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Antero Resources Corporation is denoted as "AR" in the presentation and Antero Midstream Corporation is denoted as "AM", which are their respective New York Stock Exchange ticker symbols.

### **U.S. NGL Outlook**

#### U.S. LPG Exports to Realize Another Record Year in 2025

• U.S. propane exports expected to grow ~9% in 2025 compared to 2024, following 30% growth in the two year period 2022 to 2024

#### **Propane Inventories**

 U.S. propane inventories are currently in-line with the 5-year average driven by record exports and strong winter heating demand

### C3+ NGL Pricing Remains Resilient, Outperforming WTI Oil

 The WTI 2025 forward strip has declined 5% year-to-date, while the C3+ NGL forward strip has <u>increased</u> 4%

### **U.S. Propane Barrels Find New Markets Outside of China**

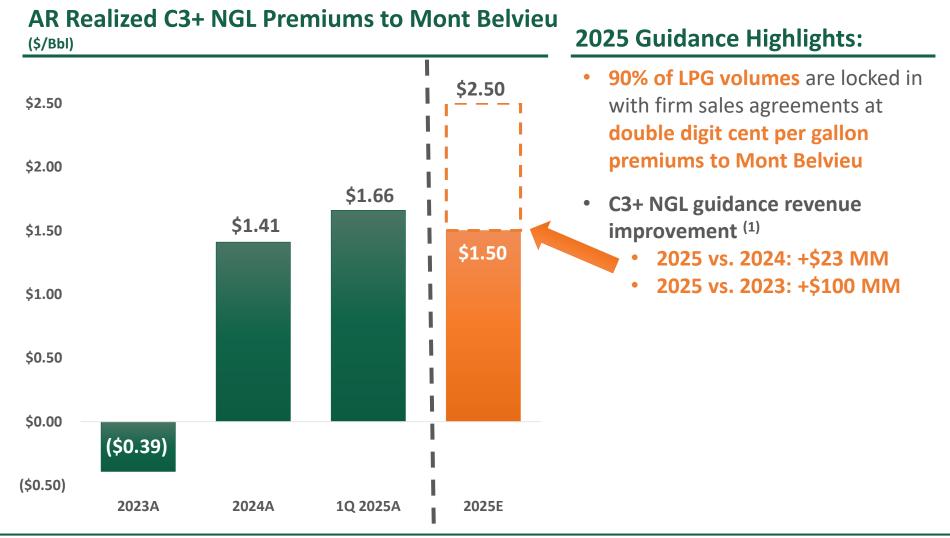
Propane exports from the U.S. will displace OPEC+ and other suppliers into rest of Asia,
 Europe, and India

### **New Ethane Export Demand**

Significant new ethane export demand will be announced from U.S. flex terminals

# **NGL Pricing Premium**

Antero has high confidence in 2025 C3+ NGL realized price guidance due to minimal spot exposure

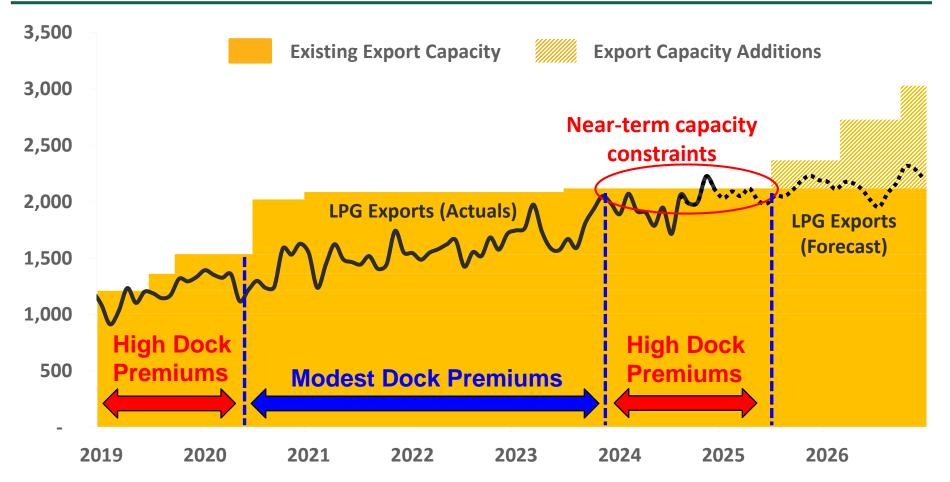


# **Antero Holds Northeast LPG Export Advantage**

AR's export capacity is not impacted by near-term U.S. Gulf Coast capacity constraints

