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 **Understanding the Symbols**

 Upward market pressure

 Flat market pressure

 Downward market pressure

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2022 Summer Outlook: Outline

LOOKING AHEAD TO SUMMER 2022


Market Pressure Points



Economy



Weather



Demand



Production/Supply



Storage



Wild Card Factors


Summer Expectations

SUMMARY

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Demand: Economy

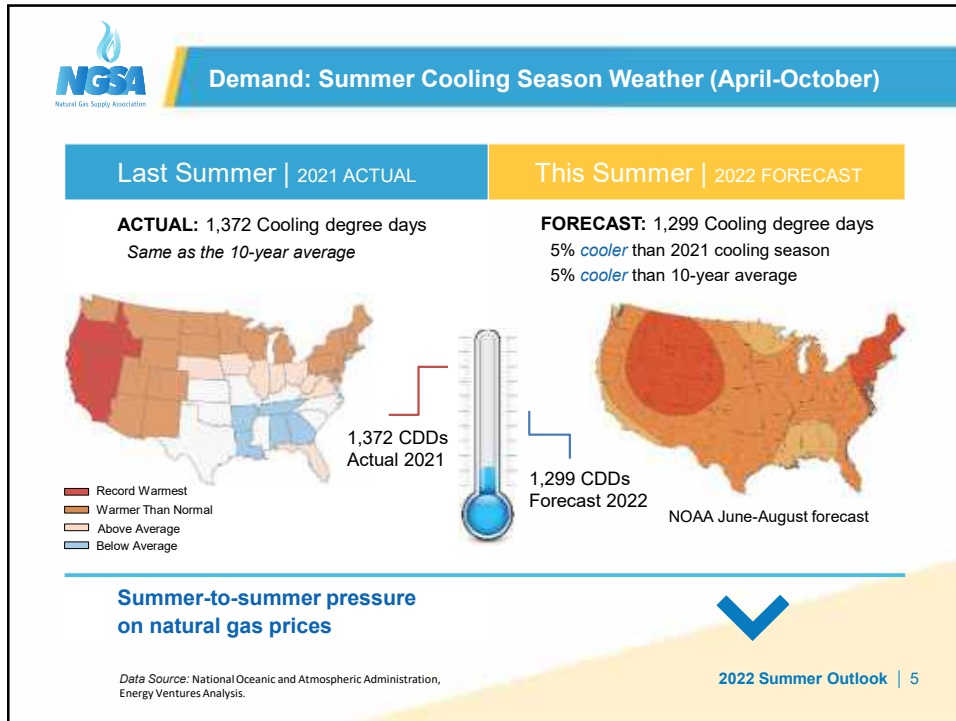
Summer Season <small>Period-to-period change</small>	Last Summer <small>2021 Actual</small>	This Summer <small>2022 Forecast</small>
Economy	Strong recovery underway	Growth slows Inflation concerns
GDP Growth	8.6%	3.4%
World GDP Growth (annual)	6.1%	3.6%
Manufacturing	72%	77%
Unemployment rate	5.8%	3.6%
CPI	5.4%	7.0%
Consumer Sentiment Index	83	65

Summer-to-summer pressure on natural gas prices

Data Sources: : Moodys, Energy Ventures Analysis, Bureau of Labor Statistics, University of Michigan, Federal Reserve

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NGSA
Natural Gas Supply Association

