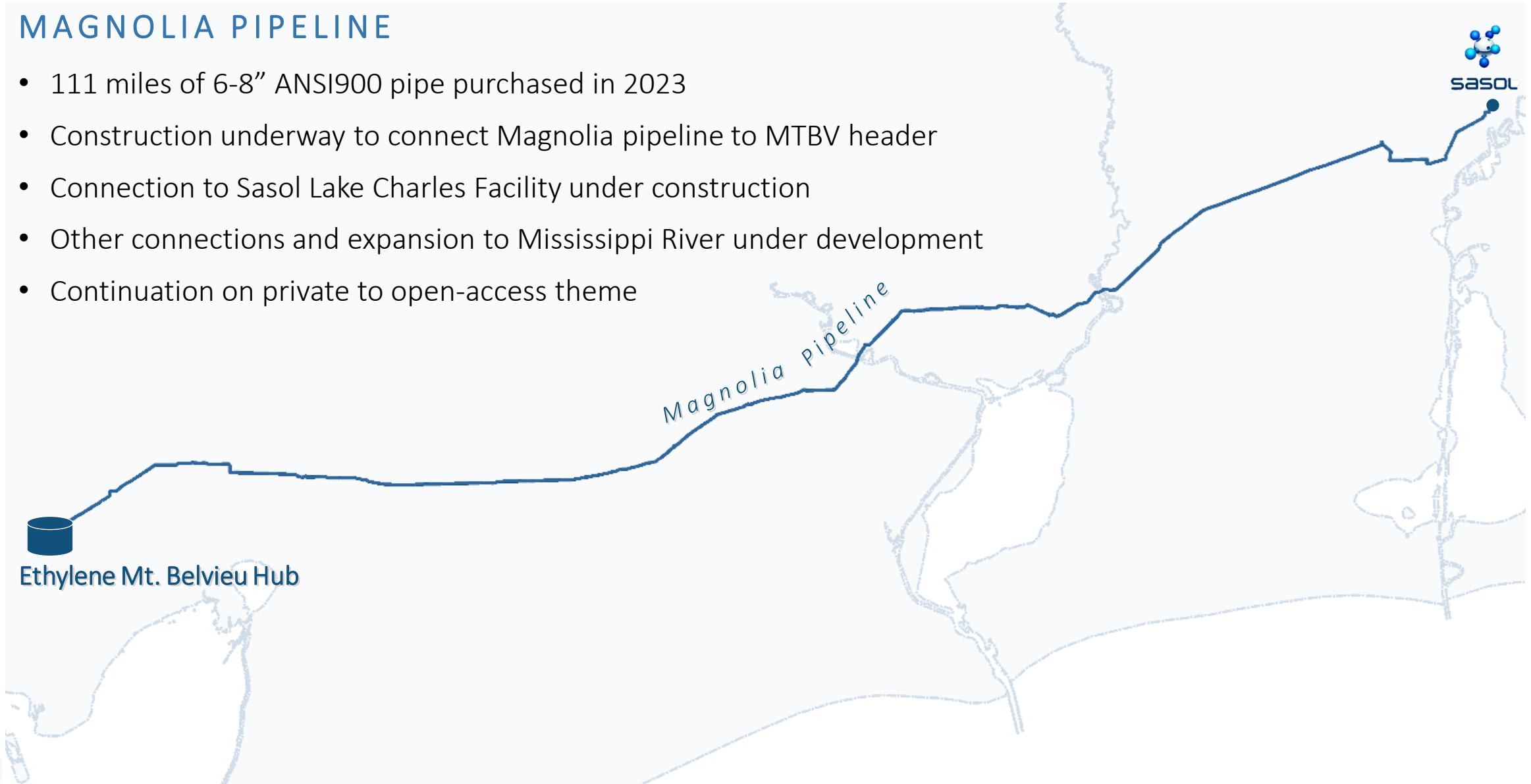
- JV with Formosa Plastics and Enterprise Products
- 92 miles of 12" ANSI900 pipe (2021)
- Existing connections to:
 - Dow Markham
 - Oxy Markham
 - Formosa Point Comfort
- Future connection to EPIC pipeline
- 2 additional connections under development