### U.S. Gulf Coast LPG Export Capacity vs. LPG Exports

(MMBbls/d)





# U.S. Propane Stocks and Propane Days of Supply

Propane inventories below last year and in-line with 5-year average

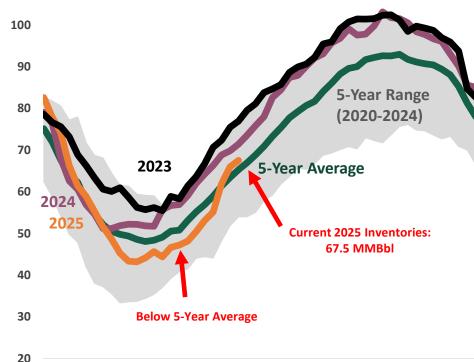
#### **U.S. Propane Stocks**

(MMBbls)

110

#### **Propane Stocks Trend Lower:**

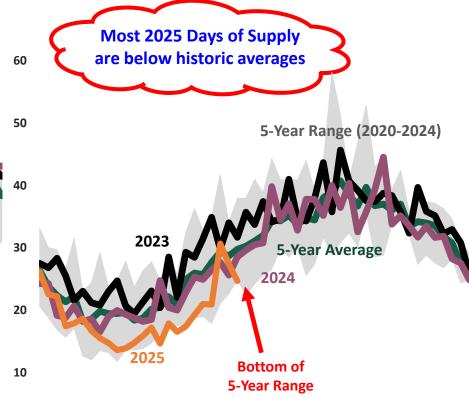
- **Exports Remain Strong**
- **Winter Domestic Heating Demand**
- Additional export capacity coming 2H 2025



Record winter total demand (domestic demand + exports) drops days of supply below 5-Year Average

### U.S. Propane Days of Supply





Days of Supply = Total Propane Stocks / (Domestic Demand + Exports)

