



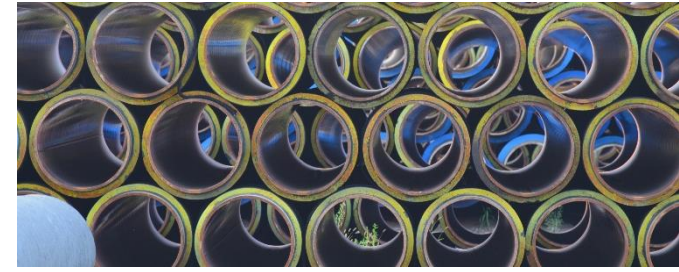
*Delivering Energy to Improve Lives*

# TENNESSEE GAS PIPELINE ANNUAL CUSTOMER MEETING

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AUGUST 24, 2023

Newport, RI



# DISCLOSURE



## Forward-looking statements / non-GAAP financial measures / industry & market data

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**Non-GAAP** – In addition to using financial measures prescribed by GAAP, we use non-generally accepted accounting principles (“non-GAAP”) financial measures in this presentation. Descriptions of our non-GAAP financial measures, as well as reconciliations of historical non-GAAP financial measures to their most directly comparable GAAP measures, can be found in this presentation under “Non-GAAP Financial Measures and Reconciliations”. These non-GAAP financial measures do not have any standardized meaning under GAAP and may not be comparable to similarly titled measures presented by other issuers. As such, they should not be considered as alternatives to GAAP financial measures.

**Industry and Market Data** – Certain data included in this presentation has been derived from a variety of sources, including independent industry publications, government publications and other published independent sources. Although we believe that such third-party sources are reliable, we have not independently verified, and take no responsibility for, the accuracy or completeness of such data.



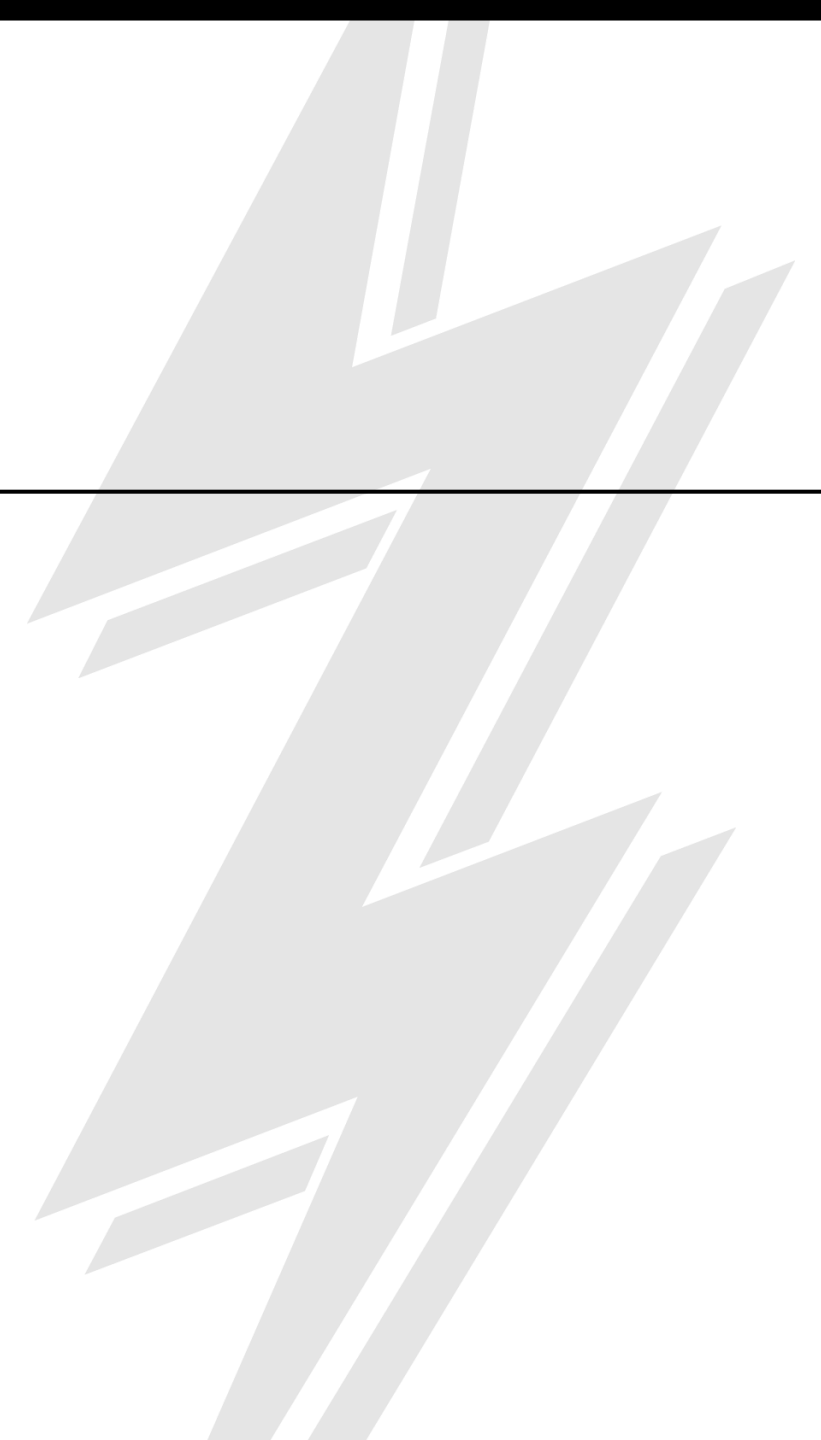
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# BUSINESS UPDATE

Sital Mody

President – Gas Pipeline Group



# Leader in North American Energy Infrastructure

Energy infrastructure, especially natural gas pipelines & storage, has a decades-long time horizon moving and storing the energy of today and tomorrow

### Largest natural gas transmission network

- ~70,000 miles of natural gas pipelines move ~40% of U.S. natural gas production
- Have interest in 700 bcf of working storage capacity, ~15% of U.S. natural gas storage

### Largest independent transporter of refined products

- Transport ~1.7 mmbld<sup>(a)</sup> of refined products to West and East Coast demand markets
- ~10,000 miles of refined products and crude pipelines

### Largest independent terminal operator

- 140 terminals & 16 Jones Act vessels
- Significant provider of refined products storage along the Houston Ship Channel, near the world's most complex refining center

### Largest CO<sub>2</sub> transport capacity of ~1.5 bcfd

- ~1,500 miles of CO<sub>2</sub> pipelines
- Produce CO<sub>2</sub> and transport to the Permian where it is used for enhanced oil recovery

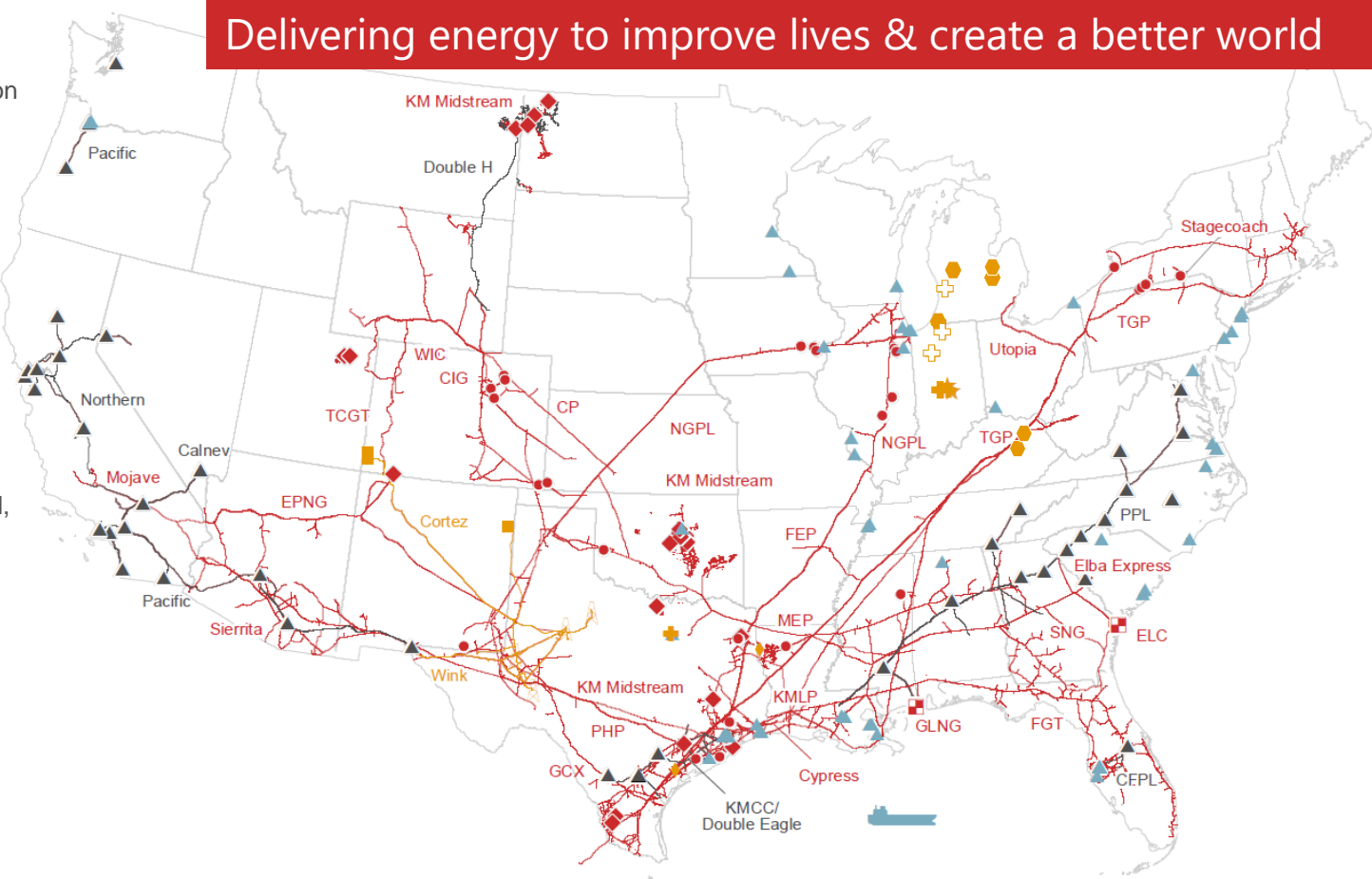
### Growing Energy Transition Portfolio

- Up to 6.4 bcf<sup>(a)</sup> of RNG production capacity by mid-2024

### Business Mix



Delivering energy to improve lives & create a better world



Note: Volumes per 2023 budget. Business mix based on 2023 budgeted Adjusted Segment EBDA. See Non-GAAP Financial Measures & Reconciliations.  
 a) Annual capacity at KM share.



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# FUNDAMENTALS UPDATE

Mark Wilson

Director – Marketing & Asset Optimization





# Tennessee Gas Pipeline

## System Overview

- ❑ Large pipeline system with access to several supply basins and well positioned to serve new demand
- ❑ Flexible - ~122 BCF of storage
- ❑ Direct connected power ~25,859 MW
- ❑ >500 firm transportation customers

## Long-term Growth Drivers

- ❑ Supply Push – Permian and Haynesville
- ❑ Market Pull - LNG export and Power Generation



# Asset Optimization Coverage

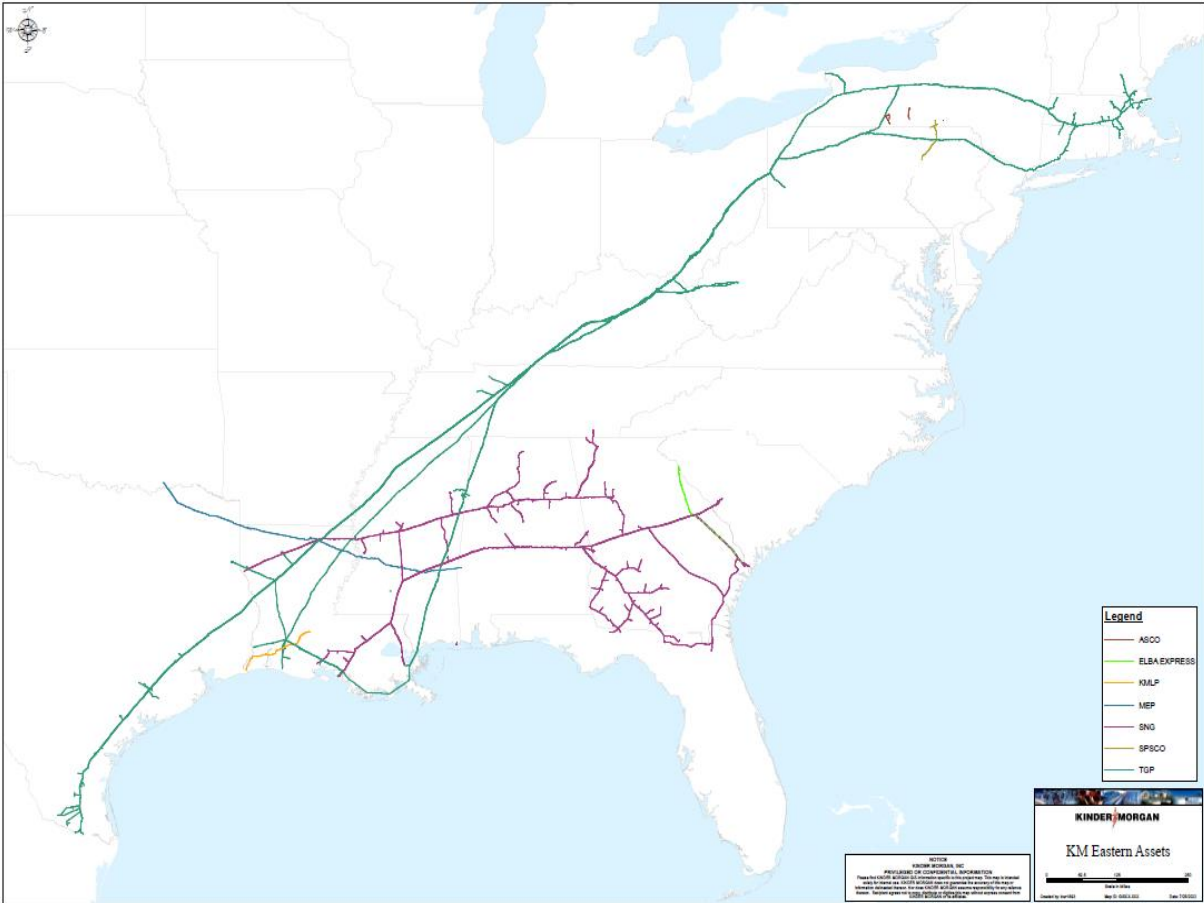
Bidroom After Hours Hotline – 713-420-4135

