

# **2024-2025 WINTER OUTLOOK**

## **MARKETS MATTER**



## **Understanding the Symbols**



Upward market pressure



Flat market pressure



Downward market pressure



### 2024-2025 Winter Outlook: Outline

#### **LOOKING AHEAD TO WINTER 2024-2025**



## **Market Pressure Points**



Production/Supply



Weather



**Economy** 



**Demand** 



Storage





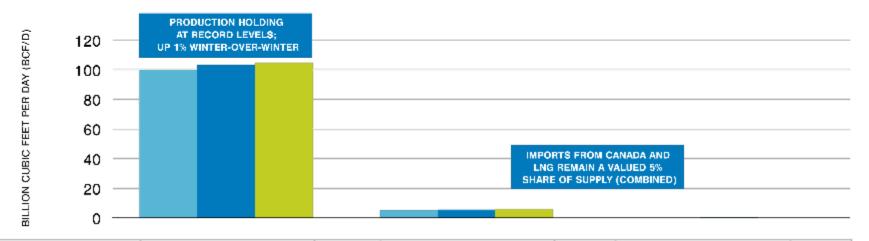
**SUMMARY** 



### **Supply: Winter Production to Surpass Previous Records But Growth Rate Slows**

#### WINTER 2024-2025 SUPPLY FORECAST: 111.6 BCF/D

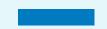




	DRY PRODUCTION	NET CANADIAN IMPORTS	LNG IMPORTS	
3YR AVG	99.9	5.5	0.1	
2023-2024 ACTUAL	103.2	5.6	0.3	
2024-2025 PROJECTED	104.5	5.7	0.1	

Source: Energy Ventures Analysis

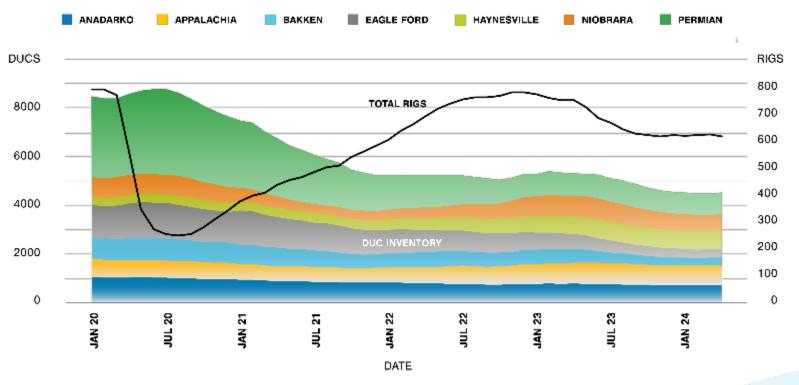
## Winter-to-winter pressure on natural gas prices