Louisiana Area

MAGNOLIA PIPELINE

- 111 miles of 6-8" ANSI900 pipe purchased in 2023
- Construction underway to connect Magnolia pipeline to MTBV header
- Connection to Sasol Lake Charles Facility under construction
- Other connections and expansion to Mississippi River under development
- Continuation on private to open-access theme



Open-Access Ethylene Storage

ENTERPRISE MT BELVIEU HUB

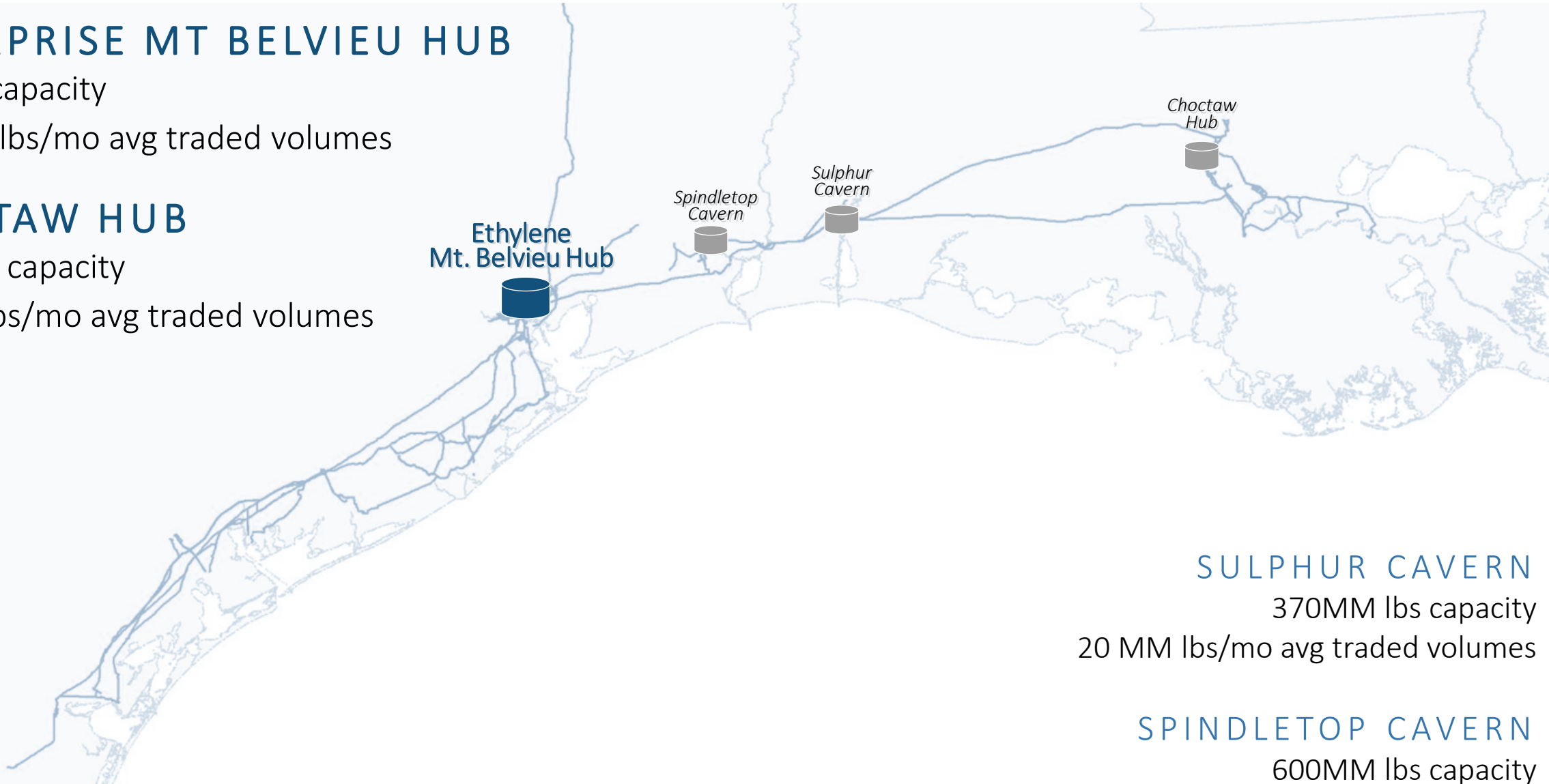
1.6B lbs capacity

230 MM lbs/mo avg traded volumes

CHOCTAW HUB

1.75B lbs capacity

80 MM lbs/mo avg traded volumes



SULPHUR CAVERN

370MM lbs capacity

20 MM lbs/mo avg traded volumes

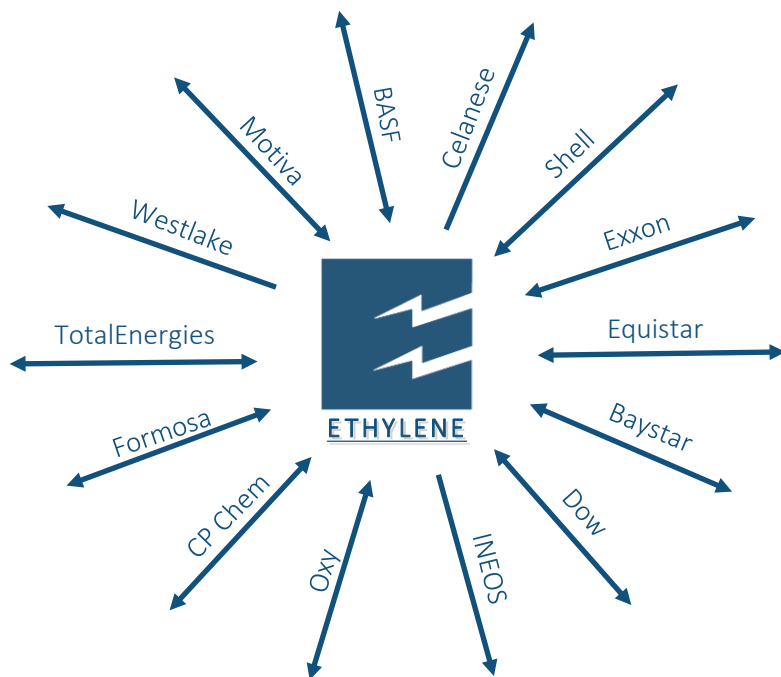
SPINDLETOP CAVERN

600MM lbs capacity

Ethylene Storage

ENTERPRISE MONT BELVIEU HUB

- 4 ethylene storage caverns, 1.6B lbs capacity
- Pump capacity expansion Q4 2023
- 13 connections in-service today with 22 total by 2025
- 33 hub participants
- CME/ICE futures pricing location



BASF CORPORATION



KOCH SUPPLY & TRADING, LP



TRAFIGURA TRADING, LLC



BP PRODUCTS NORTH AMERICA, INC



MARUBENI AMERICA CORPORATION



TOTALENERGIES PETROCHEMICAL & REFINING



CHEVRON PHILLIPS CHEMICALS COMPANY LP



MERCURIA ENERGY AMERICA, LLC



TRICON ENERGY



CHEVRON PRODUCTS COMPANY



MITSUBISHI INTERNATIONAL CORPORATION



VINMAR OVERSEAS LTD

DOW CHEMICAL COMPANY



NOVA CHEMICALS OLEFINS, LLC



WESTLAKE CHEMICAL



ENTERPRISE PRODUCTS OPERATING, LLC



OCCIDENTAL CHEMICAL CORP.