- Northern Pipelines

- Kinder Morgan Louisiana Pipeline (KMLP)
- Stagecoach
- Tennessee Gas

- Southern Pipelines

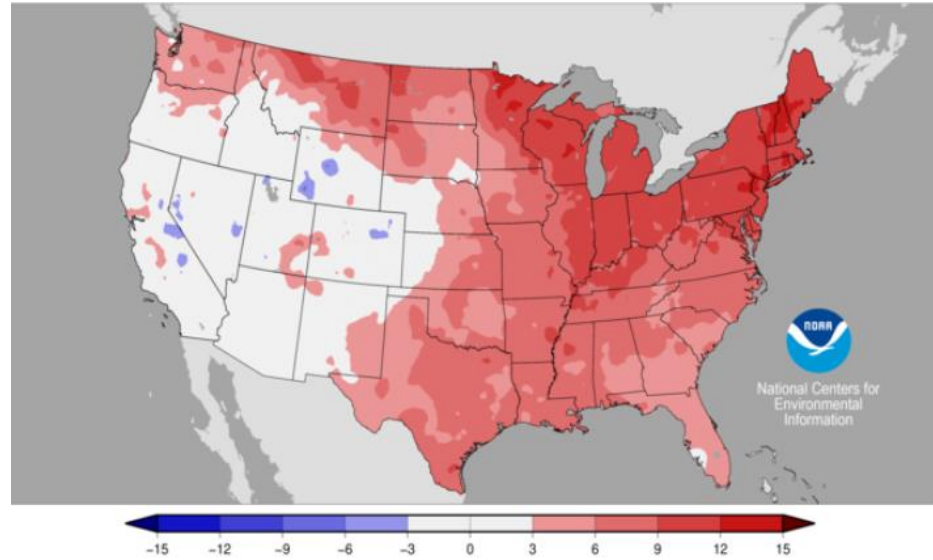
- Elba Express
  - Purchase/Sale
- Midcontinent Express
  - Daily IT
  - Park & Loan
  - Short Term FT
- Southern Natural
  - Park & Loan
  - Short Term FT



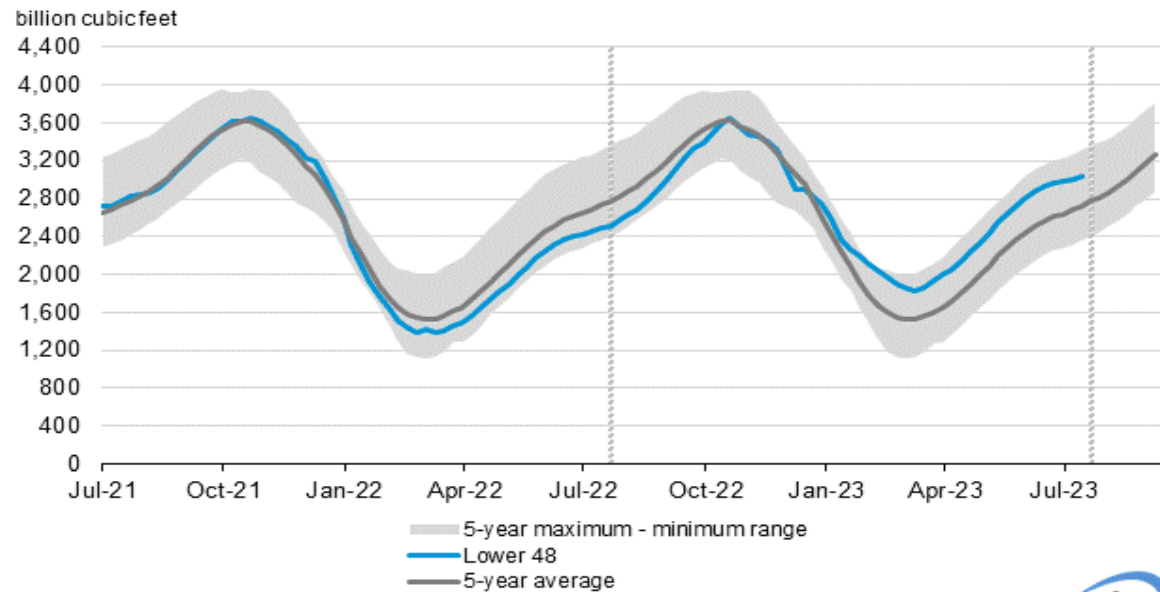
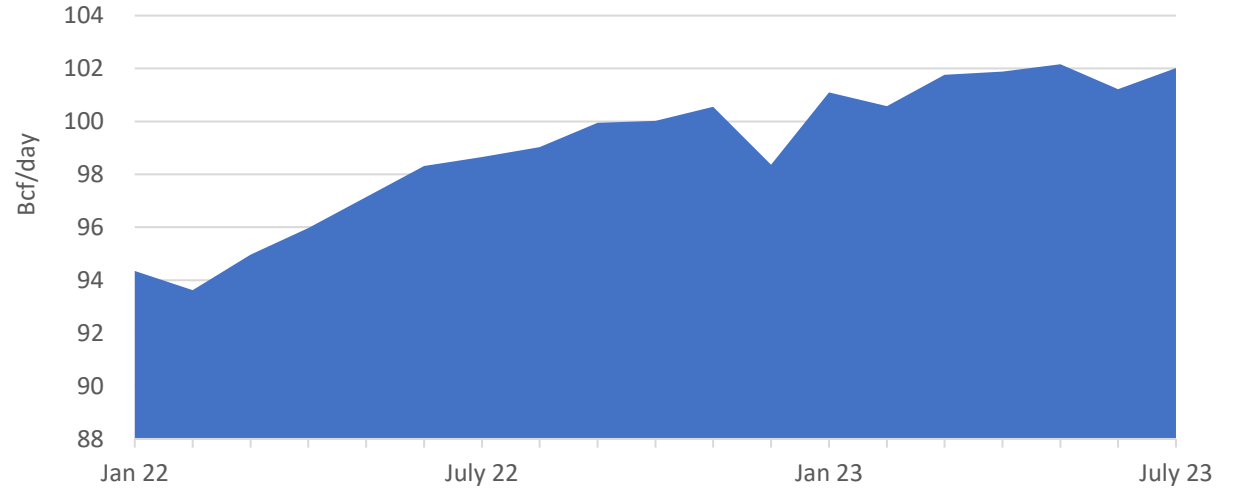
- A year ago:
  - Prompt NYMEX contract trading around ~\$8/MMBtu
  - Unsure if we could fill storage enough to meet demand for the winter
  
- This year:
  - Prompt NYMEX contract trading around ~2.60/MMBtu
  - Storage could be full before the end of September
  
- What happened?



# What Changed?



## L48 Production



Data source: U.S. Energy Information Administration



## Prompt NYMEX Henry Hub



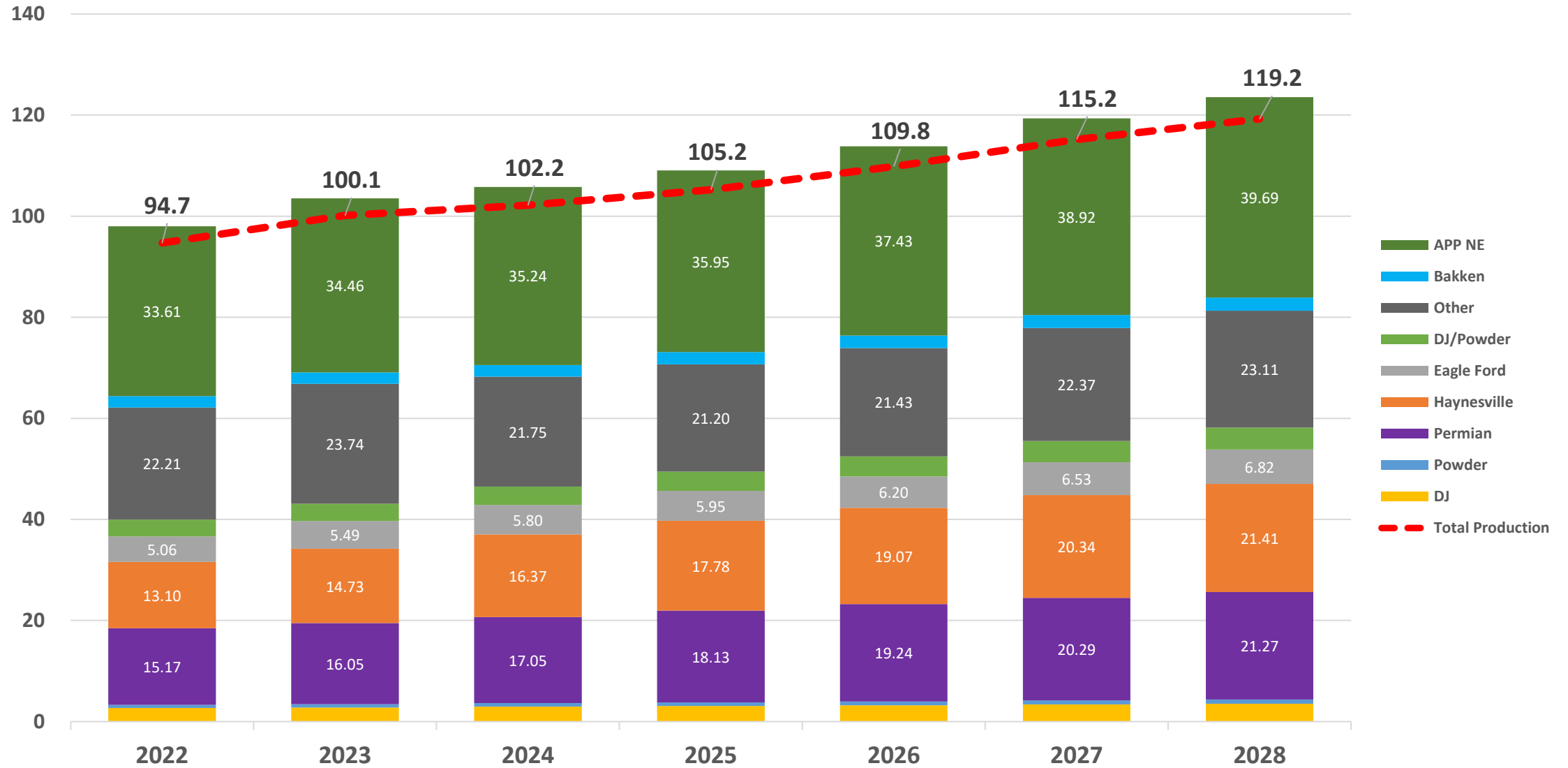
# Looking Forward – What Will Influence the S/D Balance?

- Macro Constraints
  - Into Northeast
    - New England / LNG imports – what becomes of the Everett terminal?
  - Out of Permian – Intrastate builds; low production cost
  - Out of Appalachia
    - MVP and intra-basin coal conversions
    - Will there be additional expansions out of the basin?
  
- Worldwide LNG market / Crisis in Europe – will winter show up in Europe this year?
  
- Power generation – Gas powered generation growth is tug-of-war
  
- Supply response – can producers ramp production to meet increased LNG and Power demand?



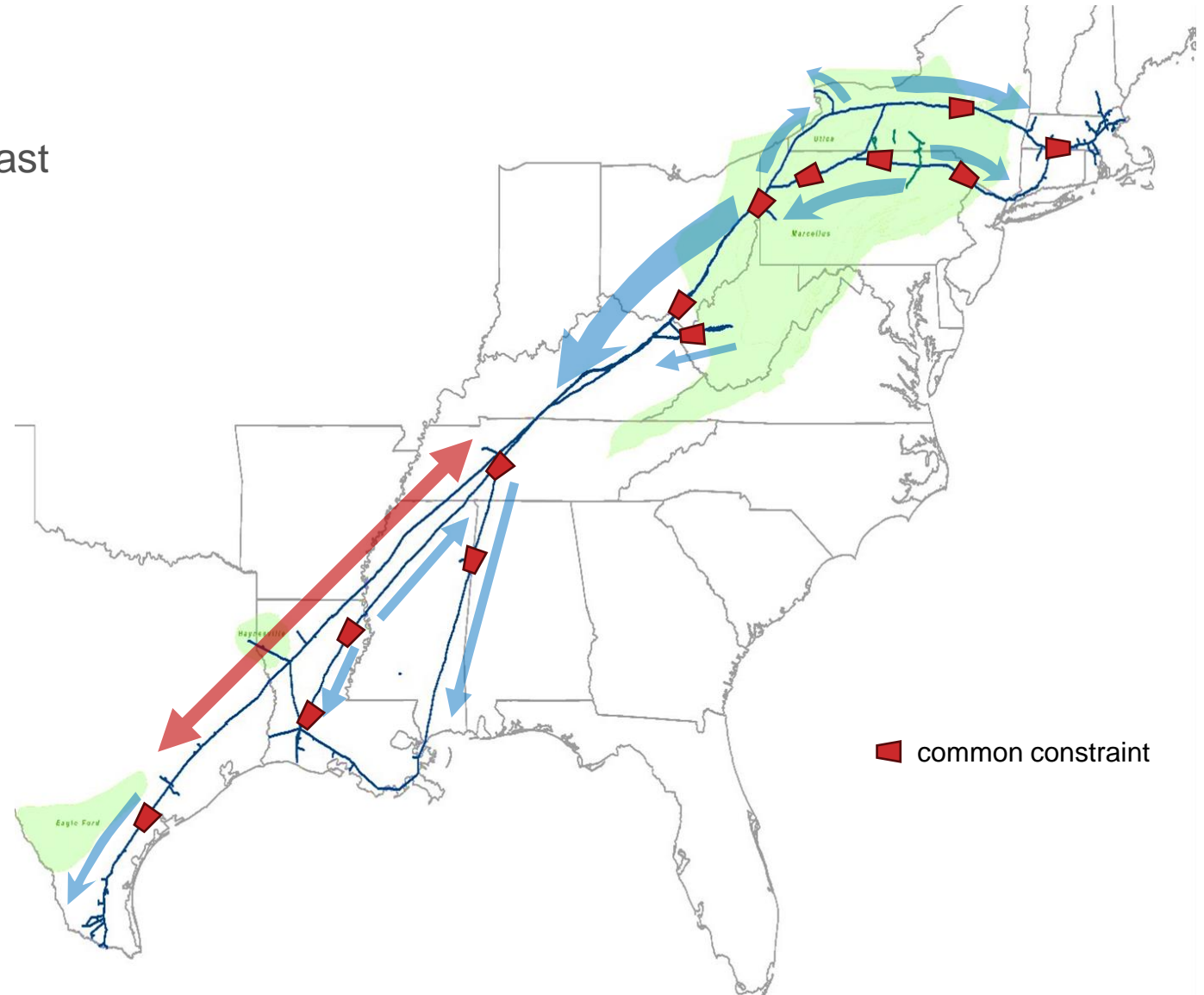
# Production Forecast by Basin

L48 Production (Bcf/d)