Demand: Customer Demand

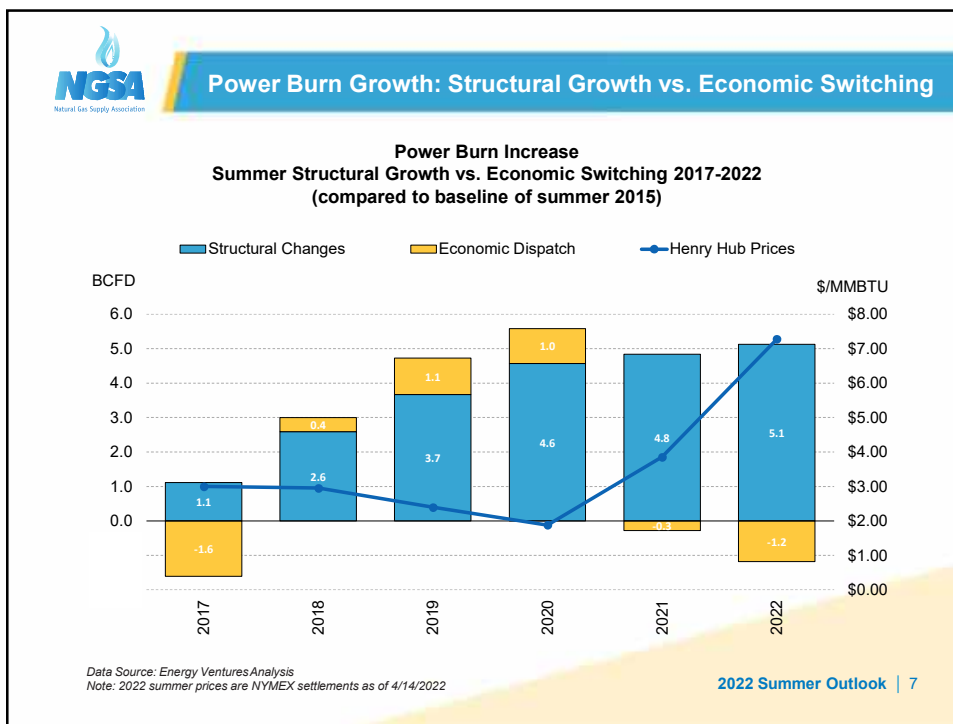
Summer Season Period-to-period change	Last Summer 2021 ACTUAL	This Summer 2022 FORECAST	PREVIOUS 3- YEAR SUMMER AVERAGE
Domestic Demand			
▪ Power burn	33.0 Bcf/d	32.4 Bcf/d	33.4 Bcf/d
▪ Industrial	21.3 Bcf/d	22.0 Bcf/d	21.3 Bcf/d
▪ Residential/Commercial	11.2 Bcf/d	11.2 Bcf/d	11.4 Bcf/d
<i>Subtotal</i>	<i>65.5 Bcf/d</i>	<i>65.6 Bcf/d</i>	<i>66.1 Bcf/d</i>
Exports			
▪ Pipeline exports - Mexico	6.2 Bcf/d	6.7 Bcf/d	5.7 Bcf/d
▪ LNG exports	10.7 Bcf/d	12.7 Bcf/d	7.3 Bcf/d
<i>Subtotal</i>	<i>16.9 Bcf/d</i>	<i>19.4 Bcf/d</i>	<i>13.0 Bcf/d</i>
Total Natural Gas Demand*	89.0 Bcf/d	91.7 Bcf/d	84.6 Bcf/d
Growth sector		Exports Industrial	

Summer-to-summer pressure on natural gas prices

**includes "Lease, Plant and Pipeline Fuel"*
Data Source: Energy Ventures Analysis.

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Natural Gas Spurring 22 Major Industrial Projects 2021-2024