Apr May Jun Jul Aug Oct

Jan

Feb

Jun

Jul

Aug

Sep

Oct

Nov Dec

May

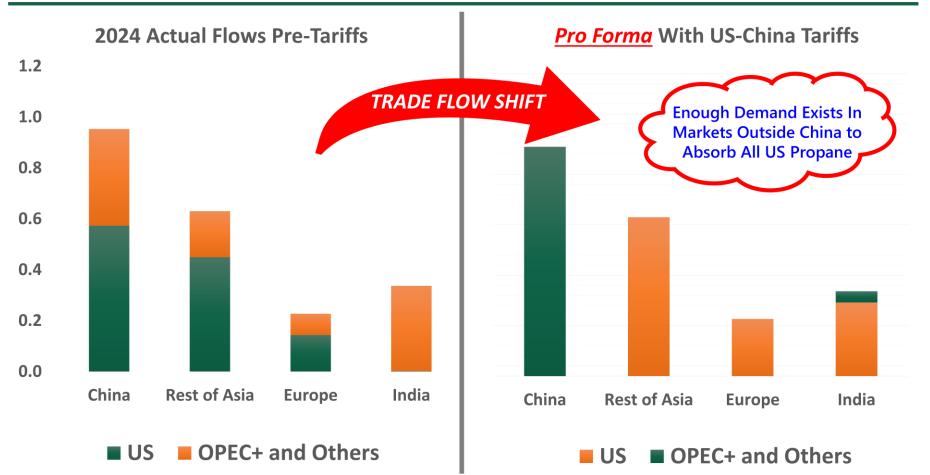
Apr

### U.S. Propane Barrels Find New Markets Outside of China

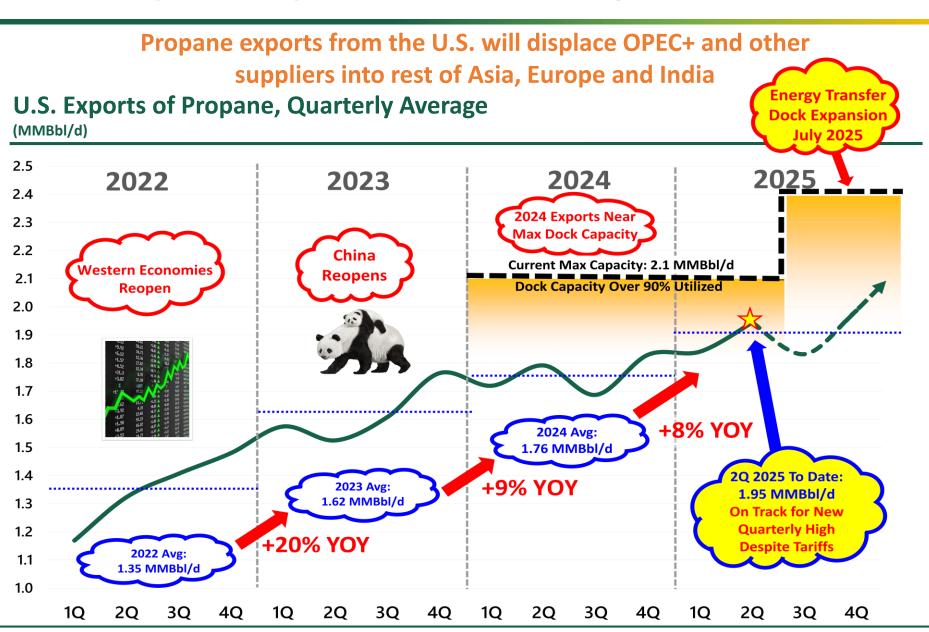
Propane exports from the U.S. will displace OPEC+ and other suppliers into the rest of Asia, Europe and India

### **Propane Imports by Area of Origin**

(MMBbls/day)



# **U.S. Propane Exports at Record Highs**

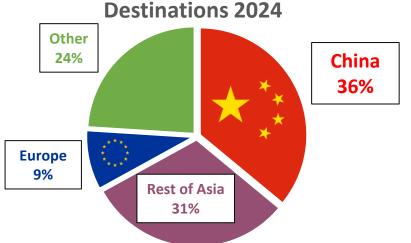




## Tariffs Should Have Limited Impact on AR NGL Exports

### **U.S. Gulf Coast Terminal Exports**

- Cargos can be cancelled for a portion of the terminal fee
- Some deals directly with Chinese buyers
- Geographically advantaged to China via the Panama Canal
- 36% of 2024 U.S. Gulf Coast Propane Cargos Were Destined for China in 2024 U.S. Gulf Coast Propane Export



### **Antero Exports at Marcus Hook**

- No cancellation rights on spot or term cargos
- Term deals with non-Chinese buyers only
- Geographically advantaged to Europe and Atlantic Basin
- Only 6% of 2024 Antero propane cargos were destined for China in 2024

Antero Propane Export

Destinations 2024

Other
13%

China
6%

Rest of Asia
9%

Europe
72%

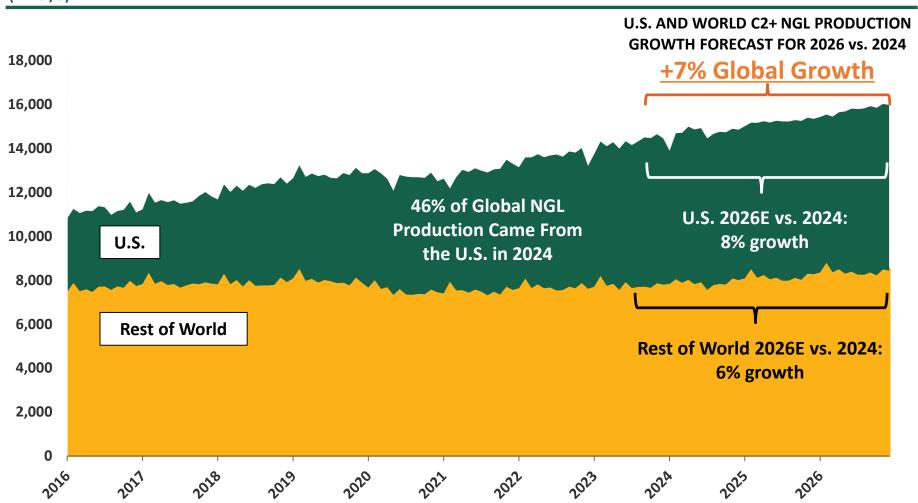


# The U.S. is the Prominent Incremental NGL Supplier

The U.S. is the incremental supplier and exporter of NGLs for growing global demand