# System Flows

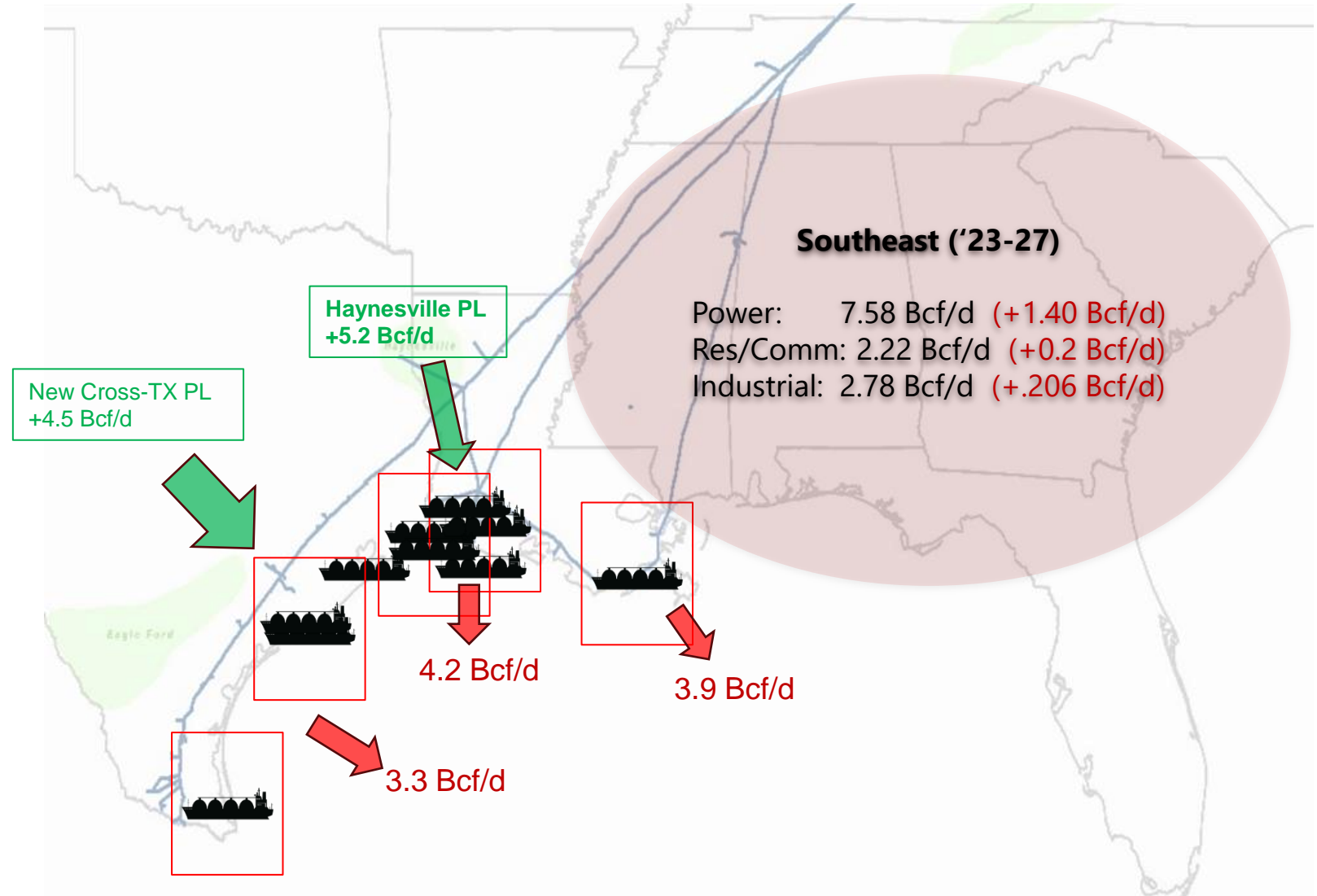
- Remains the same
  - High utilization moving gas from Marcellus/Utica, both South and East
  - Traditional bottleneck into New England remains
  - Steady exports to Canada
- Recent Trends
  - Power growth - PJM in particular
  - Growing LNG exports
  - Texas becomes a swing market



# Looking Forward – What Will Influence the S/D Balance?

## Supply Demand Balance (2023 to 2028)

- ❑ **Supply to E-TX/W-LA (+9.8 Bcf/d)**
  - ❑ New Permian to Gulf Pipes will add 4.5 Bcf/d
  - ❑ Haynesville adds 5.3 Bcf/d
- ❑ **LNG Demand (+11 Bcf/d)**
  - ❑ 4.8/d in TX
  - ❑ 2.4/d in W LA
  - ❑ 3.9/d in E LA
  
- ❑ New pipe projects will move 5.36 Bcf/d from N LA to W LA
  
- ❑ Significant deficit of Gas in Gillis to Plaquemines coastal corridor
  
- ❑ Over 3 Bcf/d more capacity needed to S LA – especially SE LA





# Winter Weather Prediction

**FARMERS' ALMANAC**  
SINCE 1818

## 2023-24 WINTER OUTLOOK

*The BRRR is Back!*

**Seasonably Cold, Wet** (Pacific Northwest)

**Wintry Temps, Seasonably Stormy** (West Coast)

**Cold, Average Snowfall** (Mountain West)

**Unseasonably Cold, Stormy** (Southwest)

**Cold, Stormy** (Midwest)

**Chilled, Wet** (Southeast)

**Frosty, Flakey, Slushy** (Northeast)

**Cold, Snowy** (New England)

**The BRRR is Back!**

FarmersAlmanac.com

f t p i d



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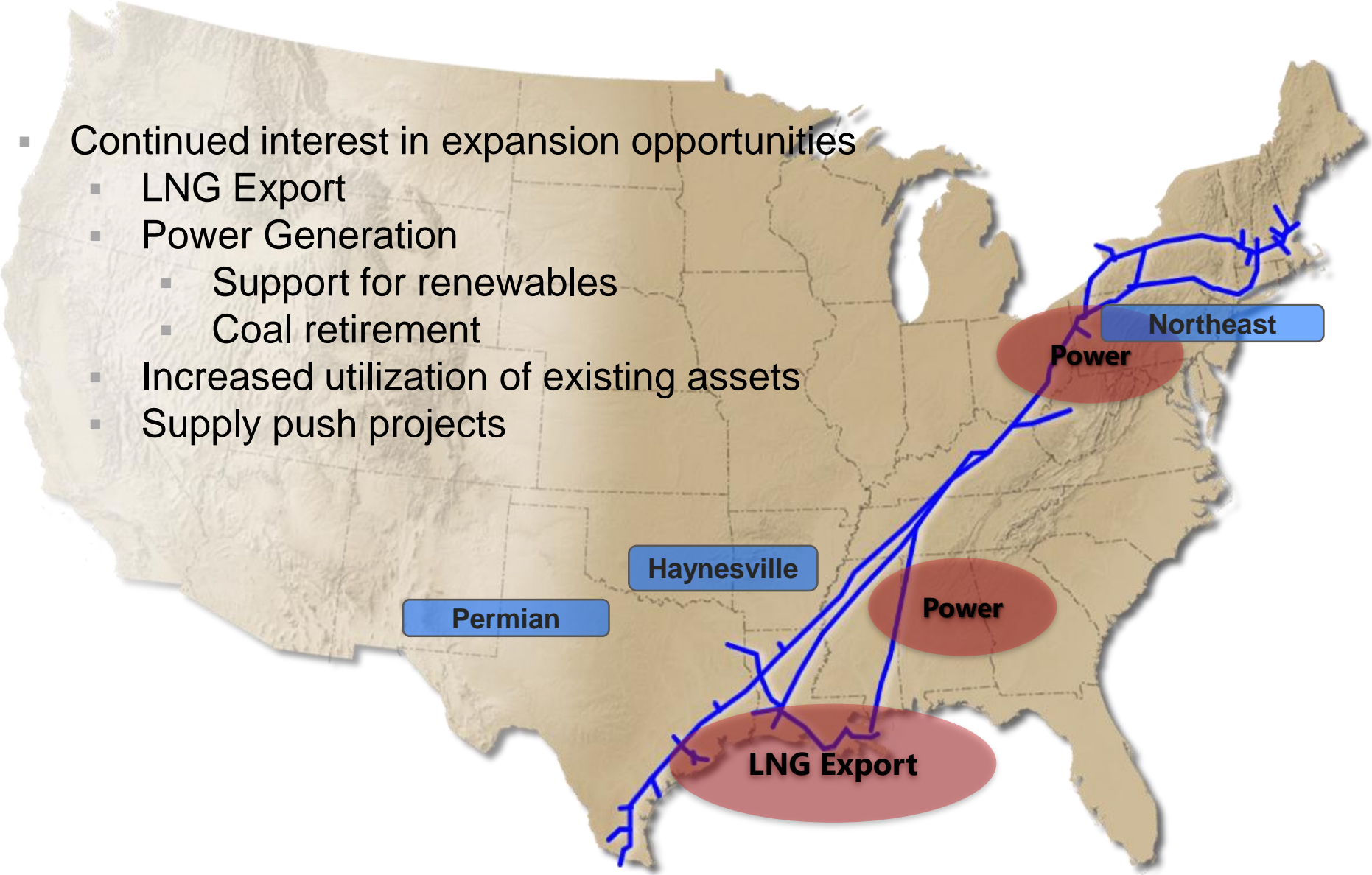
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# BUSINESS DEVELOPMENT UPDATE

Preston Troutman  
Director – Business Development

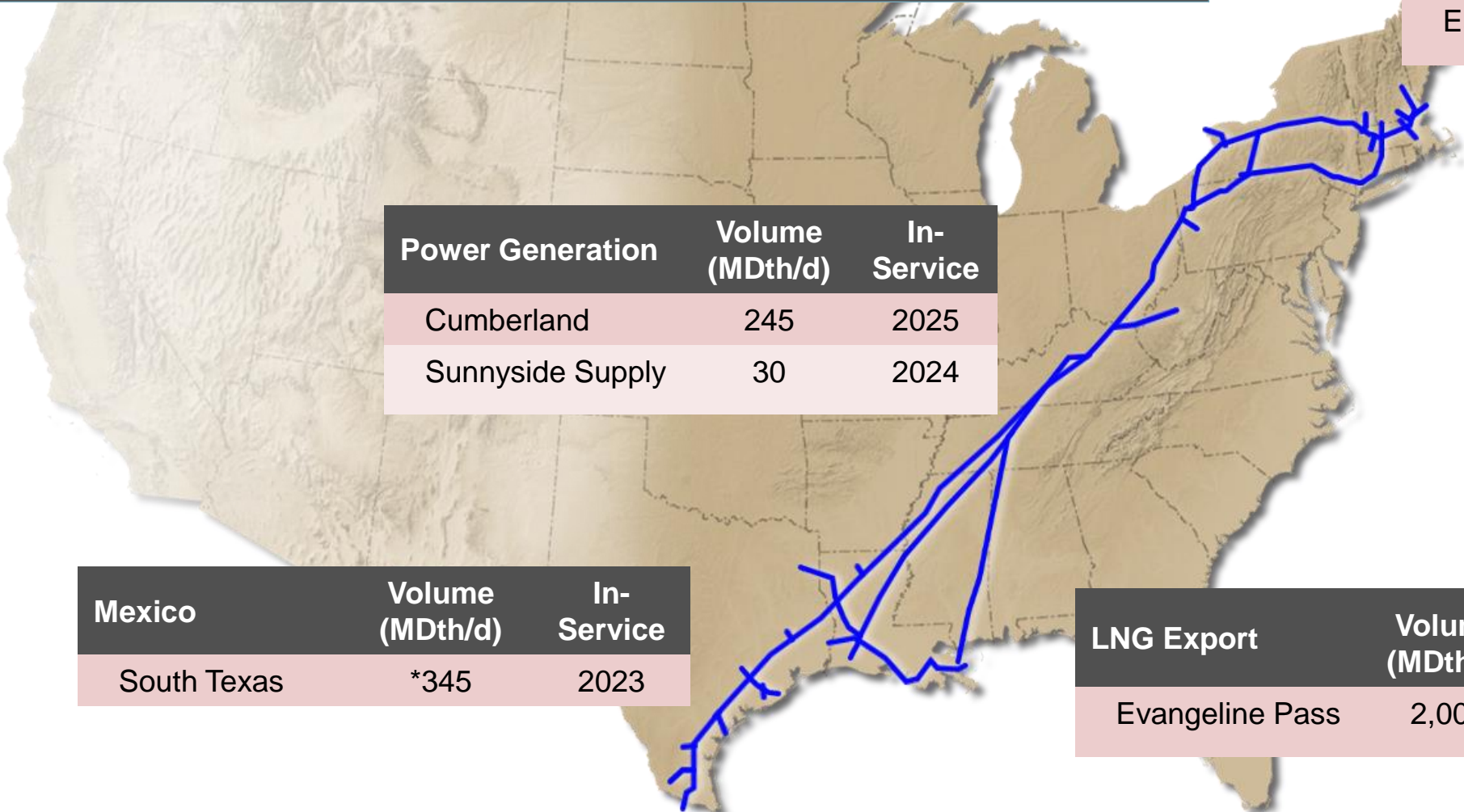
# Market Opportunities

- Continued interest in expansion opportunities
  - LNG Export
  - Power Generation
    - Support for renewables
    - Coal retirement
  - Increased utilization of existing assets
  - Supply push projects



# Announced Capital Projects

**Successfully Executing on Projects in Key Areas**  
\$1 Billion Backlog – primarily market pull



Northeast	Volume (MDth/d)	In-Service
East 300	115	2023

Power Generation	Volume (MDth/d)	In-Service
Cumberland	245	2025
Sunnyside Supply	30	2024