- \$32 Billion Investment to Build
- Increase of 1.0 Bcf/d by 2024

18 New Projects

- 14 Petrochemical
- 2 Steel
- 2 Fertilizer

3 Expansions

- 2 Fertilizer
- 1 Steel

1 Re-start

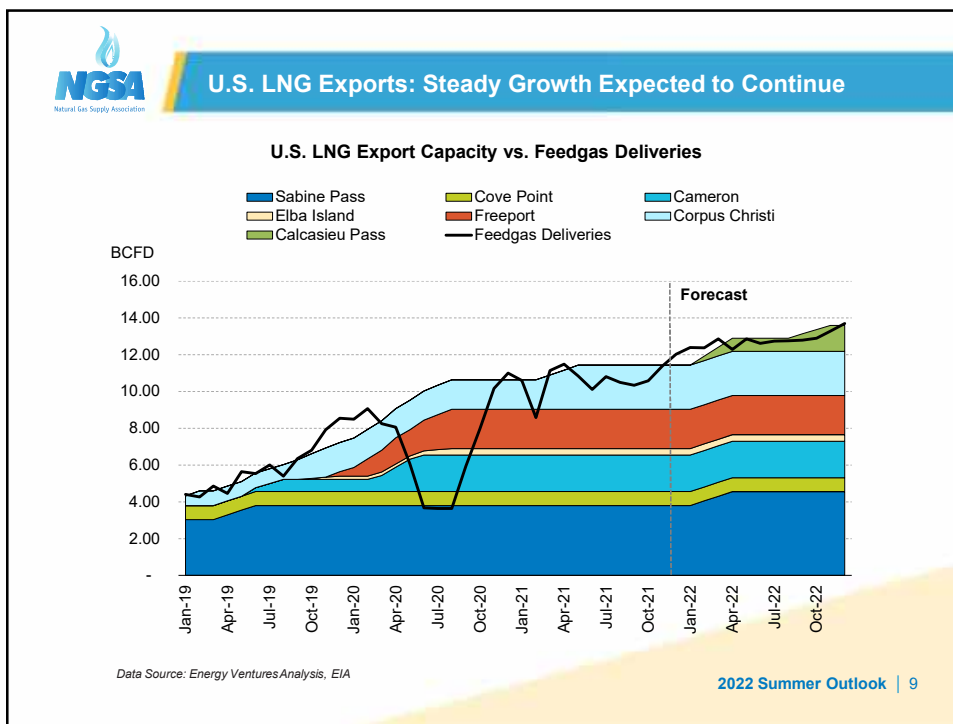
- 1 Steel

In addition to 53 COMPLETED Projects for additional \$79 billion and 1.7 Bcf/d from 2016-2020

Data Source: Energy Ventures Analysis, September 2021
 Photo Courtesy: Chevron U.S.A. Inc., 2017 (Pascagoula)

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Supply: Summer Production and Imports

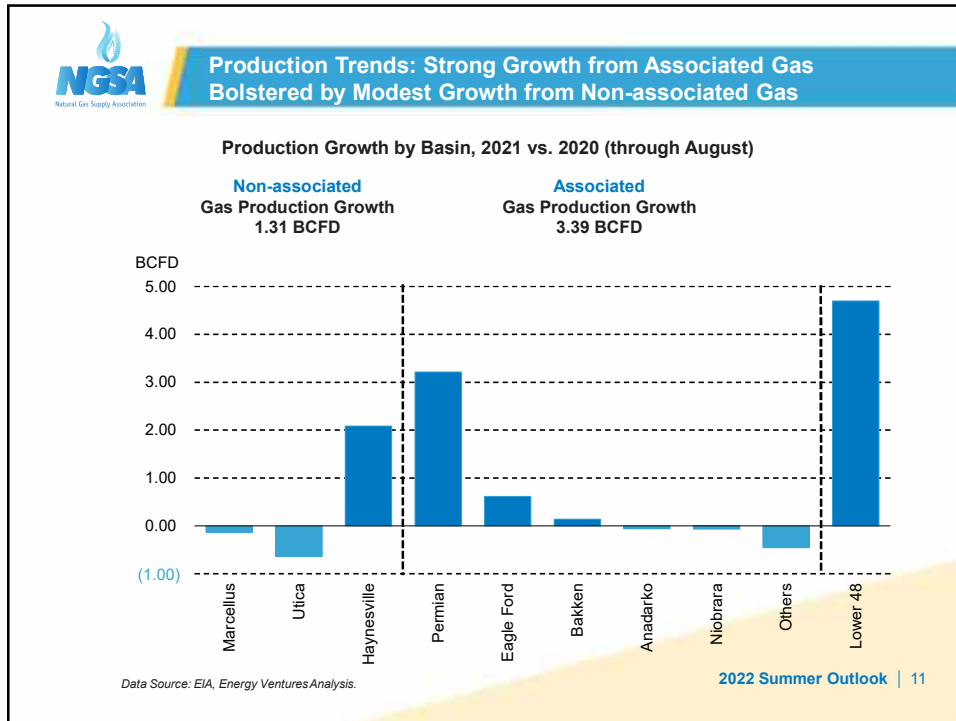
Summer Season Period-to-period change	Last Summer 2021 ACTUAL	This Summer 2022 FORECAST	3-YEAR SUMMER AVERAGE
Summer average production (Lower 48)	92.9 Bcf/d	96.6 Bcf/d	91.3 Bcf/d
Canadian imports (net)	4.8 Bcf/d	4.8 Bcf/d	4.4 Bcf/d
LNG imports	0.0 Bcf/d	0.1 Bcf/d	0.1 Bcf/d