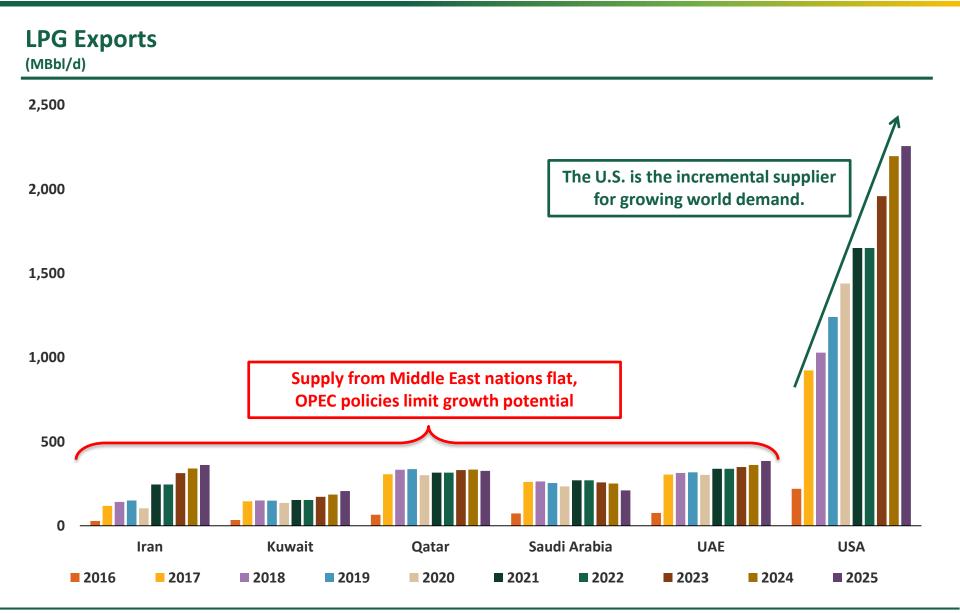
#### World C2+ NGL Production

(MBbl/d)





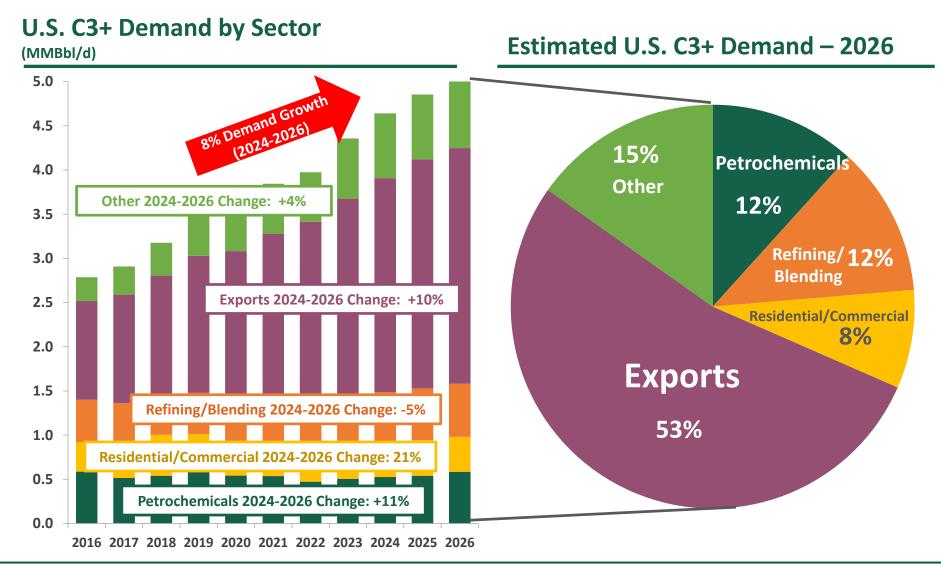
# The U.S. is the Prominent Incremental LPG Supplier





