



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Southern Natural Gas Shipper Meeting

September 14-15, 2022

Doubletree by Hilton Birmingham Perimeter Park
Birmingham, AL





Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Welcome and Opening Remarks

Carl Haga

Vice President Commercial and Business Development

SNB Shipper Meeting

Birmingham, AL ▪ September 14 – 15, 2022

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

General – The information contained in this presentation does not purport to be all-inclusive or to contain all information that prospective investors may require. Prospective investors are encouraged to conduct their own analysis and review of information contained in this presentation as well as important additional information through the Securities and Exchange Commission’s (“SEC”) EDGAR system at www.sec.gov and on our website at www.kindermorgan.com.

Policies and Procedures – This presentation includes descriptions of our vision, mission and values and various policies, standards, procedures, processes, systems, programs, initiatives, assessments, technologies, practices, and similar measures related to our operations and compliance systems (“Policies and Procedures”). References to Policies and Procedures in this presentation do not represent guarantees or promises about their efficacy, or any assurance that such measures will apply in every case, as there may be exigent circumstances, factors, or considerations that may cause implementation of other measures or exceptions in specific instances.

Forward-Looking Statements – This presentation includes forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995 and Section 21E of the Securities Exchange Act of 1934 (“Exchange Act”). Forward-looking statements include any statement that does not relate strictly to historical or current facts and include statements accompanied by or using words such as “anticipate,” “believe,” “intend,” “plan,” “projection,” “forecast,” “strategy,” “outlook,” “continue,” “estimate,” “expect,” “may,” “will,” “shall,” and “long-term”. In particular, statements, express or implied, concerning future actions, conditions or events, including our Policies and Procedures and their efficacy, long term demand for our assets and services, energy-transition related opportunities, including opportunities related to alternative energy sources, future operating results or the ability to generate revenues, income or cash flow or to pay dividends are forward-looking statements. Forward-looking statements are not guarantees of performance. They involve risks, uncertainties and assumptions. There is no assurance that any of the actions, events or results of the forward-looking statements will occur, or if any of them do, what impact they will have on our results of operations or financial condition. Because of these uncertainties, you are cautioned not to put undue reliance on any forward-looking statement. We disclaim any obligation, other than as required by applicable law, to publicly update or revise any of our forward-looking statements to reflect future events or developments.

Future actions, conditions or events and future results of operations may differ materially from those expressed in these forward-looking statements. Many of the factors that will determine these results are beyond our ability to control or predict. These statements are necessarily based upon various assumptions involving judgments with respect to the future, including, among others; commodity prices, including prices for Renewable Identification Numbers under the U.S. Environmental Protection Agency’s Renewable Fuel Standard Program; the timing and extent of changes in the supply of and demand for the products we transport and handle; national, international, regional and local economic, competitive, political and regulatory conditions and developments; the timing and success of business development efforts; the timing, cost, and success of expansion projects; technological developments; the condition of capital and credit markets; inflation rates; interest rates; the political and economic stability of oil-producing nations; energy markets; federal, state or local income tax legislation; weather conditions; environmental conditions; business, regulatory and legal decisions; terrorism; cyber-attacks; and other uncertainties. Important factors that could cause actual results to differ materially from those expressed in or implied by forward-looking statements include risks and uncertainties described in this presentation and in our Annual Report on Form 10-K for the year ended December 31, 2021 and our subsequent reports filed with the SEC (under the headings “Risk Factors,” “Information Regarding Forward-Looking Statements” and elsewhere). These reports are available through the SEC’s EDGAR system at www.sec.gov and on our website at www.kindermorgan.com.

GAAP – Unless otherwise stated, all historical and estimated future financial and other information included in this presentation have been prepared in accordance with generally accepted accounting principles in the United States (“GAAP”).

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.

Meeting Schedule

Wednesday, September 14, 2022

12:00 PM – 1:00 PM	Lunch		Daffodil Foyer
1:00 PM – 1:15 PM	Opening Remarks	Carl Haga	Magnolia 1, 2, 3
1:15 PM – 2:15 PM	SNG Pipeline Operations Review	Reese Hart	Magnolia 1, 2,3
2:15PM – 2:30 PM	Break		Daffodil Foyer
2:30 PM – 3:00 PM	Scheduling Update	Katie Cornutt	Magnolia 1, 2, 3
3:00 PM – 3:30 PM	Business Development Update	Devy Traylor	Magnolia 1, 2, 3
3:30 PM – 4:00 PM	Regulatory Changes Impacting Pipeline Maintenance	Chris Bradberry	Magnolia 1, 2, 3

Thursday, September 15, 2022

7:00 AM – 8:00 AM	Breakfast		Daffodil Foyer
8:00 AM – 8:15 AM	Opening Remarks	Carl Haga	Magnolia 1, 2, 3
8:15 AM – 9:30 AM	Natural Gas Is Part of the Solution to Climate Change	Bill Cantrell	Magnolia 1, 2, 3
9:30 AM – 10:00 AM	Regulatory Update	Dave Dewey	Magnolia 1, 2, 3