Summer-to-summer pressure on natural gas prices

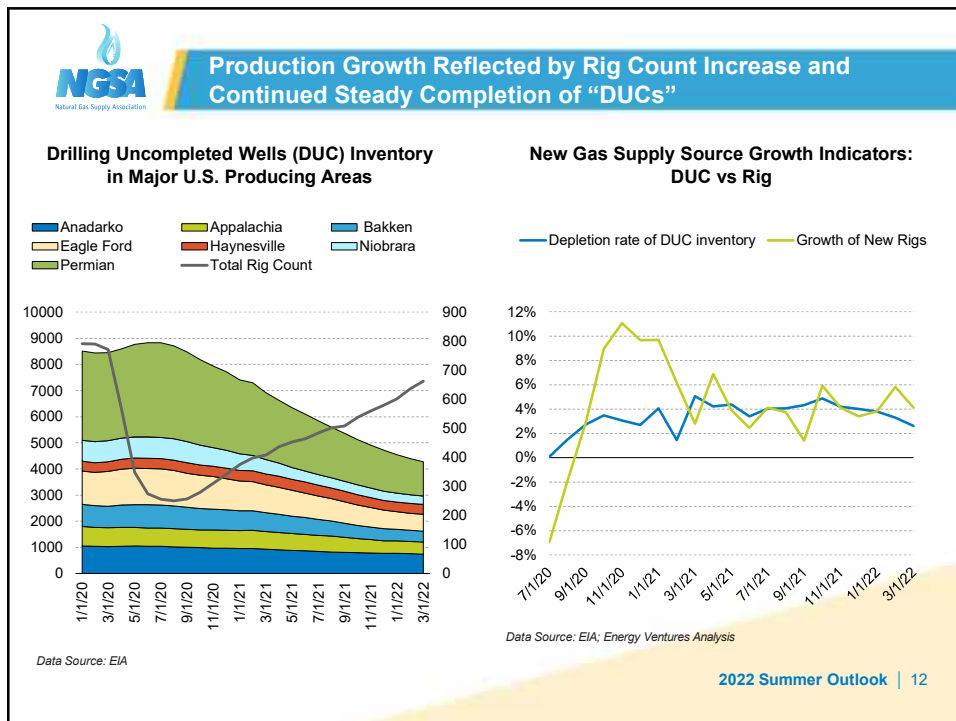
Data Source: Energy Ventures Analysis.