### U.S. NGL Demand

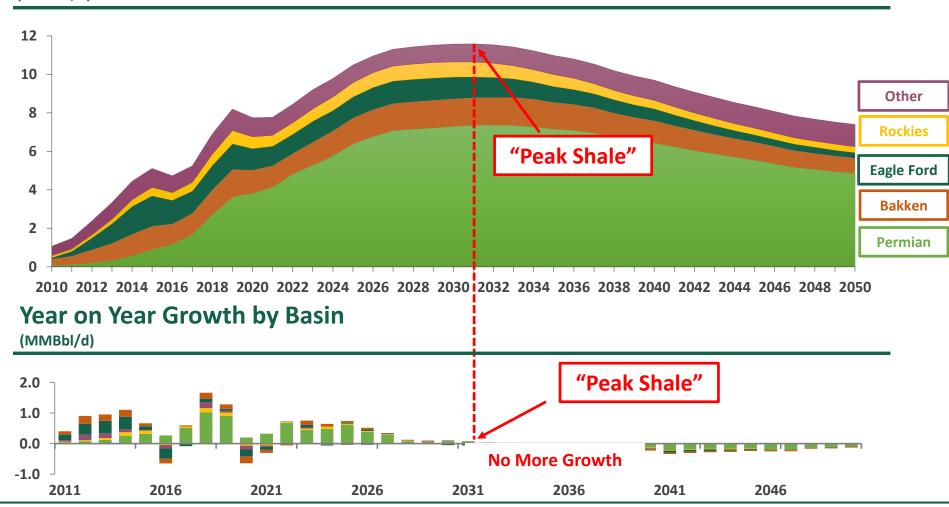
### U.S. NGL demand growth driven primarily by exports of LPG (Propane/Butane)



# U.S. NGL Supply Growth Expected to Peak by 2030

U.S. shale crude and condensate growth is expected to decline after 2030

# U.S. Shale Crude and Condensate Production Forecast to 2050 (MMBbl/d)



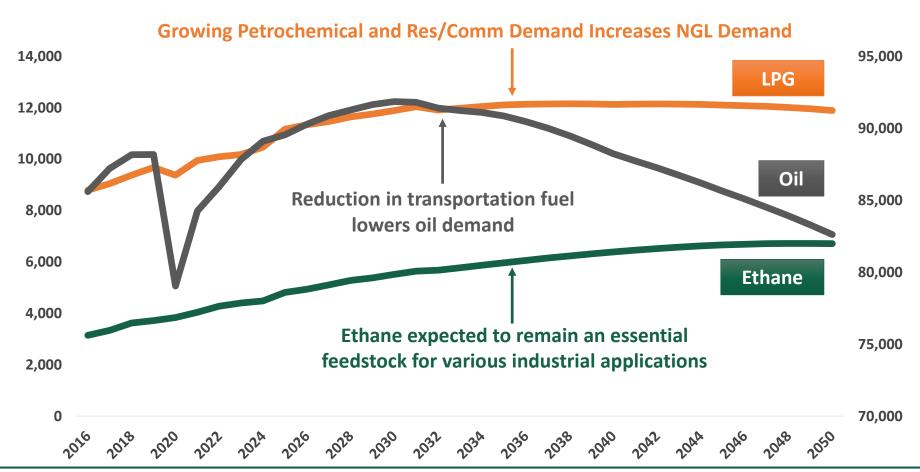


### **NGLs Remain Essential for Decades**

Demand for NGLs will continue to grow to meet the needs of the energy transition and growth in global petrochemical demand while oil demand rolls over

### **Change in Demand by Liquids Product**

(MMBbl/d)



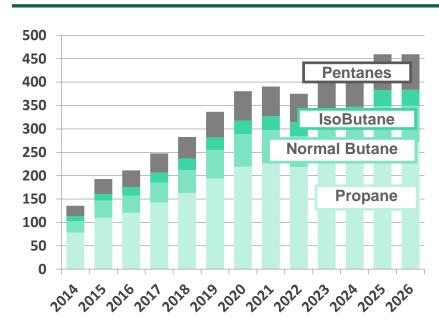


# C3+ NGLs: Northeast Market Dynamics and Supply

Antero's C3+ blended differential to Mont Belvieu has improved with Mariner East 2 export takeaway and ability to access international markets

## Northeast C3+ NGL Supply

(MBbl/d)

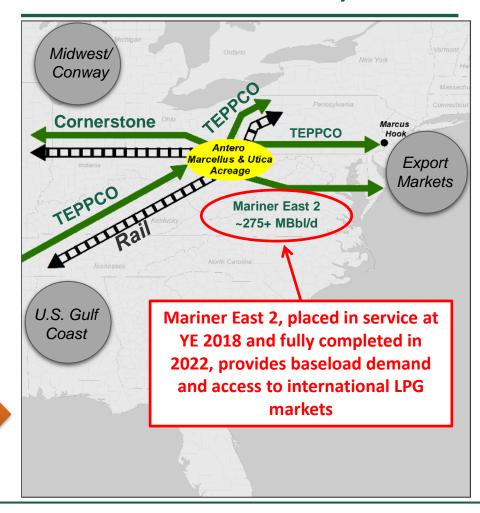


~168 MBbl/d of Northeast C3+ demand vs.