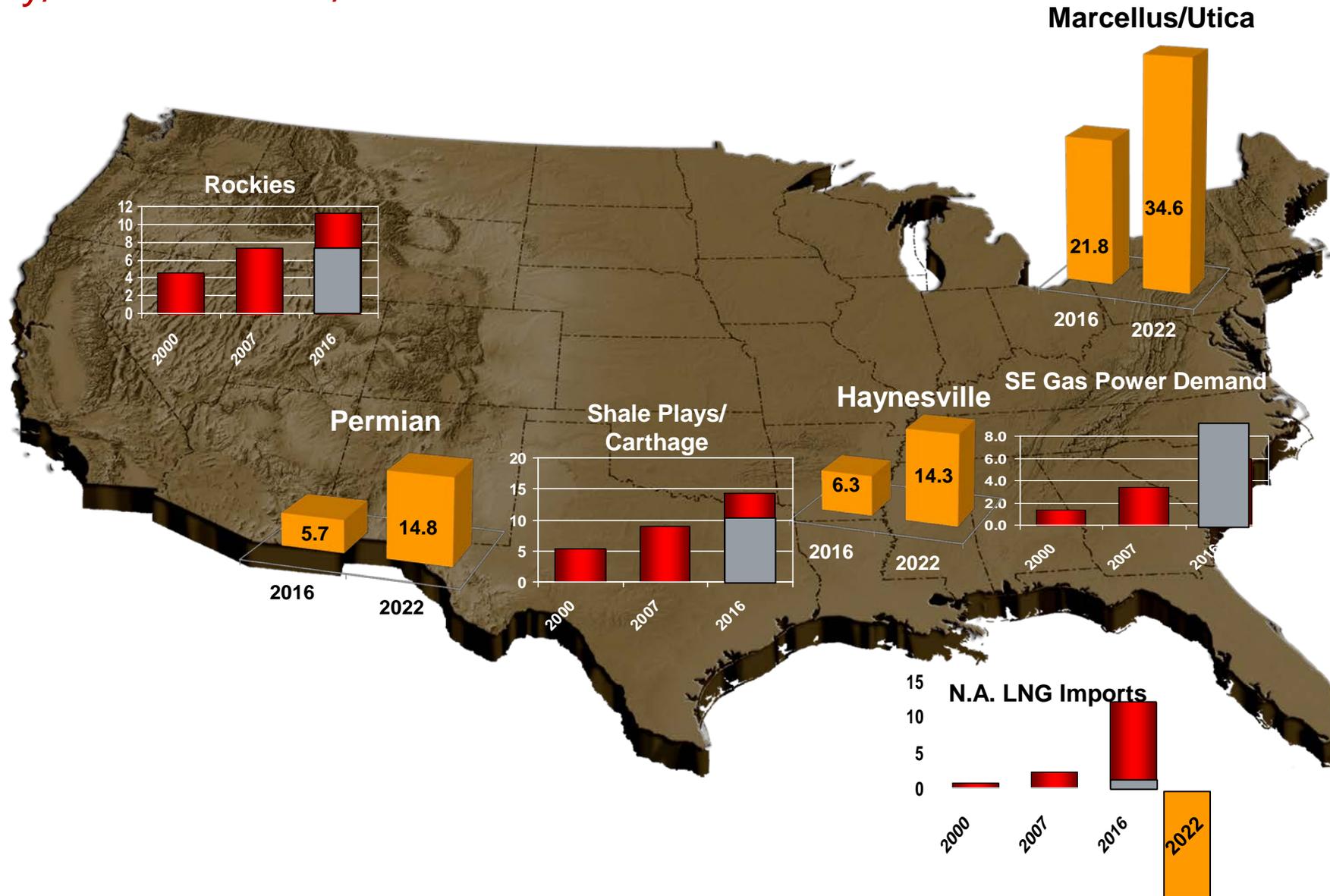
1. Peak day and utilization

	2022	2007	% Var
Winter Peak Day	12/20/2021 = 4.15 MMDth	01/29/2007 = 3.65 MMDth	13.7%
Winter Average Daily Deliveries	Nov – Mar = 3.03 MMDth	Nov – Mar = 2.08 MMDth	45.7%
Winter Utilization	78%	55%	41.8%
Summer Peak Day	07/06/2022 = 3.81 MMDth	08/08/2007 = 3.13 MMDth	21.7%
Summer Average Daily Deliveries	May – Aug = 3.24 MMDth	May – Aug = 2.12 MMDth	52.8%
Summer Utilization	83%	56%	48.2%