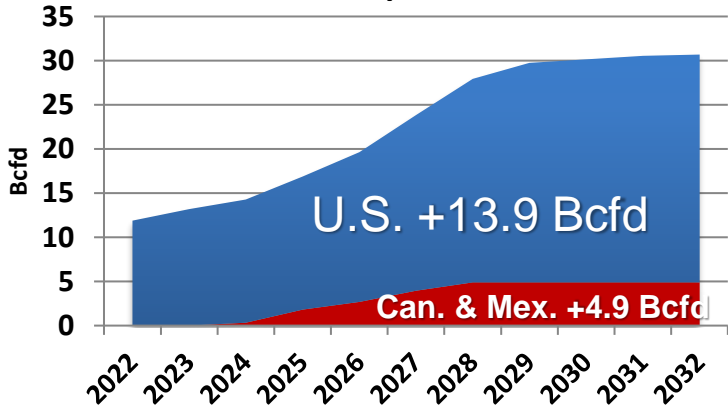
Mexico	Volume (MDth/d)	In-Service
South Texas	*345	2023

LNG Export	Volume (MDth/d)	In-Service
Evangeline Pass	2,000	24/25



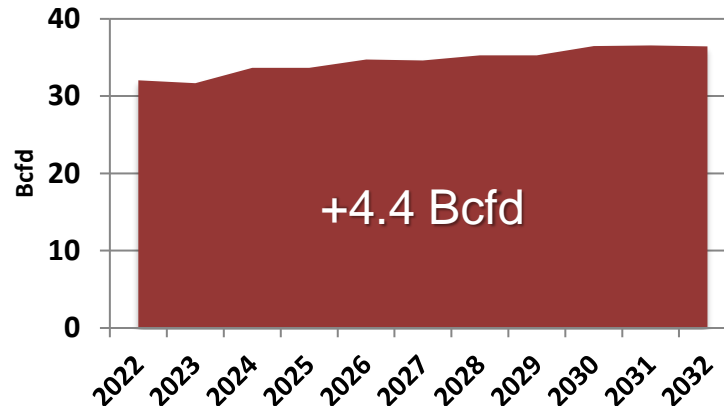
# Demand on the Horizon

**LNG Exports**



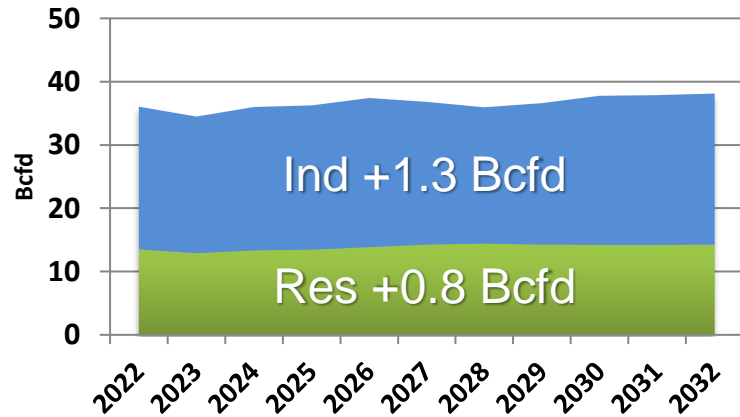
**North America is a net exporter**

**U.S. Power Gen Demand**



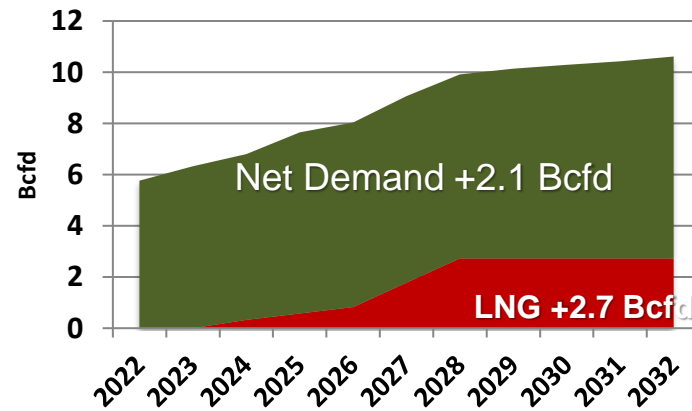
**More Gas-fired generation**

**U.S. Res/Ind Demand**



**Residential & Industrial growth**

**Exports to Mexico**



**More U.S. Exports to Mexico**

- Energy Transition
- Supply/Demand dislocation
- Optimization of existing assets

**Thank You**



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# OPERATIONS UPDATE

Rob Perkins

Vice President – Gas Control

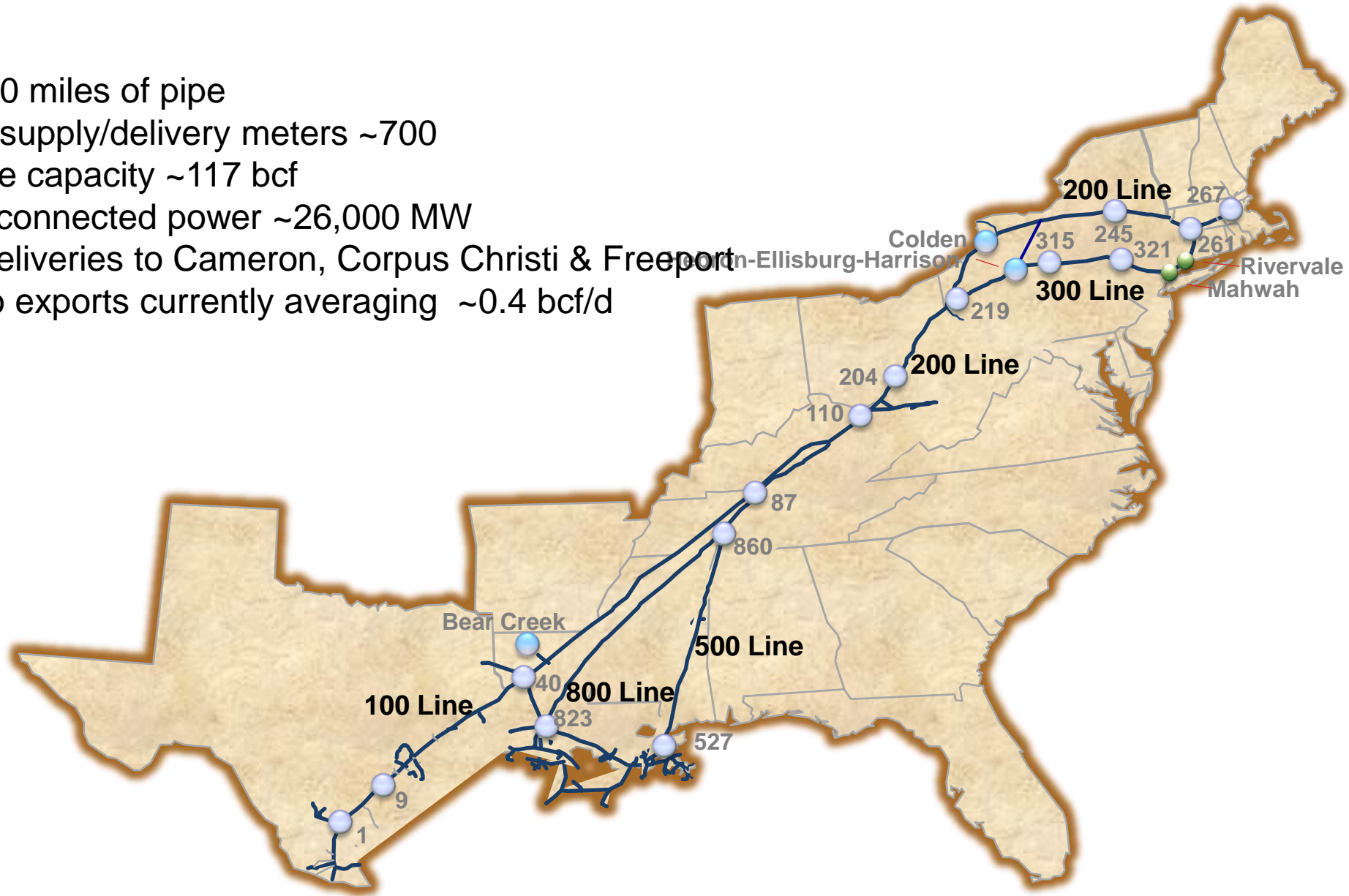




- System wide flows and throughput
- Winter Review
- Summer Review
- Operations expectations

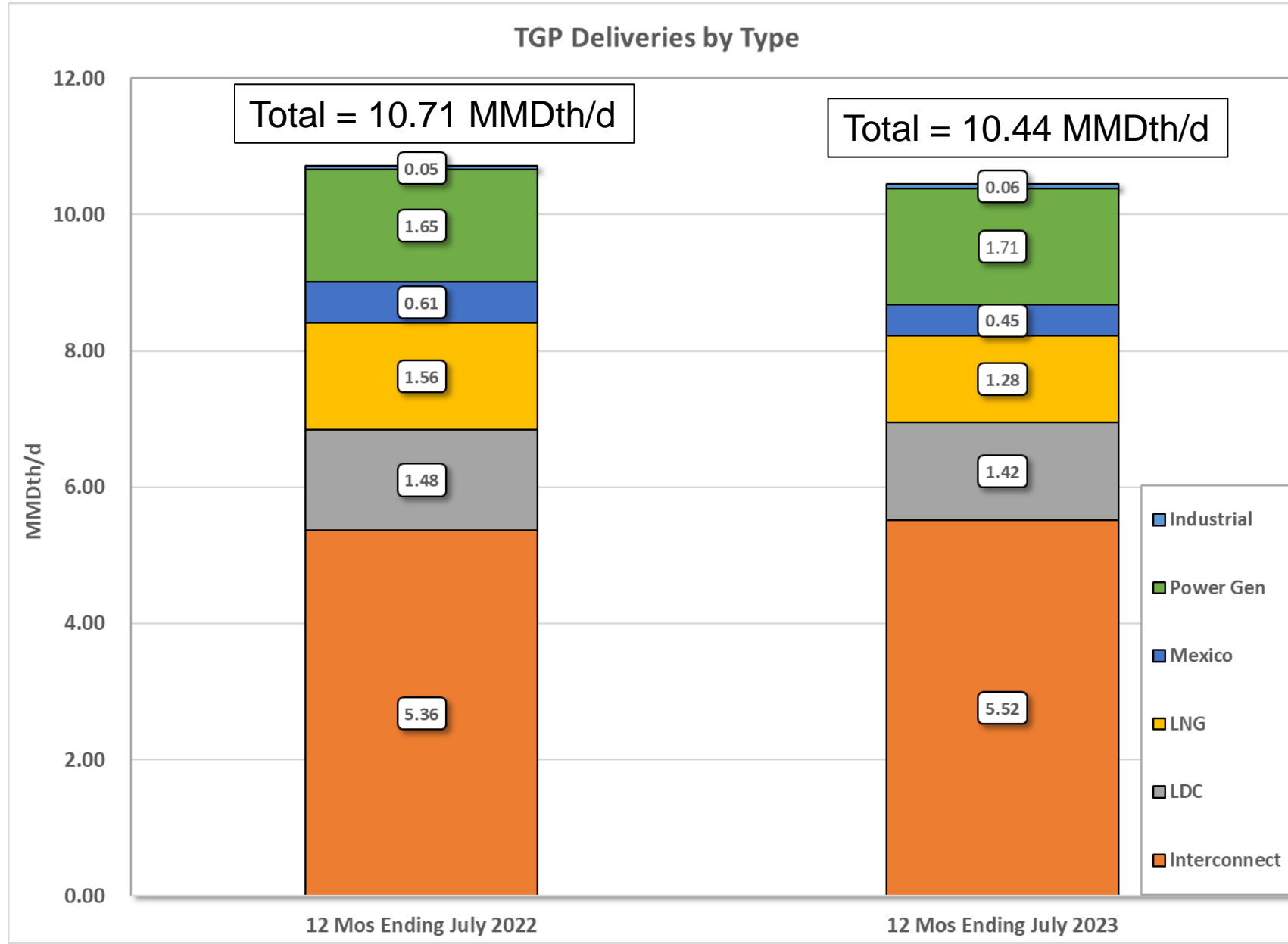
# TGP System Overview

- ~11,750 miles of pipe
- Active supply/delivery meters ~700
- Storage capacity ~117 bcf
- Direct connected power ~26,000 MW
- LNG deliveries to Cameron, Corpus Christi & Freeport
- Mexico exports currently averaging ~0.4 bcf/d