J. ARON & COMPANY



EQUISTAR CHEMICALS, LP



PETROCHINA INTERNATIONAL INC

UNDISCLOSED INTEGRATED PRODUCER



EXXONMOBIL CHEMICAL COMPANY



SASOL CHEMICALS USA

UNDISCLOSED INTEGRATED PRODUCER



FORMOSA PLASTICS CORPORATION, USA



SHELL CHEMICAL, LP

UNDISCLOSED INTEGRATED PRODUCER



INDORAMA VENTURES OXIDES LLC



SUMITOMO CORP OF AMERICA

UNDISCLOSED PRODUCER



INEOS USA LLC



TAUBER PETROCHEMICAL CO.

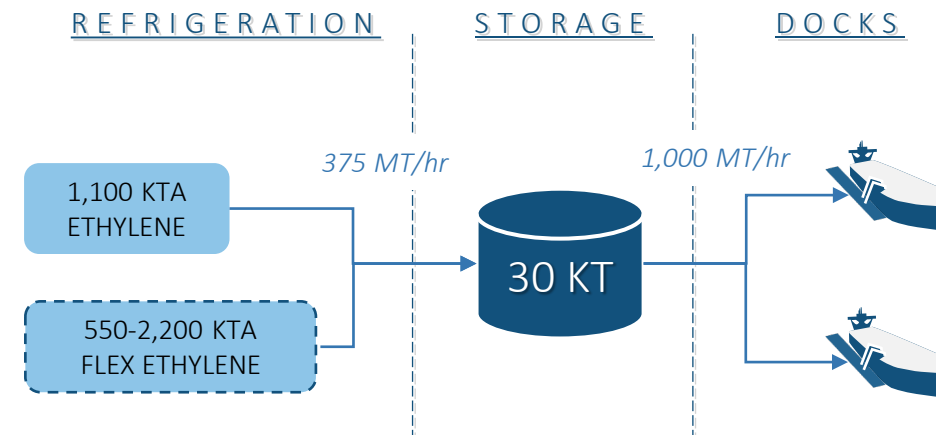
Ethylene Exports

Delivering Cost Advantaged Olefins To The World

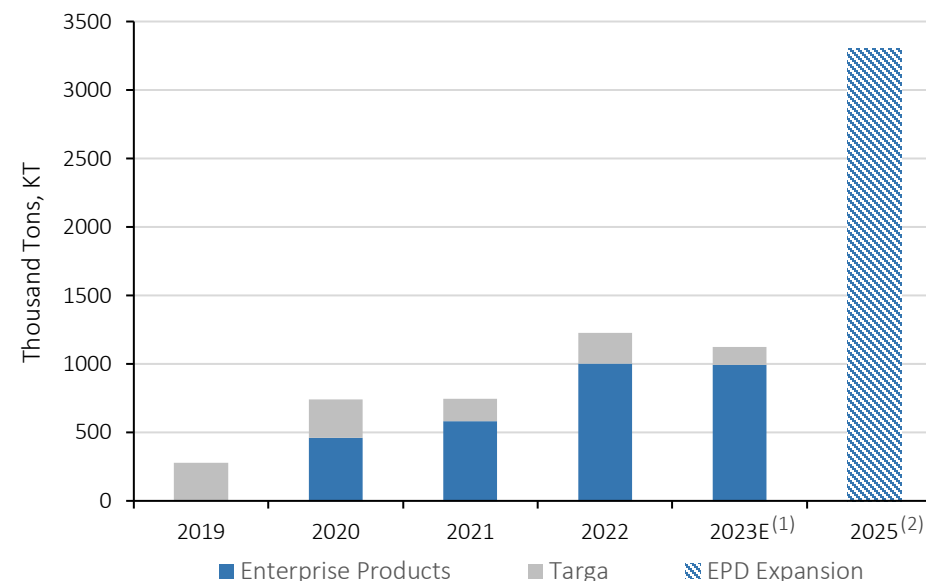
- Current Export Capacity of 1,000 KTA will increase to 3,300 KTA max with Expansion
- 1,000 MT/hr Load Rate from On-site Refrigerated Tank
- VLEC and Co-loading Capability