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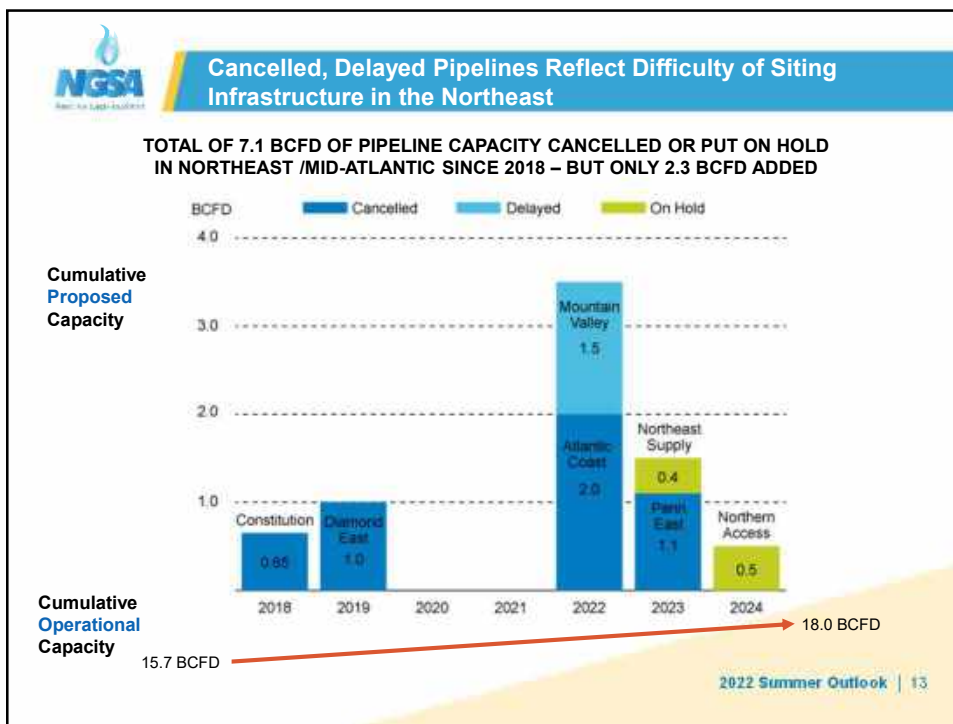
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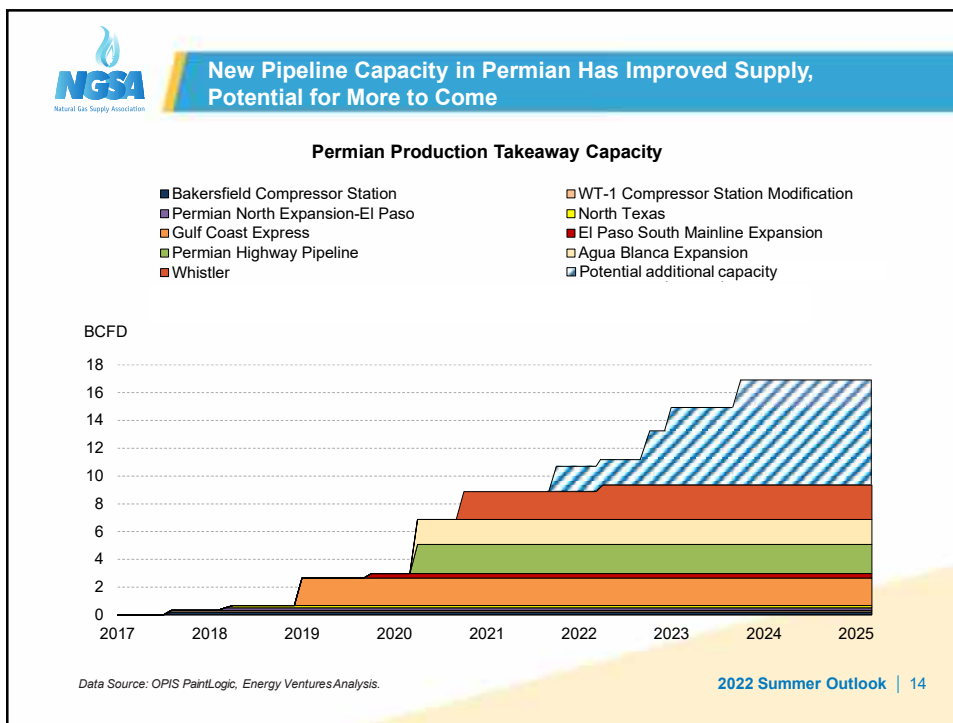
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Summer Storage