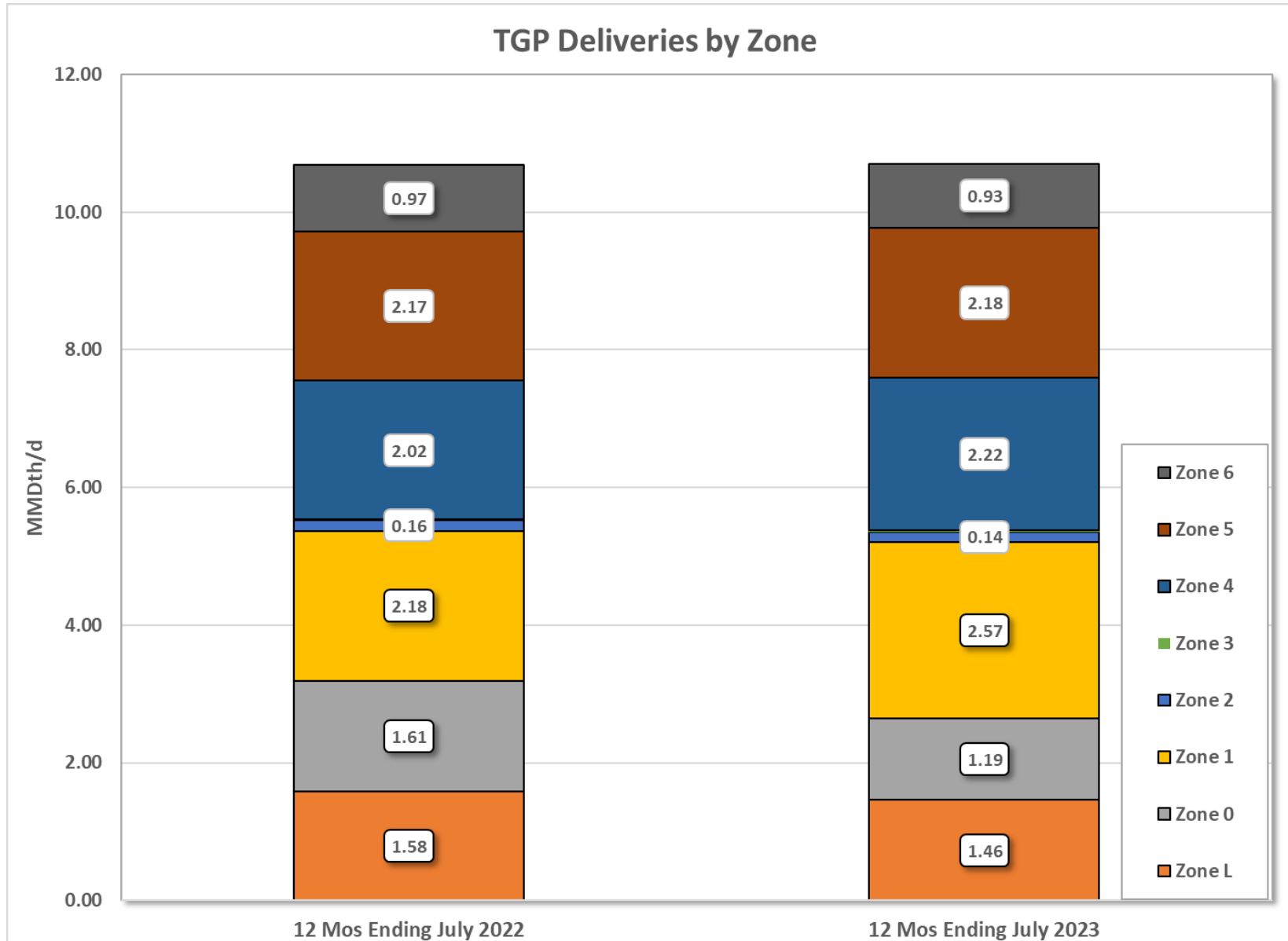
# TGP System Overview

## Deliveries by Type



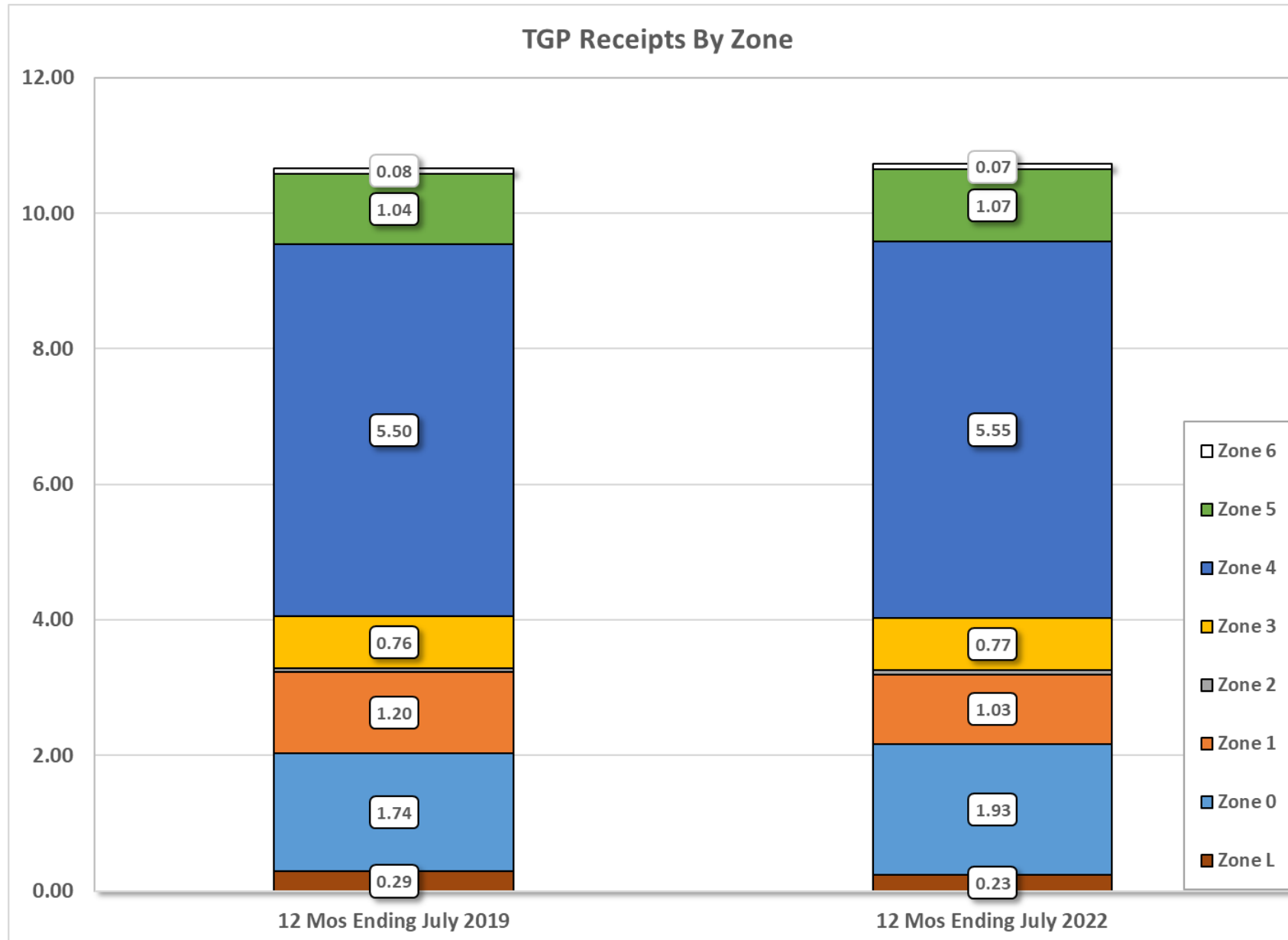
# TGP System Overview

## Deliveries by Zone



# TGP System Overview

## Receipts by Zone



# Winter Review

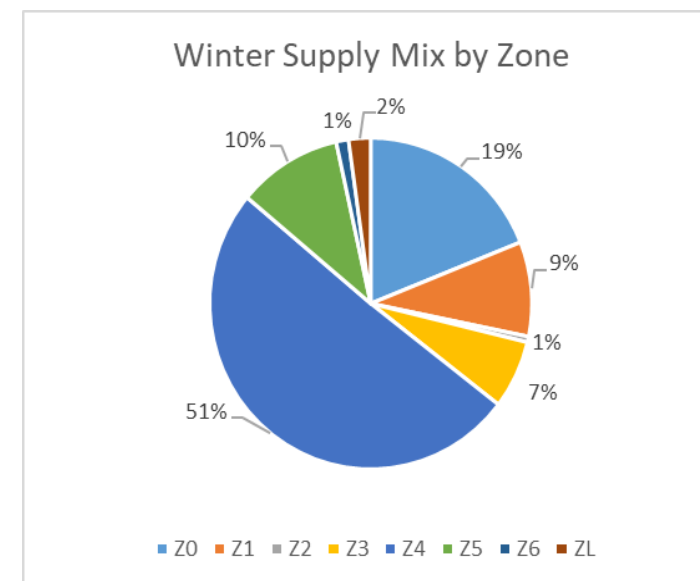
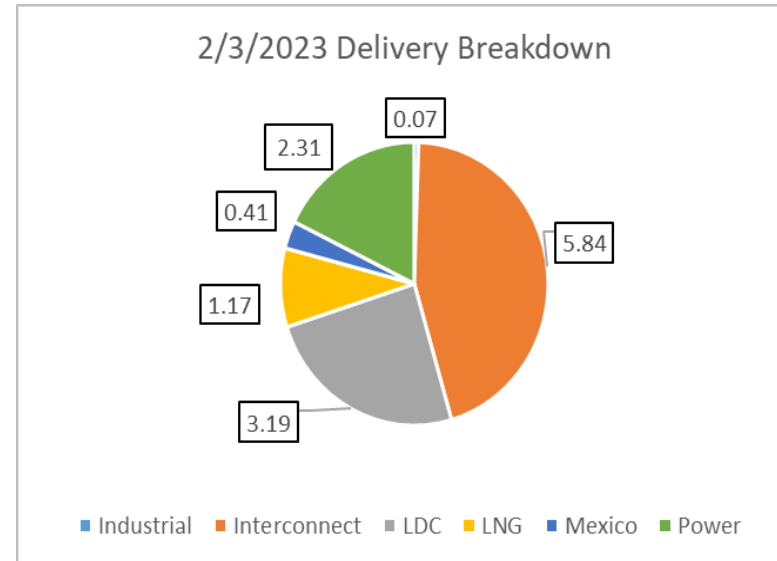
## Overview

- Overall mild winter weather with a few periods of extreme weather
- System-wide throughput dipped 4% compared to previous winter
- Winter Peak was ~12.98 MMDth on February 3, 2023
- Power Demand Peak was ~2.77 MMDth/d on December 23, 2022

## Supply

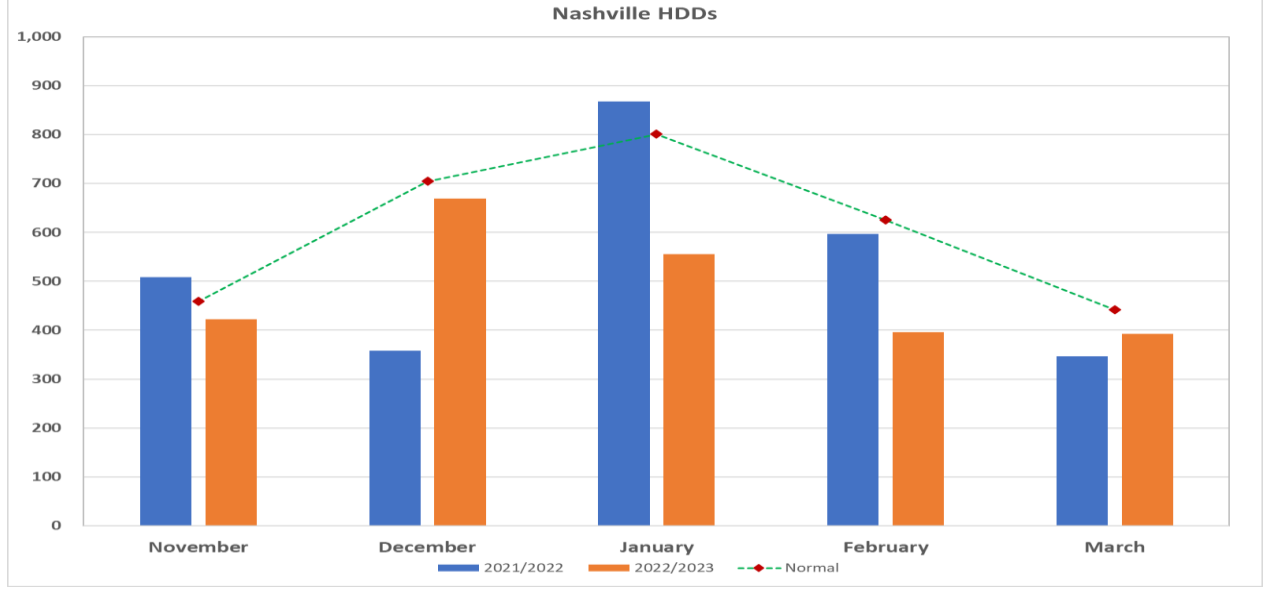
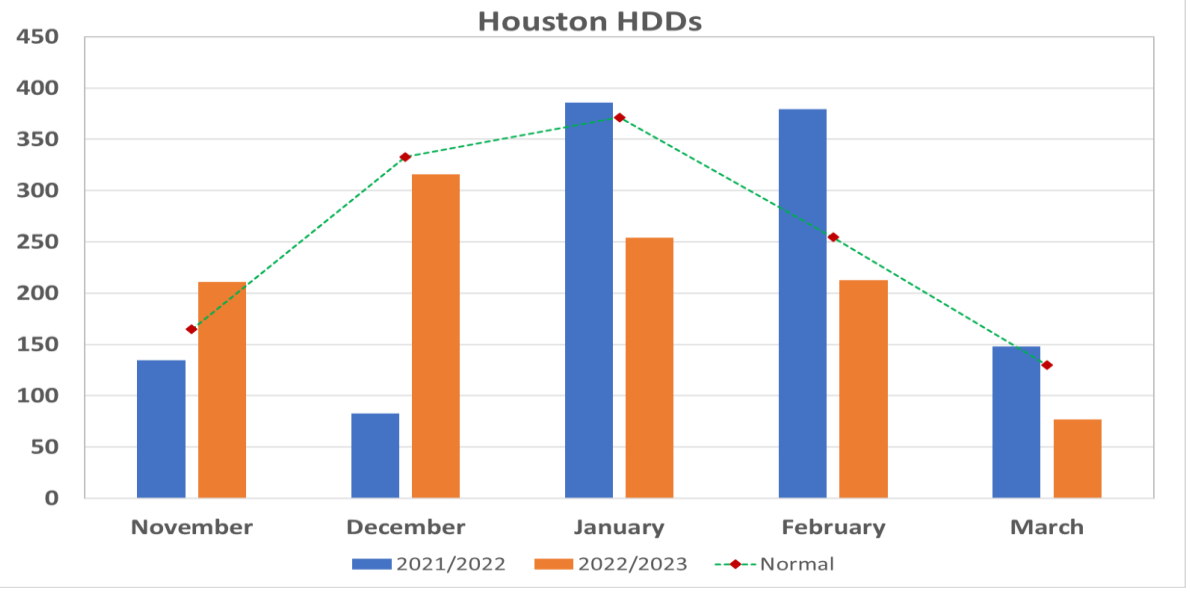
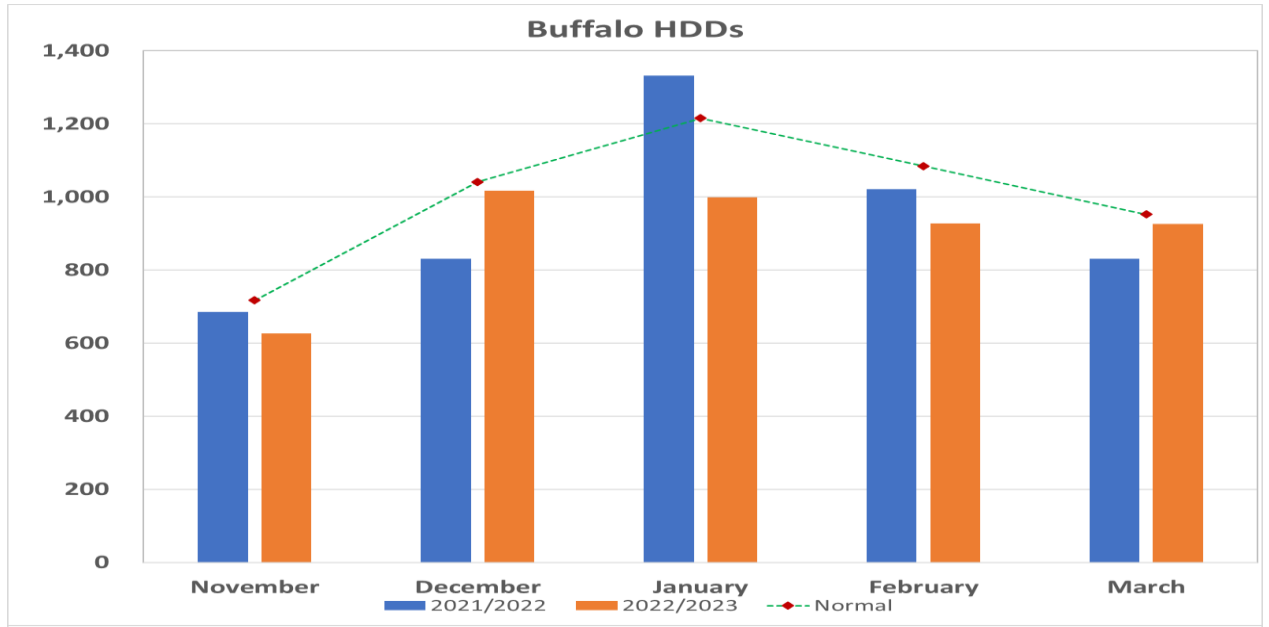
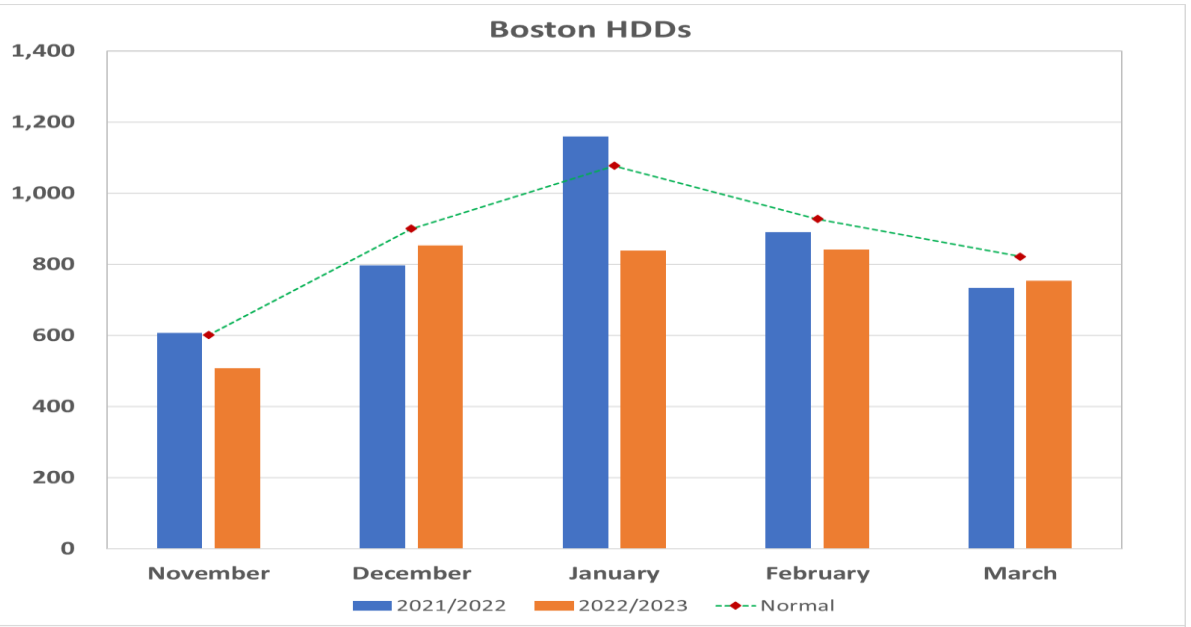
- Supply in Zone 4 continued to provide 50+% of total system supply this past winter (~5.6 MMDth/d)
- Storage withdrawals averaged 0.28 MMDth/d with a peak of 1.56 MMDth