Increasing Product Flexibility and Export Capacity



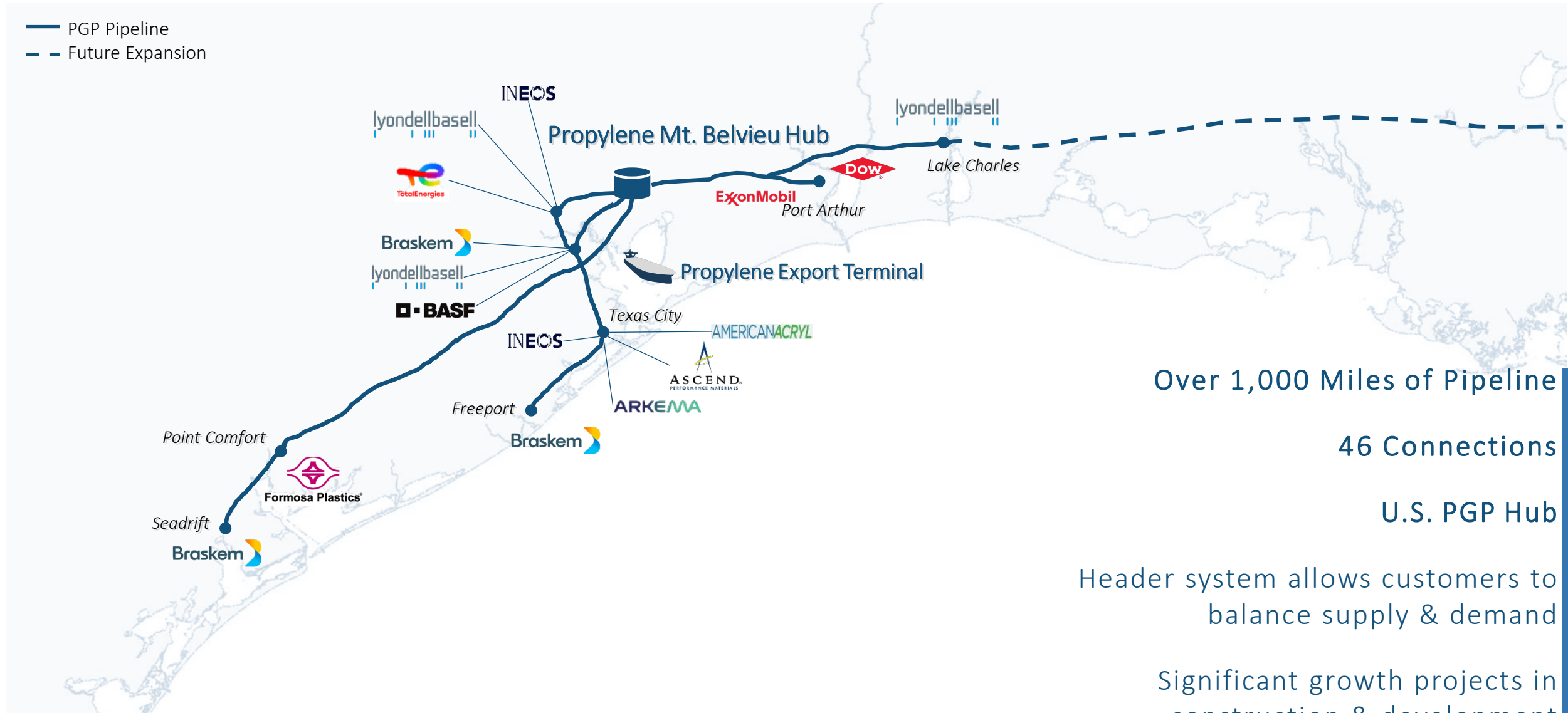
Total US Ethylene Export Volumes



(1) 2023 is an annualized forecast using January to July 2023 actuals

(2) Maximum capacity with expansion project

Open-Access PGP System



Over 1,000 Miles of Pipeline

46 Connections

U.S. PGP Hub

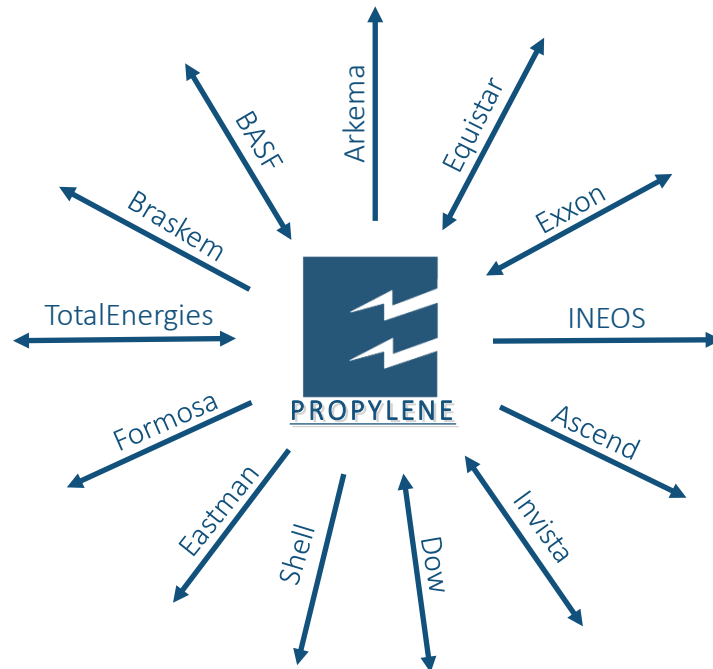
Header system allows customers to
balance supply & demand

Significant growth projects in
construction & development

PGP Storage

ENTERPRISE MONT BELVIEU HUB

- 2 PGP Storage Caverns with flexibility to use additional caverns, as needed
 - 1B lbs total capacity
- 26 PGP Storage Participants
- CME/ICE futures pricing location



PGP Exports

Delivering US PGP to the World

World's largest PGP Export Terminal at Houston Ship Channel with current capacity of 3.5B lbs/yr

LPG EXPANSION PROJECT (2025)

- Increased Loading Rates
- Fully-Refrigerated PGP
- PGP and LPG co-loading on a VLGC
- Provide Product Flexibility at EHT



Current PGP Export

- 3,000 BPH of Semi Refrigerated PGP

PGP Export Expansion (2025)

- 5,000 BPH of Fully Refrigerated PGP
- 5,000 BPH of Semi Refrigerated PGP
- 5,000 BPH of Fully Refrigerated PGP + 20,000 BPH of Fully Refrigerated LPG