## **Natural Gas Production: Rigs and DUCs Indicate Slower Growth**

## RIGS AND DRILLED UNCOMPLETED WELLS (DUCS) DROPPING, BUT NATURAL GAS OUTPUT STRONG DUE TO PRODUCTION EFFICIENCIES

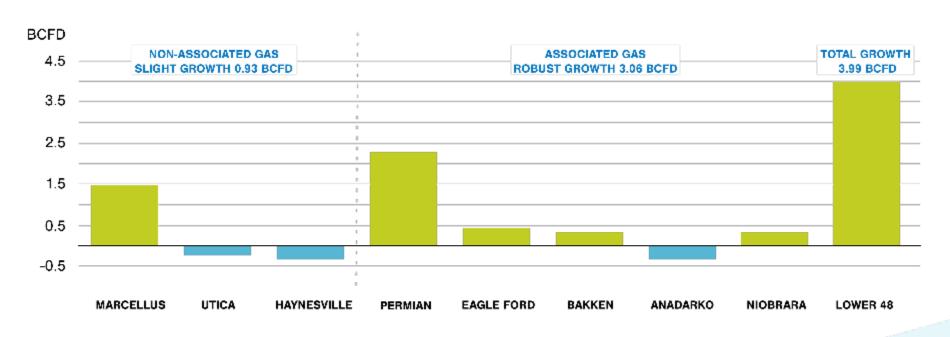


Source: Energy Ventures Analysis, BekerHughes



## Slight Growth in Non-Associated Gas **Adding to Continued Growth of Associated Gas**

## PRODUCTION GROWTH BY BASIN: COMPARISON OF TWO RECENT WINTERS (2022-2023 WINTER VS. 2023-2024 WINTER)



Source: Energy Ventures Analysis, EIA



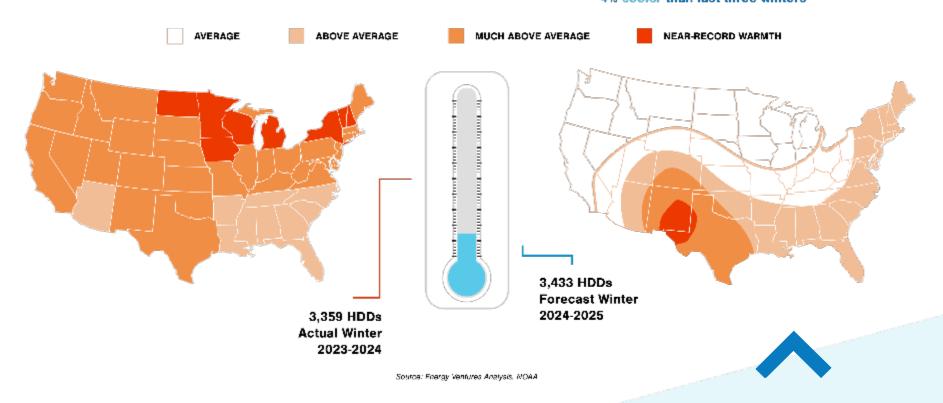
## **Demand: Winter Heating Season (November-March) Weather**

#### LAST WINTER | 2023-2024 ACTUAL

#### THIS WINTER | 2024-2025 FORECAST

**ACTUAL: 3,219 HEATING DEGREE DAYS** 

3,433 HEATING DEGREE DAYS 7% cooler than last winter 4% cooler than last three winters





## **Demand: Economy**

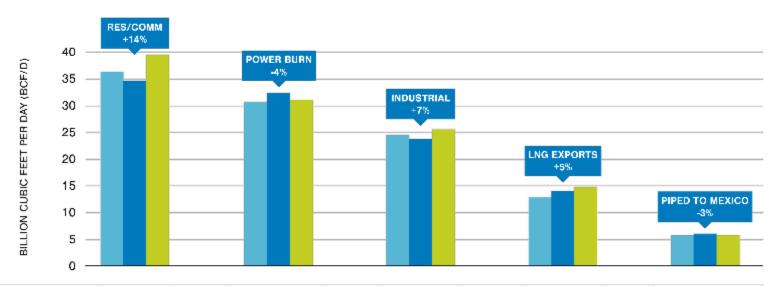
Winter Season Period-to-period change	Last Winter 2023-2024 ACTUAL	This Winter 2024-2025 FORECAST
GDP Growth	4%	4%
Manufacturing (actual July 23 v. July 24)	79%	78%
Unemployment rate (actual Aug 23 v Aug 24)	3.8%	4.2%
CPI (annual)	3.4%	2.6%
Consumer Confidence (actual Aug 23 v Aug 24)	69%	67%
Winter-to-winter pressure on natural gas prices		



## **Demand: Demand Projected 5% Higher Than Last Winter**

#### WINTER 2024-2025 FORECAST: 125.6 BCF/D

PREVIOUS 3-YEARS AVERAGE: 117.8 BCF/D LAST WINTER'S AVERAGE: 118.9 BCF/D



	RES/COMM	POWER SECTOR	INDUSTRIAL	LNG IMPORTS	PIPED TO MEXICO
3YR AVG	36.4	30.6	24.4	12.7	5.6
WINTER 2023-2024 ACTUAL	34.6	32.3	23.7	13.9	5.9
WINTER 2024-2025 FORECAST	39.5	31.1	25.5	14.6	5.7