## Operational Challenges





# Winter Review – Weather

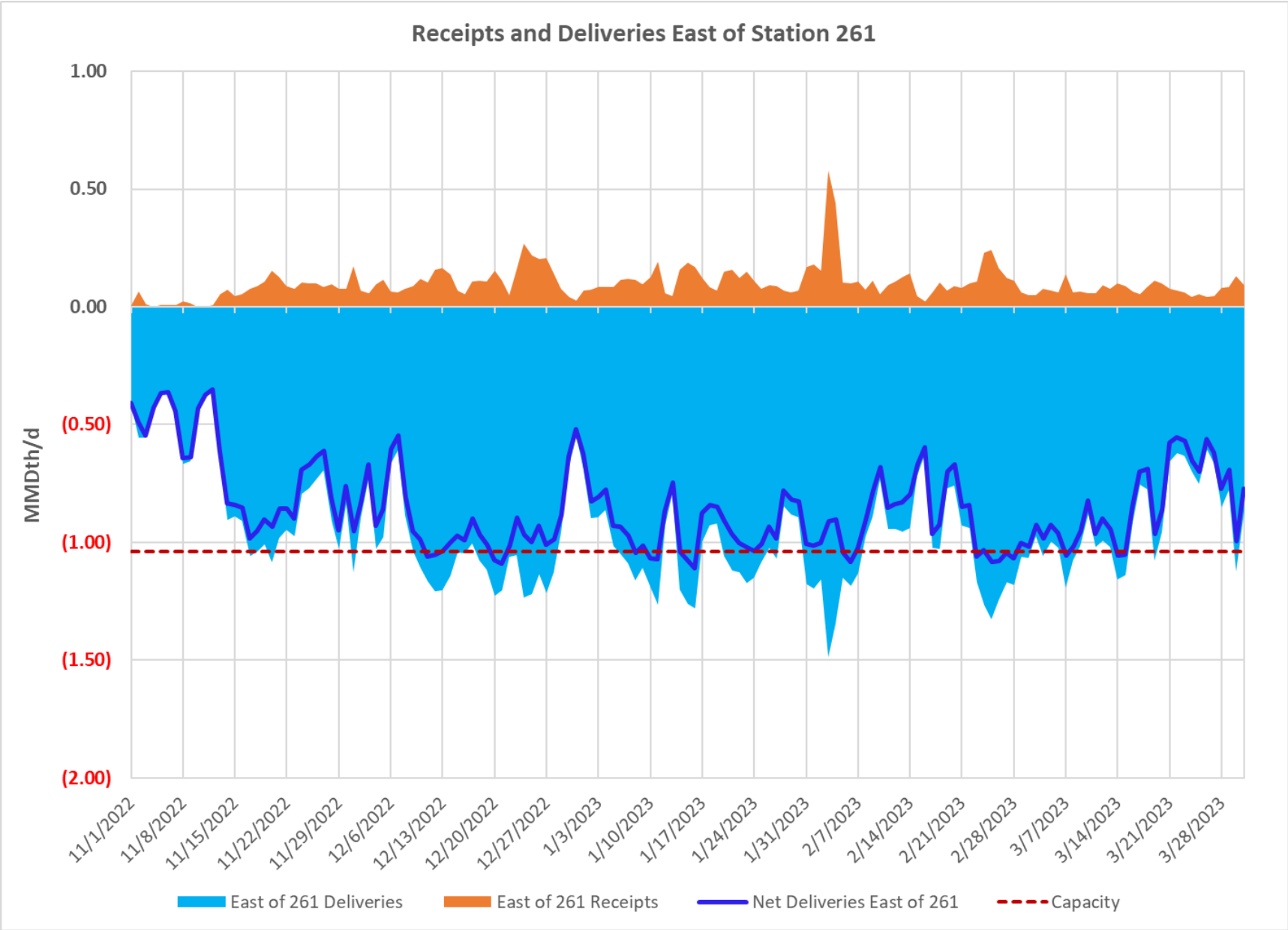


\*Normal is a 30-year average

# Winter Review – Deliveries by Type

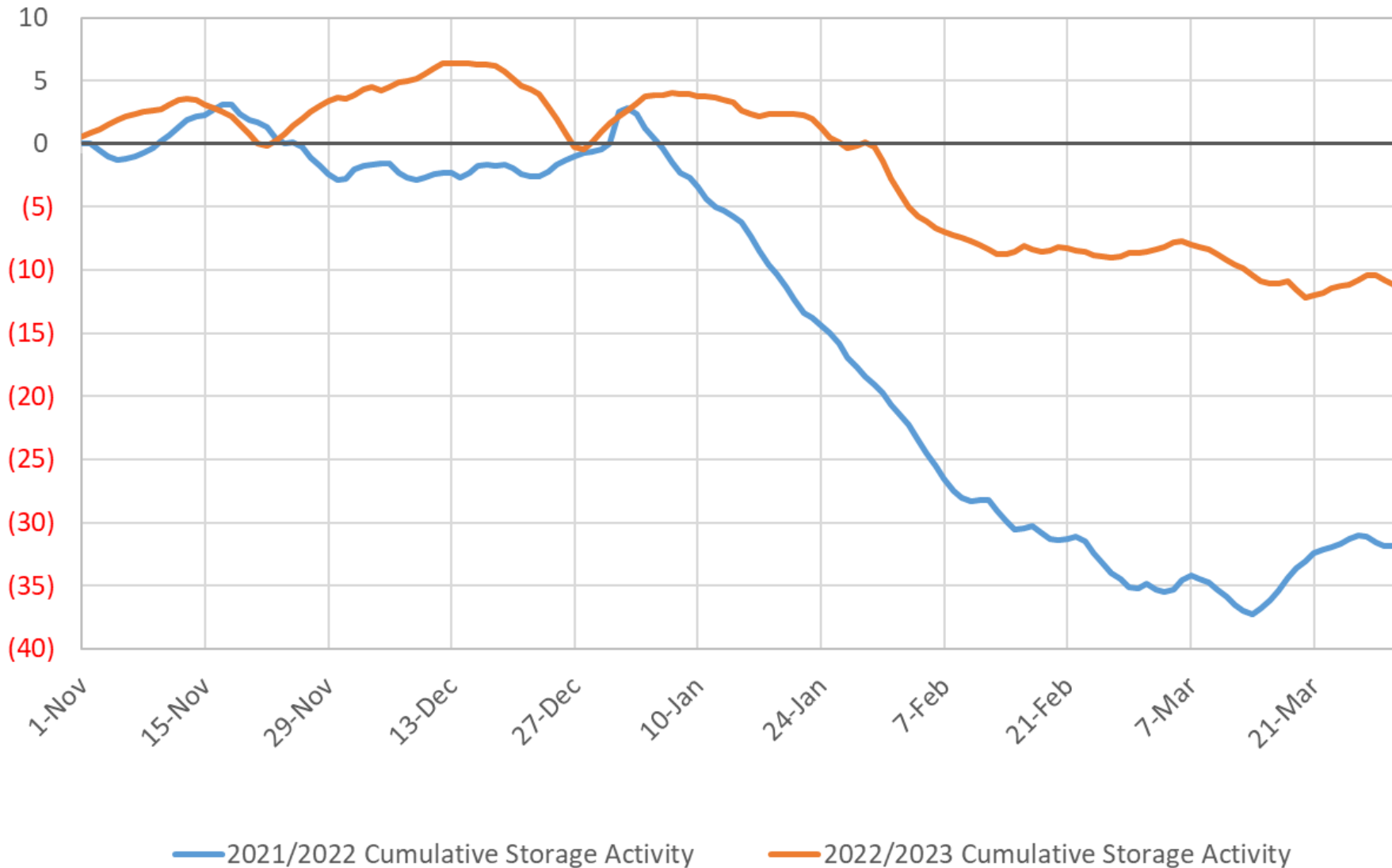
	<u>2020-2021</u>	<u>2021-2022</u>	<u>2022-2023</u>	<u>YoY Change</u>
LDC	2,079	2,089	1,936	-7%
Power	1,381	1,558	1,626	+4%
Interconnects	5,312	5,593	5,837	+4%
Mexico	802	565	382	-32%
LNG	1,480	1,705	1,218	-29%
Industrial	49	50	63	+25%
<b>TOTAL</b>	<b>11,103</b>	<b>11,559</b>	<b>11,061</b>	<b>-4%</b>

# Winter Review – East of Station 261



# Winter Review – Storage Withdrawals

Winter Cumulative Storage Withdrawal



~20 Bcf more storage inventory withdrawn in 2021/2022 winter than in 2022/2023

## ▪ Overview

- Tennessee system was in good shape heading into the weather event beginning on 12/23/22
- Experienced significant supply shortage overnight on 12/23/22 and into 12/24/2022
- Scheduling restrictions were responsive and implemented Location Off Rate cuts intraday on 12/24/2023
- Linepack dropped close to 2 bcf (~15%) in 12 hours due to supply shortages and peaking demand related to the extreme weather
- Resulted in lower than normal operating pressures across much of the pipeline until recovery began on 12/26/2022 when demand began to wane
- Pipeline and storage facilities performed well throughout the event with no significant weather related outages