Propylene Processing Services

Providing World Scale Toll-Based Processing

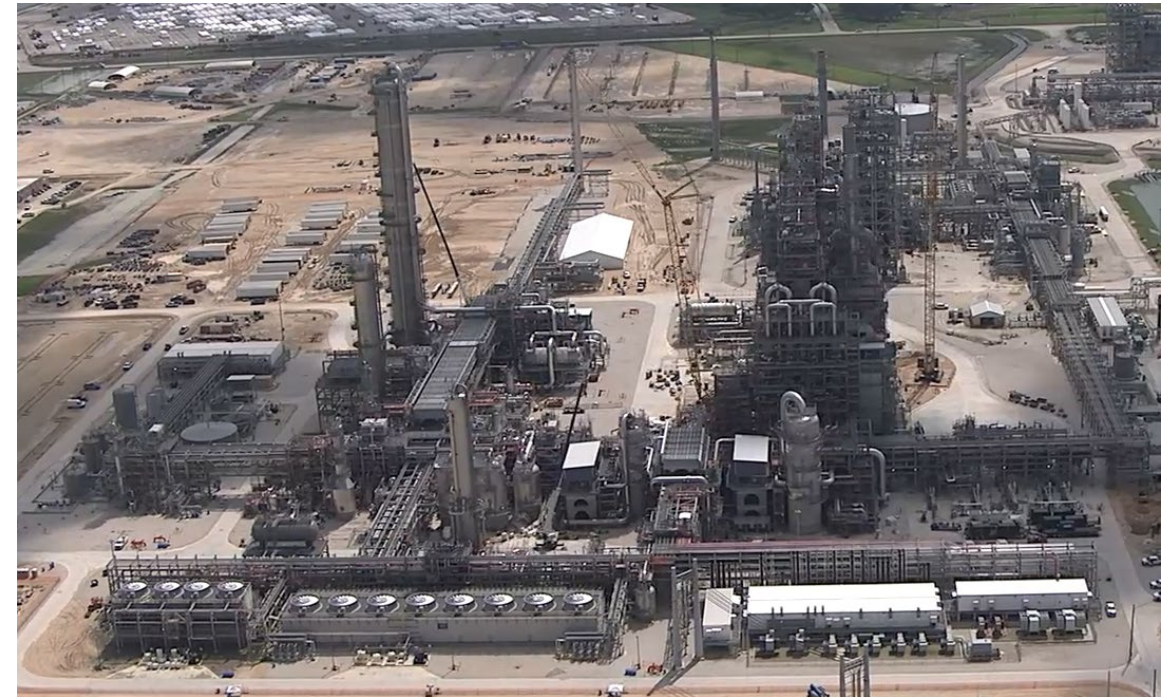
- Enables customers to realize scale benefits and financial discipline
- Allows customers to focus and optimize downstream petrochemical assets

Propylene Splitters

- Upgrading Refinery Grade Propylene (RGP)
- 7 Splitters
- 7.7 B lbs/yr splitting capacity

Propane Dehydrogenation (PDH)

- Upgrading Propane to PGP
- 2 units (PDH1 and PDH2)
- 3.3 B lbs/yr production capacity