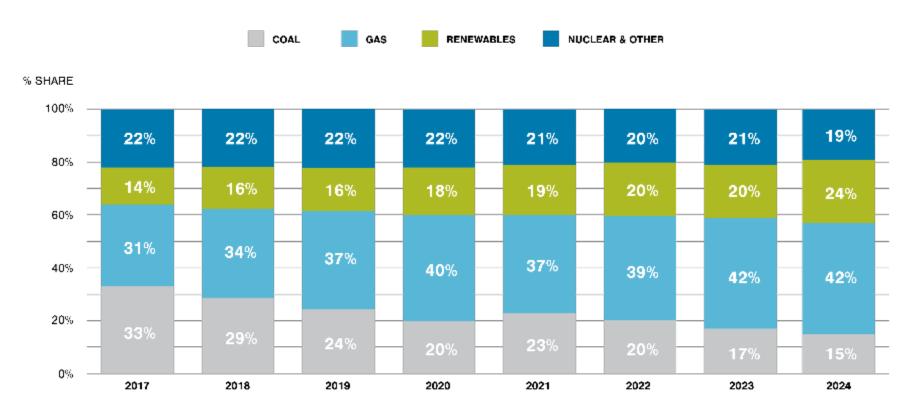
Source: Energy Ventures Analysis

## Winter-to-winter pressure on natural gas prices





#### The Growth of Natural Gas in the Fuel Mix 2017-2024

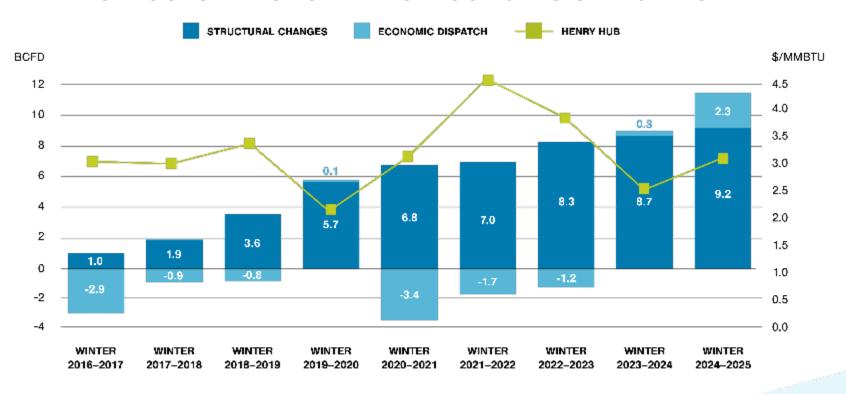






## Power Burn Growth: Structural Growth vs. Economic Switching

## POWER BURN GROWTH: STRUCTURAL GROWTH VS. ECONOMIC SWITCHING



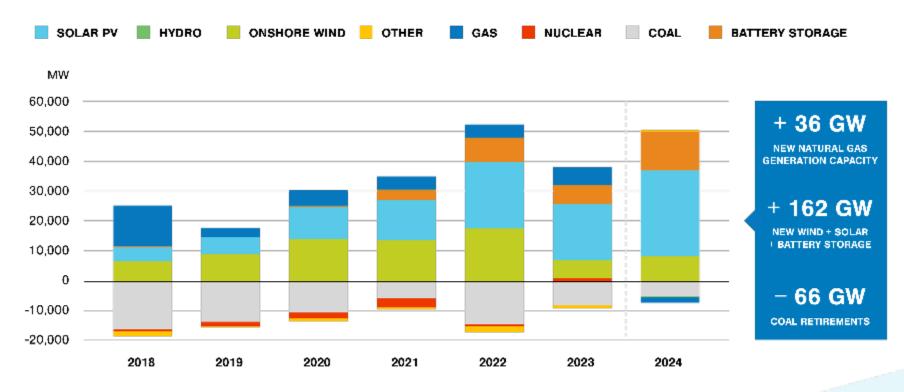
Source: Energy Ventures Analysis



## U.S. Power Generation Fuel Mix: Five Year Snapshot 2018-2024

#### U.S. POWER GENERATION FUEL MIX

**NET CHANGE IN THE U.S. GENERATING CAPACITY** 



Source: Energy Ventures Analysis, EIA



#### **Focus: Industrial Demand Peak Growth Phase**

## **NATURAL GAS SPURRING 76 MAJOR INDUSTRIAL PROJECTS 2017–2028**

\$135 Billion **Investment to Build**  Increase of 2.75 BCFD by 2028



**NEW PROJECTS** 

- 7 Petrochemical
- 5 Fertilizer
- 1 Steel
- 1 Gas-to-Liquids



**EXPANSIONS** 

- 4 Fertilizer
- 1 Petrochem

COMPLETED **PROJECTS** 

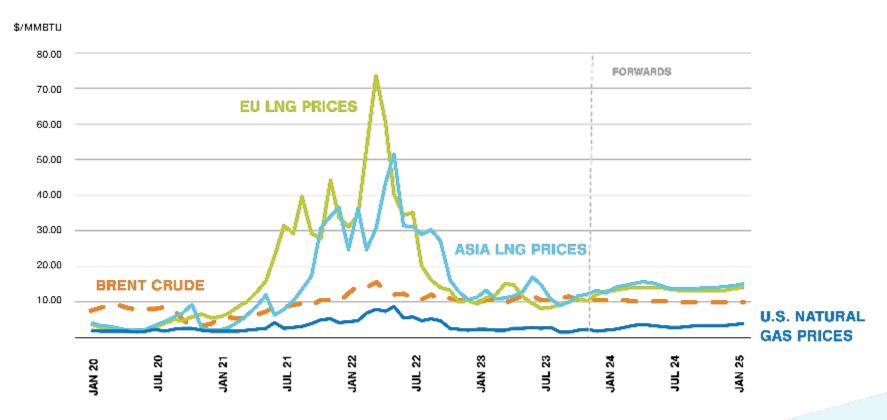
representing \$88 billion and 1.7 BCFD from 2017-2023