~419 MBbl/d of Northeast supply in 2024

- Resulted in 40% of production consumed locally
- Remainder moved primarily by rail and exported

### Northeast C3+ NGL Takeaway





# **Ethane: Northeast Market Dynamics & Supply**

Antero's ethane has a natural gas value pricing floor; pricing improvements from additional petrochemical and takeaway demand is all "Upside"

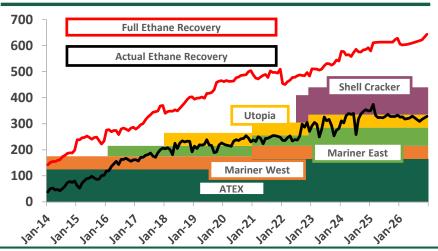
~290 MBbl/d of ethane currently rejected in Northeast (~47% of potentially recoverable ethane)

Antero is an anchor supplier to Shell's cracker which began operations in 2022

Antero ethane firm sales contracts ~2/3<sup>rd</sup> gas-linked and ~1/3<sup>rd</sup> Mont Belvieu-linked

### **Northeast Ethane Supply**

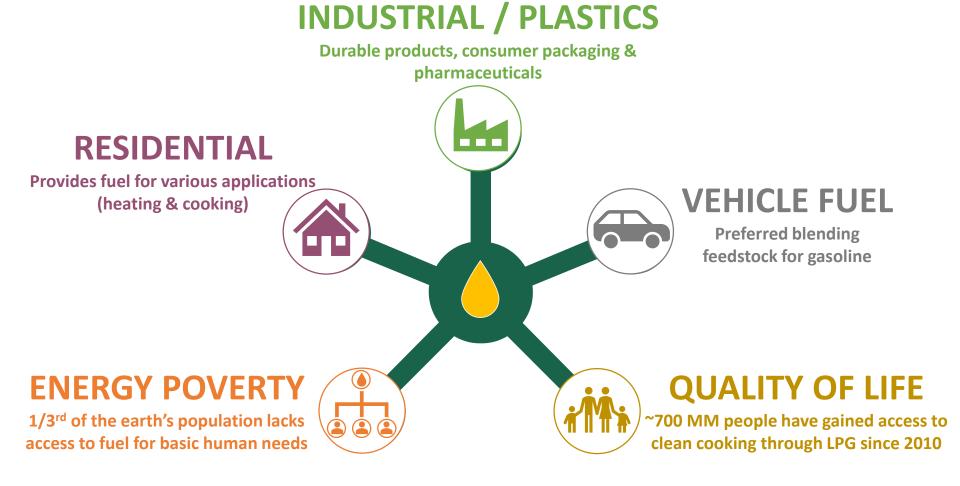
(MBbl/d)



#### **Northeast Ethane Takeaway and Capacities**



### U.S. LPG is a Transformational Fuel for the World



NGLs play an essential role in industrial, residential, commercial and transportation industries and can improve the quality of life around the globe



# **Antero Resources: Advantaged NGL Producer**

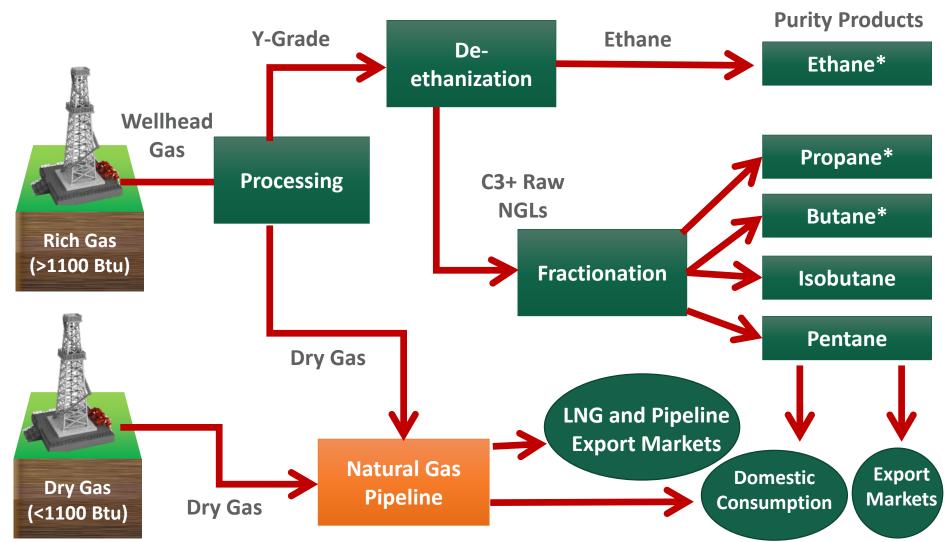
Antero sells export volumes on a spot basis based on ARA and FEI pricing