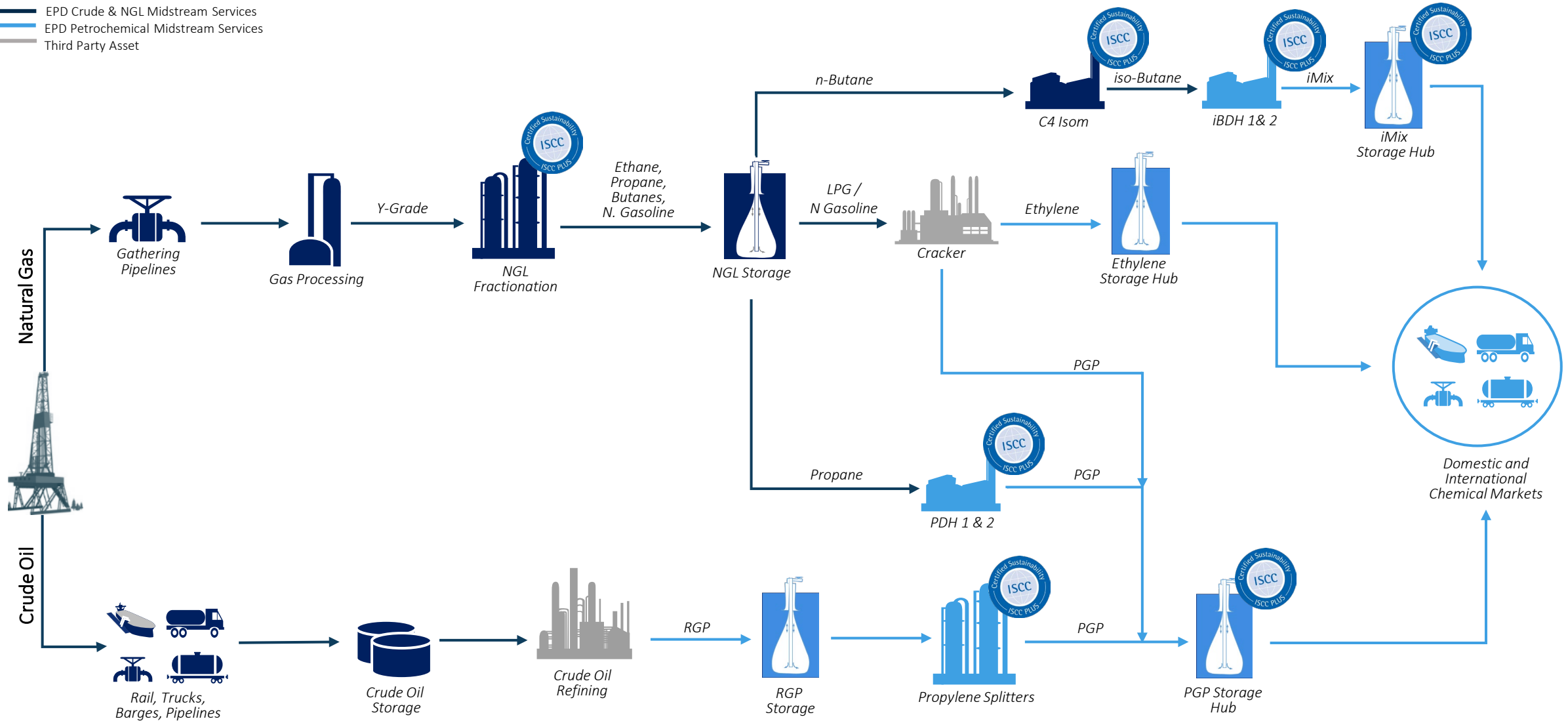


Enterprise's Role in Renewable and Circular Products

Providing Certified Sustainable Olefins



- EPD Crude & NGL Midstream Services
- EPD Petrochemical Midstream Services
- Third Party Asset



The Evolution of Petrochemical Midstream Services

Midstream investment in petrochemicals is growing

Open-access midstream services accelerate the commoditization of olefins markets and allow them to resemble utility markets

Open-access infrastructure and midstream participation will continue to grow and evolve as industry expands



Enterprise Products
Partners L.P.



Forward-Looking Statements

This presentation contains forward-looking statements based on the beliefs of the company, as well as assumptions made by, and information currently available to our management team (including information published by third parties). When used in this presentation, words such as “anticipate,” “project,” “expect,” “plan,” “seek,” “goal,” “estimate,” “forecast,” “intend,” “could,” “should,” “would,” “will,” “believe,” “may,” “scheduled,” “pending,” “potential” and similar expressions and statements regarding our plans and objectives for future operations, are intended to identify forward-looking statements.

Although management believes that the expectations reflected in such forward-looking statements are reasonable, it can give no assurance that such expectations will prove to be correct. You should not put undue reliance on any forward-looking statements, which speak only as of their dates. Forward-looking statements are subject to risks and uncertainties that may cause actual results to differ materially from those expected, including insufficient cash from operations, adverse market conditions, governmental regulations, the possibility that tax or other costs or difficulties related thereto will be greater than expected, the impact of competition and other risk factors discussed in our latest filings with the Securities and Exchange Commission.

All forward-looking statements attributable to Enterprise or any person acting on our behalf are expressly qualified in their entirety by the cautionary statements contained herein, in such filings and in our future periodic reports filed with the Securities and Exchange Commission. Except as required by law, we do not intend to update or revise our forward-looking statements, whether as a result of new information, future events or otherwise.