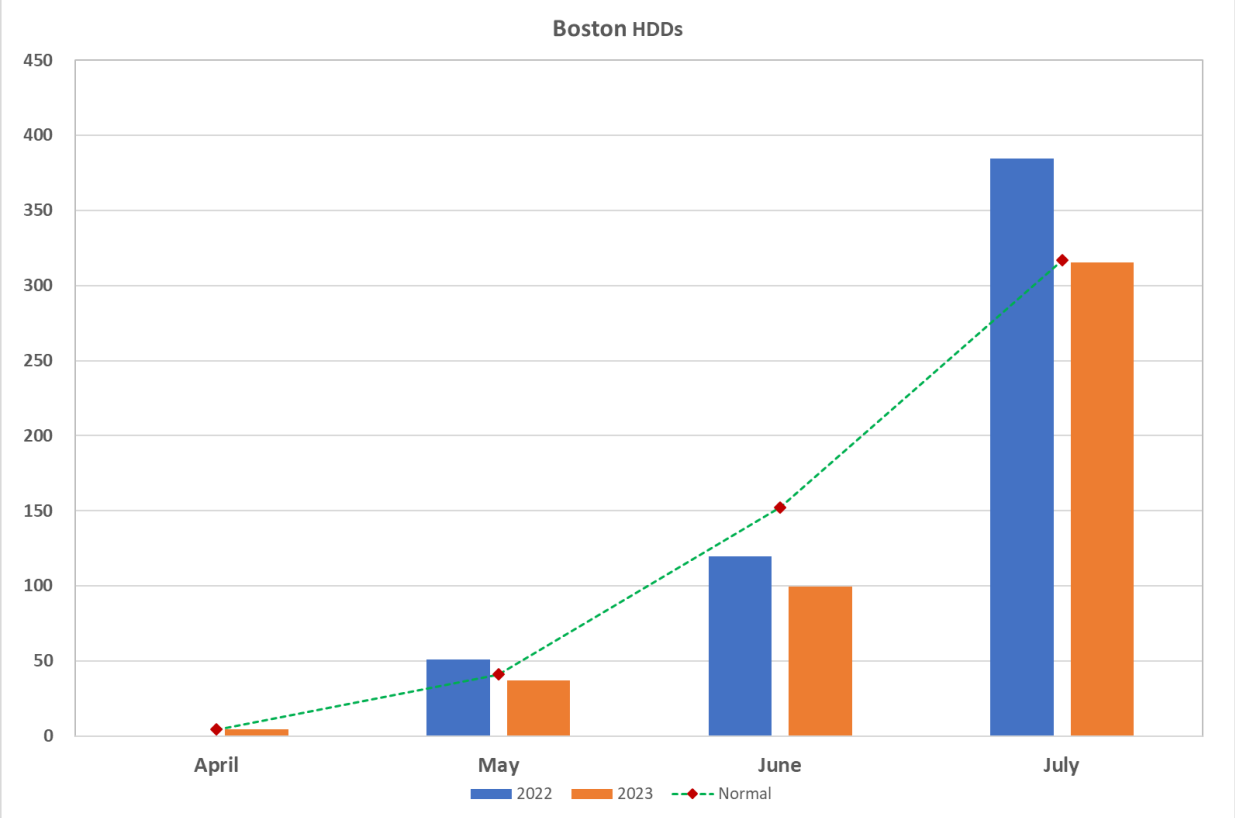
- Overview
  - System-wide throughput through July down 2% to previous summer
  - Maintenance planning and execution continues to be challenging
- Demand
  - Strong demand across the pipeline once again
  - Similar demand to 2022 in all delivery sectors



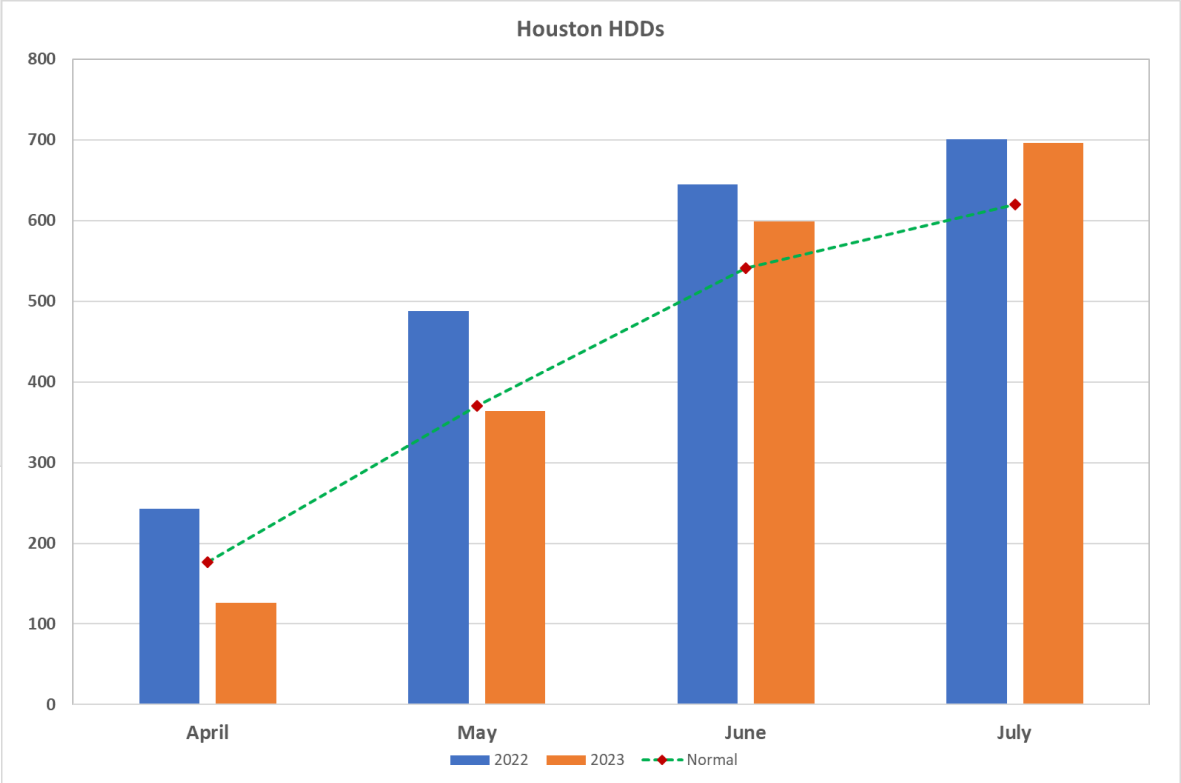
# Summer Review – April through July

	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Change</u>
LDC	1,060	1,079	1,059	-2%
Power	1,489	1,820	1,780	-2%
Interconnects	5,141	5,374	5,293	-1%
Mexico	846	550	572	+4%
LNG	1,407	1,422	1,332	-6%
Industrial	47	44	65	+46%
<b>TOTAL</b>	<b>9,990</b>	<b>10,289</b>	<b>10,101</b>	<b>-2%</b>

# Summer Review - Weather



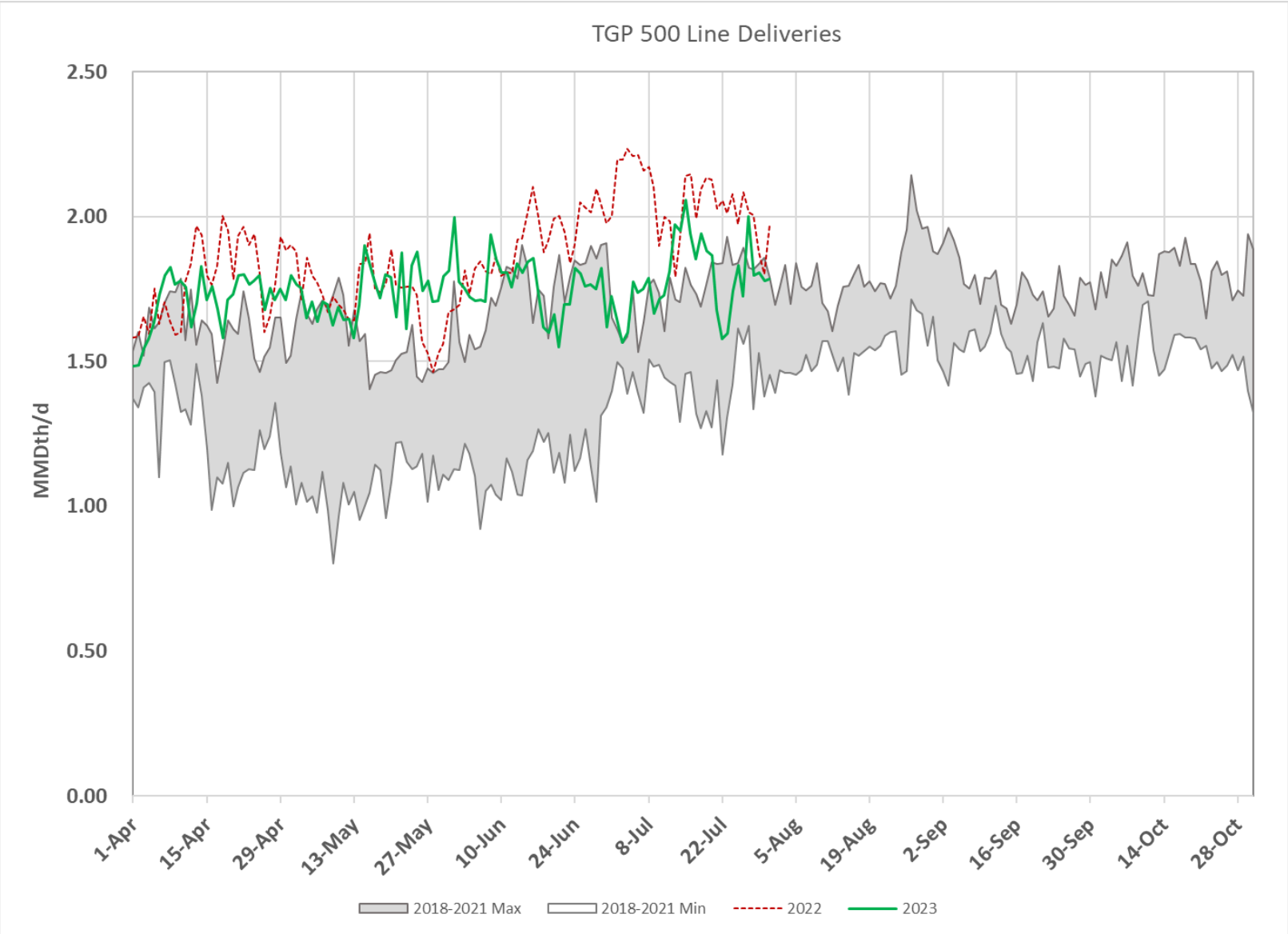
- Strong 2023 power gen despite normal to mild summer across much of the system
  - 2023 average daily summer power generation deliveries are 2<sup>nd</sup> highest behind only 2022



\*Normal is a 10-year average

# Summer Review

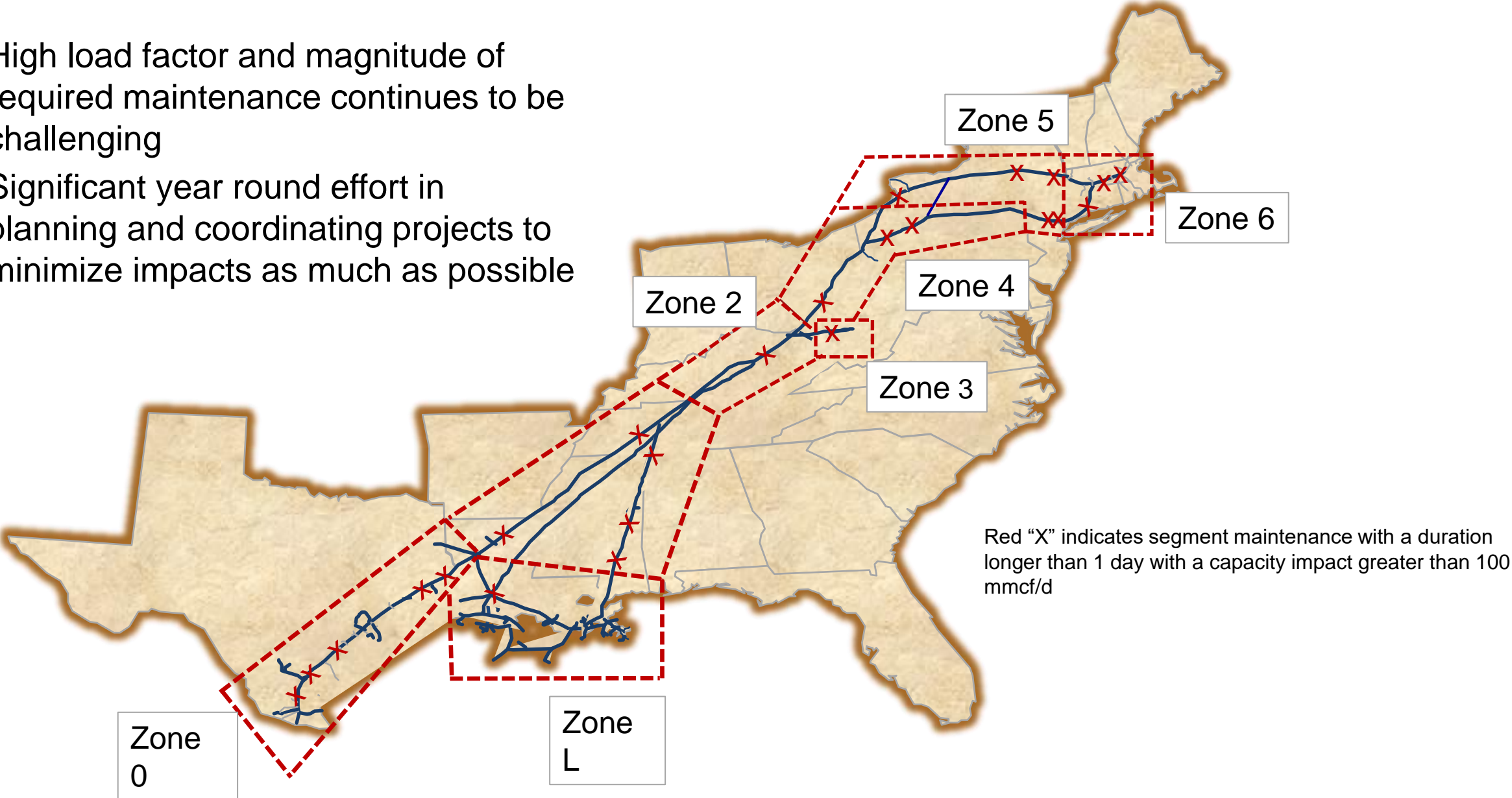
TGP 500 Line Deliveries



- 500 Line summer deliveries lower than 2022, however still on the higher end of historic demand