Source: Energy Ventures Analysis, September 2021



## U.S. Natural Gas Prices Exponentially Lower Than EU, Asia

#### **GLOBAL LNG PRICE**

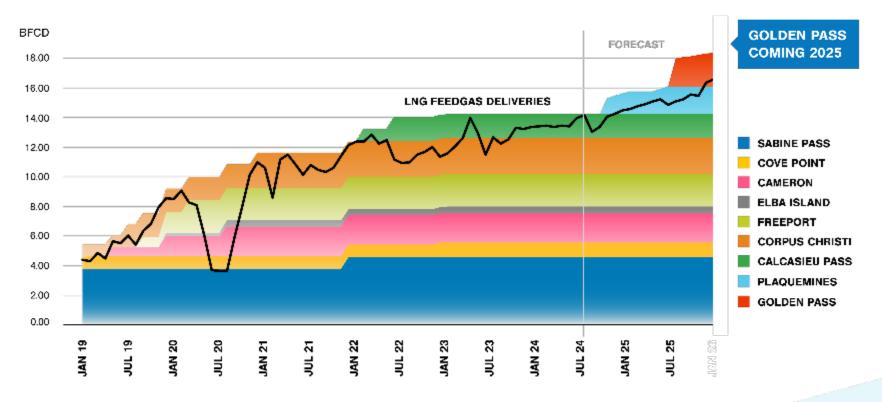


Source: ICE, Future curves are based on August 2024 settlements



## U.S. LNG Exports Meet Demand; Help Fill EU Storage for Winter

#### U.S. LNG EXPORT CAPACITY VS. FEEDGAS DELIVERIES



Source: EVI, Energy Ventures Analysis



## **Supply: Winter Storage**

Winter Season Period-to-period change	Last Winter 2023-2024 ACTUAL	This Winter 2024-2025 FORECAST
Start-of-winter inventory	3,761 Bcf	3,947 Bcf
Compared to 5-year average	5% higher	6% higher
Average daily withdrawal from storage	9.8 Bcf	14 Bcf
New storage capacity	No material change	No material change
Winter-to-winter pressure on natural gas prices		



## **This Season's Winter Outlook**

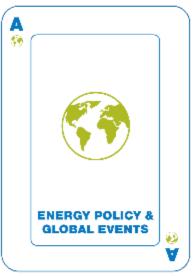
Winter Season Period-to-period change	This Winter 2024-2025 FORECAST
Winter production + imports	
Weather	
Economy	
Overall demand	
Storage	
Winter-to-winter pressure on natural gas prices	

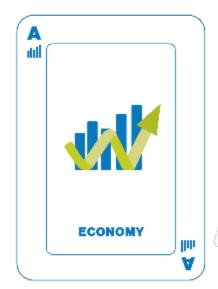


## Winter Outlook: Wild Cards

#### **WINTER OUTLOOK: WILD CARDS**



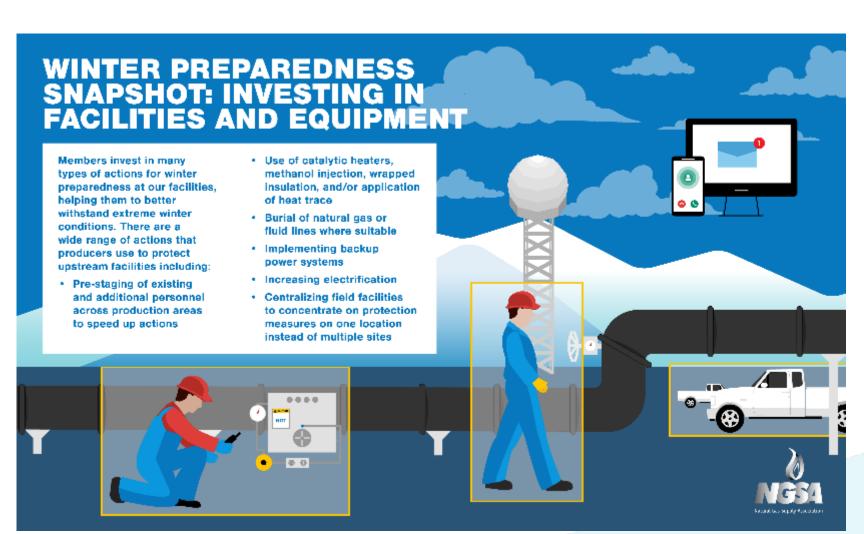








#### **Final Thoughts**





#### **About NGSA**

- Represents major producers and suppliers of domestic natural gas
  - Integrated and independent companies: 9 members
  - Founded in 1965
- Only national natural gas association representing producers and suppliers with a dedicated focus on downstream issues
- Promotes benefits of competitive natural gas markets, resulting in reliable and efficient transportation and delivery, increased supply and demand
- Includes the Center for LNG
- Tagline: "Markets Matter"



## **Contact:**

Daphne Magnuson dmagnuson@ngsa.org @natgas\_ngsa www.ngsa.org