### **Antero Advantages:**

- Antero exports the majority of its propane and butane production out of Marcus Hook, Pennsylvania
- Gulf Coast export capacity constraints expected to keep international arbs wide, a benefit to Northeast exporters, like Antero
- Antero sales at Marcus Hook are driven by international index pricing (ARA or FEI)
- Antero liquids production includes approximately 40,000 Bbls/d that is closely linked to WTI prices

## **Natural Gas Liquids Primer**

Natural Gas Liquids "NGLs" are contained in the rich natural gas stream, but after processing, condense into liquid form for storage, shipping and consumption



# **Natural Gas Liquids Primer**

NGLs play an essential role in the domestic and international industrial, residential, commercial and transportation industries

**Gas Linked Pricing** 

Crude Linked Pricing

	Methane Natural Gas	Ethane C2	Propane C3	Butane C4	Iso- Butane IC4	Pentane C5
Primary Sectors	All	Chemical Industrial	Industrial Residential Commercial, Chemical	Industrial Transportation	Industrial	Transportation
Primary Uses	Power	Ethylene Production (For plastics)	Heating, Crop drying, Commercial, Propylene	Winter Gasoline Blending	Alkylate feed to produce gasoline	Gasoline blend and diluent

### **Higher Heating Value**

1000 Btu 4000 Btu

# **Appendix and Supporting Information**

#### This material is intended for benchmark pricing estimates only and does not reflect Antero actual contracted prices

#### **Key Terms and Definitions:**

- •ARA "Amsterdam-Rotterdam-Antwerp." ARA is a port and refining area in the Belgian-Dutch region of Europe.
- •CIF "Cost, Insurance, Freight." CIF means that the seller delivers the goods on board the vessel or procures the goods already so delivered. Note that the CIF ARA LPG prices represent a delivered cargo into Europe.
- •FEI "Far East Index." The Argus Far East Index is the average of the Argus Japan CFR propane quotation and the Argus South China CFR propane quotation. Note that the FEI LPG prices represent a delivered cargo into Asia.
- •CFR "Cost and Freight." CFR means that the seller delivers the goods on board the vessel or procures the goods already so delivered.
- •Baltic LPG Index The Baltic LPG Index is a shipping cost estimate based on a voyage from Ras Tanura, Saudi Arabia to Chiba, Japan round trip, laden (full) on the outbound journey and ballast (empty) on the return trip, carrying a fully refrigerated cargo of 44,000 MT (+/- 5%) propane, butane, or a mixture. The index is published by the Baltic Exchange.

Intercontinental Exchange (ICE) provides the benchmark pricing Information used in this presentation. For more information, visit https://www.theice.com/energy/natural-gas-liquids

	ICE Definition		
ANTERO LABEL	HUB	PRODUCT	
ARA C3	CIF ARA	Propane Argus Futures	
ARA C4	CIF ARA	<b>Butane Argus Futures</b>	
FEI C3	Far East	Propane Argus Futures	
FEI C4	Far East	<b>Butane Argus Futures</b>	
MB C3	MT.B-ENT	<b>Propane OPIS Futures</b>	
MB C4	MT.B-ENT	Normal Butane OPIS Futures	

#### **Relevant Conversions:**

- •Propane = 521 gallons per metric ton
- •Butane = 453 gallons per metric ton

Antero Internal Shipping Estimates are derived by Antero using several sources, including Baltic LPG Index Futures and broker estimates.

- •Rates are adjusted based on travel time from Marcus Hook, PA to Northwest Europe (Amsterdam-Rotterdam-Antwerp Region) and Marcus Hook, PA to Asia (Chiba, Japan).
- •Antero's actual shipping rates may differ from these estimates.