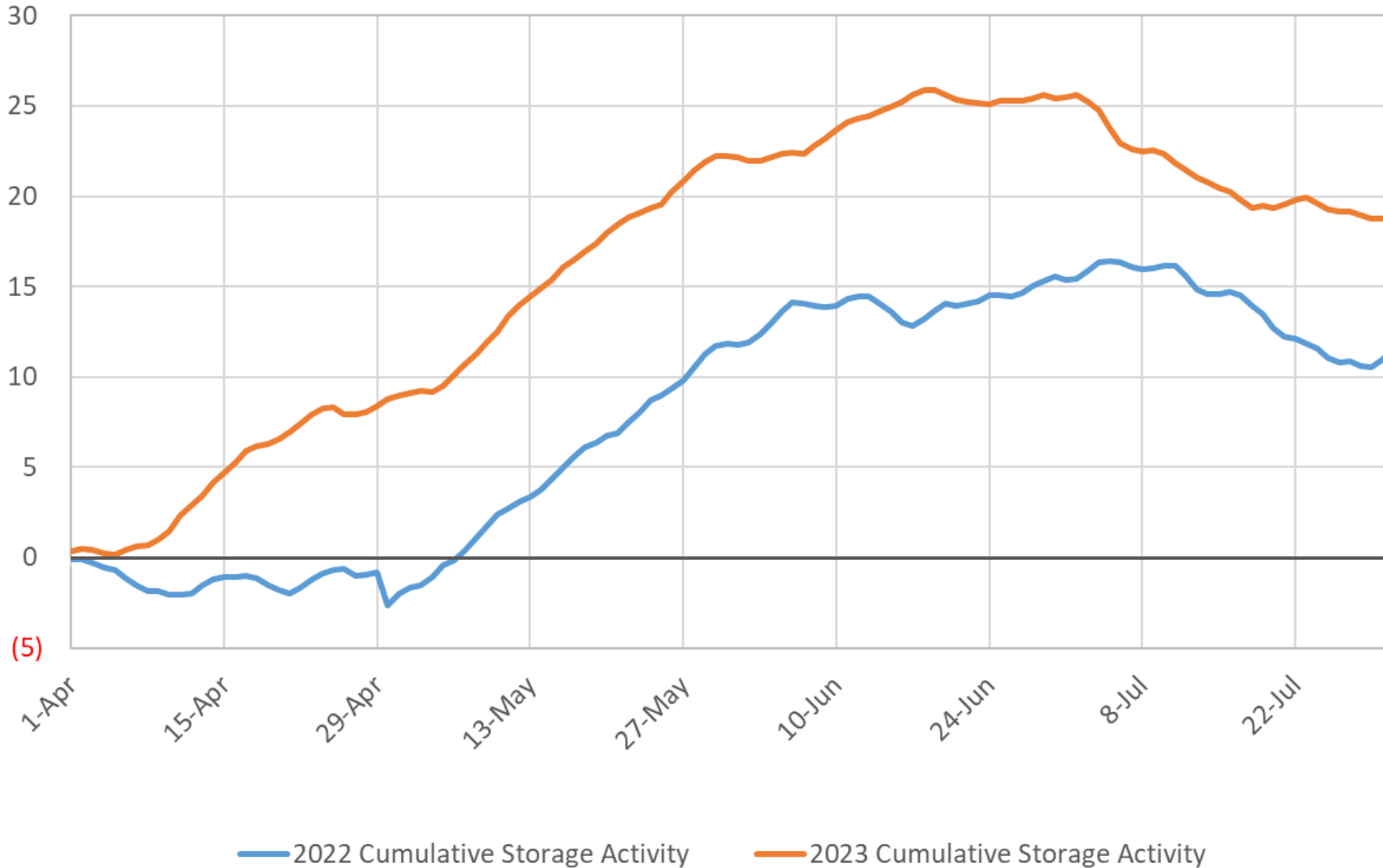
# 2023 TGP Maintenance Summary

- High load factor and magnitude of required maintenance continues to be challenging
- Significant year round effort in planning and coordinating projects to minimize impacts as much as possible



# Summer Review – Storage Activity

Summer Cumulative Storage Injection



} ~7 bcf more storage inventory injected through July in 2023 than 2022

(5)

# Operational Expectations

- Continued high utilization system wide
  - LNG demand is high utilization with no seasonality – increasing load factor in southern segments
  - Zone 6 East of Station 261 will continue at capacity during typical winters
  - Storage injections will be challenging to manage as summer demand wanes
  - Scheduling maintenance and outages continues to be challenging
    - Significant coordination effort to minimize customer impact
    - Multi-year analysis when scheduling known major outages
    - Continued maintenance and integrity efforts ensure reliability
    - Routine PHMSA required inspections and maintenance

***Kinder Morgan provides energy transportation and storage services in a safe, efficient and environmentally responsible manner for the benefit of people, communities and businesses.***

# TGP Operations Contact List



## Gas Control

24 hour and emergency  
**800-231-2800**

Gas Control Manager - Open

Layne Sanders – Director  
713-420-5024  
Cell – 832-563-5024

Brian Merchant – VP, Gas Control  
713-420-5867  
Cell – 713-206-0590

Rob Perkins – VP, Pipeline  
Management  
713-420-5229  
Cell – 205-527-0650

## Transportation and Storage

24 hour Scheduling Hotline  
713-420-4999

Cathy Soape – Manager  
713-420-3814  
Cell – 713-922-5083

Adam Harris – Manager  
713-420-2672  
Cell – 281-389-0024

Jennifer Spiller – Manager  
713-420-5207  
Cell - 832-731-1207

Katie Cornutt – Director  
713-420-5648  
Cell - 407-902-8027

Gina Mabry – VP  
713-420-3685  
Cell – 281-744-8666

## Commercial/Marketing

Mark Wilson - Director  
713-420-7205  
Cell – 205-447-2589

Ernesto Ochoa – VP  
713-420-1734  
Cell – 281-414-3823

Kimberly Watson –  
President  
713-369-9233  
Cell – 713-204-5423

## Field Operations

Ron Miller – Director (Northeast)  
724-662-6422  
Cell – 713-829-2919

Joseph Simonsen – Director (Central)  
615-221-1513  
Cell – 928-699-0753

Chris Bradberry – Director (Southeast)  
205-325-7277  
Cell – 205-567-0777

Jess Coleman – Director (South)  
701-648-9361  
Cell – 701-648-9361

Ron Bessette– VP  
713-420-6012  
Cell – 413-313-4380

Ken Grubb –COO Gas Pipelines  
713-369-8763  
Cell – 713-702-1210





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## REGULATORY UPDATE

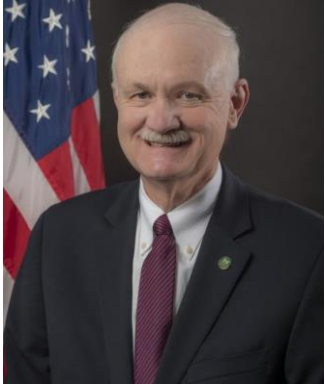
Dave Dewey  
Vice President – Regulatory Affairs

August 24, 2023



# The Federal Energy Regulatory Commission

## The Commissioners



Commissioner  
Christie



Commissioner  
Clements



Commissioner  
Danly



Chairman  
Phillips



## FERC Developments

- Chairman Glick's term expired in 2022 and he left the Commission
- No further developments on nominees for a fifth FERC Commissioner
  - Commissioner Danly's term expired June 30, 2023 – Potential for a "package deal"
    - Danly may serve until Congress adjourns at the end of 2023
    - There are whispers that Commissioner Danly may not be seeking an additional term
- One of the best four-member Commissions in the agency's history (so far)

## FERC Outreach

- We invest significant time and effort with our regulators
- We focus on being solutions oriented
- Good regulatory relationships enable us to provide increased value to our customers

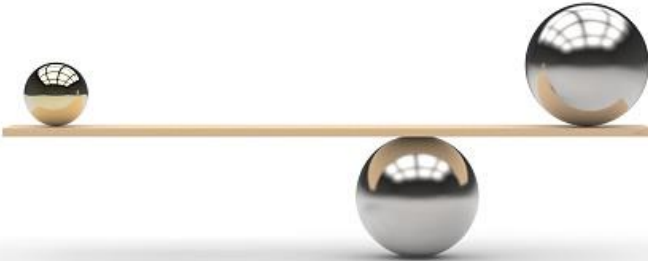
## Possible nominees for fifth FERC Commissioner

- Judy Chang – Former Undersecretary of Energy & Climate Solutions / Massachusetts Executive Office of Energy & Environmental Affairs
- Matthew Christiansen – Current FERC General Counsel
- Rick Kessler – Senior Democratic adviser for the House Energy and Commerce Committee

# Rebalancing the Value Proposition

## Certificating Transportation Infrastructure

- September 1999 – FERC issues certificate policy statement to provide industry certainty
  - Works flawlessly for almost two decades
- February 2018 – FERC decides it wants to revisit its certificate policy statement
- February 2022 - Updated Certificate Policy Statement and Interim GHG Policy Statement
  - New policy statement is essentially a balancing test with a heightened emphasis on (1) **need**, (2) analyzing **adverse effects**, and (3) **environmental justice**
  - Project sponsors are responsible for avoiding direct and indirect impacts to the greatest extent possible
- March 2022 – Converted the new policy statements to **drafts**



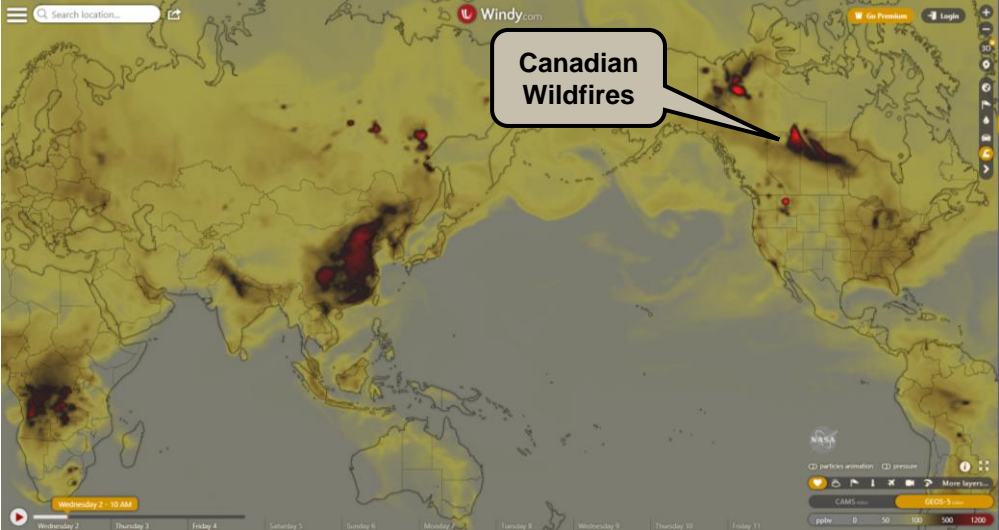
## Creating Services Customers Need

- Renewable Energy = Intermittency
  - Solutions to Intermittency → Storage, Hourly Services
- FERC’s 2nd New England Winter Gas-Electric Forum (June 20, 2023)
  - Highlighted deep divisions in policymakers’ and stakeholders’ views on energy

## Envisioning Services Customers Want

- How can we help you to meet your reduced carbon intensity goals & mandates?
  - Certifying the pipeline
  - Reducing the carbon intensity of the transportation path
- How do we unlock the value proposition?

## CO<sub>2</sub> Emissions Map



**What problem are we trying to solve?**

# Environmental Justice

## Roundtable on Environmental Justice and Equity in Infrastructure Permitting

- On March 29, 2023, the FERC held a Commissioner-led roundtable to discuss environmental justice and equity in its jurisdictional infrastructure permitting processes
  - Panel 1: Priorities for Advancing Environmental Justice and Equity in Infrastructure Permitting
  - Panel 2: From the Front-Line: Impacted Communities and their Everyday Challenges
  - Panel 3: Identifying, Avoiding, and Addressing Environmental Justice Impacts
  - Kinder Morgan participated on Panel 3
- Some calls to block pipeline infrastructure solely on the basis of environmental justice
- Chairman Phillips encouraged all the feedback but cautioned that FERC has to act within the law and said a lot what was raised is “nonjurisdictional.”
  - *“We have to approve things that are brought to us and fit within that law”* and FERC’s precedents, he said. *“That is a part of the job of FERC whether you like it or not.”*

## Responsible Infrastructure Development Is Imperative

- The industry has always been a good neighbor
- There are opportunities for us to be even better



## Mountain Valley Pipeline

- October 2015 – Certificate application filed
- October 2017 – FERC certificate issued
- Early-2018 – Construction began (projected in-service late-2019)
- 2018-2023 – Multiple judicial appeals & stays (primarily 4<sup>th</sup> Circuit Court of Appeals)
- July 27, 2023 – U.S. Supreme Court paves the way for completion of the project
- Did the Mountain Valley Pipeline Project truly affront environmental justice in the region?

# General Legislative/Regulatory Developments

## Lower Energy Costs Act

- On March 30, 2023, the House of Representatives approved by a bipartisan vote H.R. 1, the Lower Energy Costs Act → First major legislative initiative in the 118<sup>th</sup> Congress
- Possesses the ability to improve federal permitting processes for interstate natural gas pipelines, as well as other energy infrastructure projects.
- Clarifies the scope of an agency's National Environmental Policy Act (NEPA) analyses on proposed projects and its focus on feasible alternatives
- Strengthens the FERC's primary permitting role on natural gas infrastructure
- Recognizes the export of natural gas as being in the public interest
- Unlikely to pass in the Senate

## Good Neighbor Rule

- Environmental Protection Agency (EPA) rule promulgated on March 15, 2023
  - Aimed at significantly reducing smog-forming nitrogen oxide pollution from power plants and other industrial facilities in 23 states
  - Also includes natural gas pipeline compressor stations
  - The rule as currently written requires compliance by May 1, 2026
- Cost of compliance for Kinder Morgan and Tennessee is material
- Tennessee has ~200 units impacted by the Rule
- Actual compliance timeline projected to extend to more than 6 years
- Litigation has been commenced by Kinder Morgan, INGAA, and numerous other parties





# What's on the Horizon?

## Certainty & Stability

- Aiming for a new settlement and moratorium to afford customers, shippers, and Tennessee a renewed period of regulatory certainty and stability
- Certainty and stability provides stakeholders an opportune window of time to collaborate on future needs

## Political Challenges

- The climate in Washington, DC is presenting headwinds for the natural gas and fossil fuels industries

## Opportunities

- The challenges presented by the winter of 2013-2014 (one of the coldest on record), the Polar Vortex (2019), Winter Storm Uri (2021), and Winter Storm Elliott (2022) demonstrate the need for natural gas and reliable transportation/storage infrastructure
- Americans are embracing renewable energy
  - 67% of U.S. adults prioritize...
    - developing alternative energy sources, such as wind and solar, over expanding the production of oil, coal and natural gas
    - taking steps to become carbon neutral by 2050
  - At the expense of affordability? Reliability?
    - The Institute for Energy Research estimates that wind power is about twice as expensive as conventional gas-fired power, and that solar power is almost three times as expensive



## Path toward Solutions

- How can we collaborate to shape the views of policymakers (particularly at the state level)?
- How can we tailor services to better meet your needs?