Summer Season Period-to-period change	Last Summer 2021 ACTUAL	This Summer 2022 FORECAST
Summer starting point	1,777 Bcf	1,382 Bcf
Average daily injections	8.6 Bcf/d	9.8 Bcf/d
End of injection season	3,634 Bcf	3,478 Bcf

Summer-to-summer pressure on natural gas prices ^

Data Source: Energy Information Administration and Energy Ventures Analysis. 2022 Summer Outlook | 15

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Summer Outlook: Wild Cards

Global



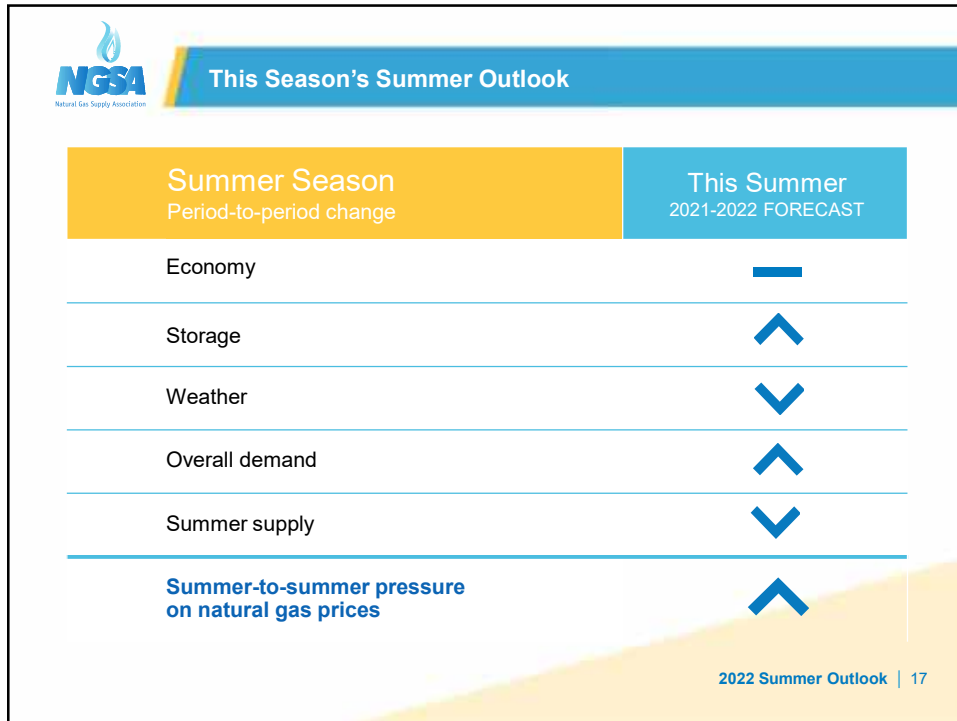


Weather

COVID

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Final Thoughts: Natural Gas Critical to Global Energy Security, Grid Reliability, Industrial Growth, Decarbonization

Production growth rising to challenge


- Production up 10% since summer 2020; up 4% since last summer
- DUCs enabling production to get to market faster as new drilling ramps up
- Regulatory uncertainties about infrastructure

Natural gas pivotal this summer

- Essential to power grid reliability and backstopping renewables
 - Coal retirements, delays in new renewable capacity, Western drought
- Critical to industrial customers to compete globally
- U.S. LNG indispensable to Europe and Asia for energy security, reliability, climate action

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About NGSA

- Represents major producers and suppliers of domestic natural gas
 - Integrated and independent companies: 7 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
- Combined with the Center for LNG

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Natural Gas Supply Association

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