2. Increased integrity requirements

3. Different supply dynamics

2007 Gas Basin and Supply Recalibration in the U.S. Gas Supply/Demand – Bcf/d



1. Peak day and utilization

	2022	2007	% Var
Winter Peak Day	12/20/2021 = 4.15 MMDth	01/29/2007 = 3.65 MMDth	13.7%
Winter Average Daily Deliveries	Nov – Mar = 3.03 MMDth	Nov – Mar = 2.08 MMDth	45.7%
Winter Utilization	78%	55%	41.8%
Summer Peak Day	07/06/2022 = 3.81 MMDth	08/08/2007 = 3.13 MMDth	21.7%
Summer Average Daily Deliveries	May – Aug = 3.24 MMDth	May – Aug = 2.12 MMDth	52.8%
Summer Utilization	83%	56%	48.2%

2. Increased integrity requirements

3. Different supply dynamics

4. Connectivity with other pipes

Year	Zone 0	Zone 1	Zone 2	Zone 3
2008	\$4.64	\$5.23	\$8.25	\$10.94
2022	\$4.67	\$5.28	\$7.90	\$10.46

5. Rates



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

SNG Pipeline Operations Review

Reese Hart

Manager, SNG Gas Control

SNG Shipper Meeting

Birmingham, AL ▪ September 14 – 15, 2022

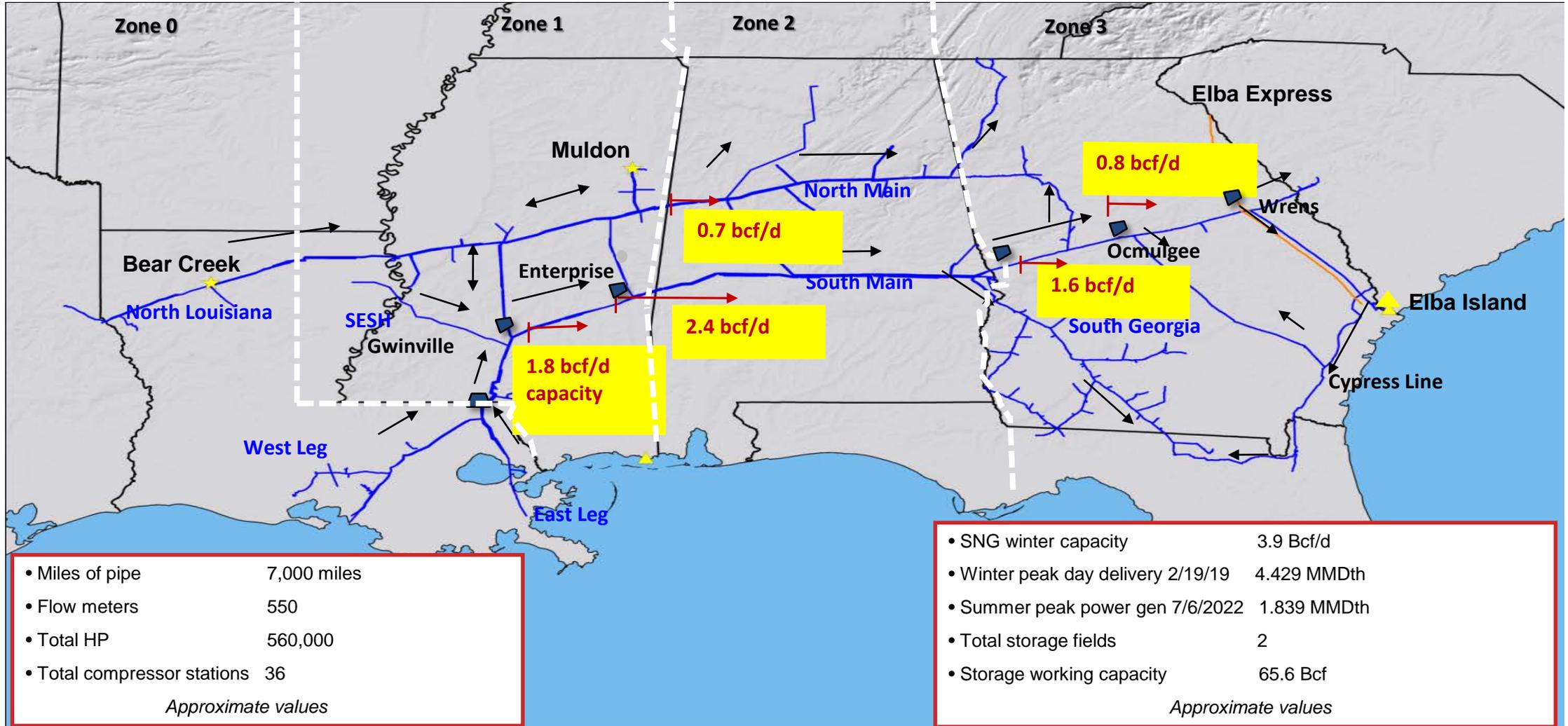
Agenda



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

- System and Transportation Overview
- Summer 2022
 - South Main Line Rupture PHMSA Corrective Action Order
 - Overview
- Winter 2021-2022
 - Overview
 - Operational Flow Orders
- Maintenance Update
- Getting Ready for Winter 2022-2023

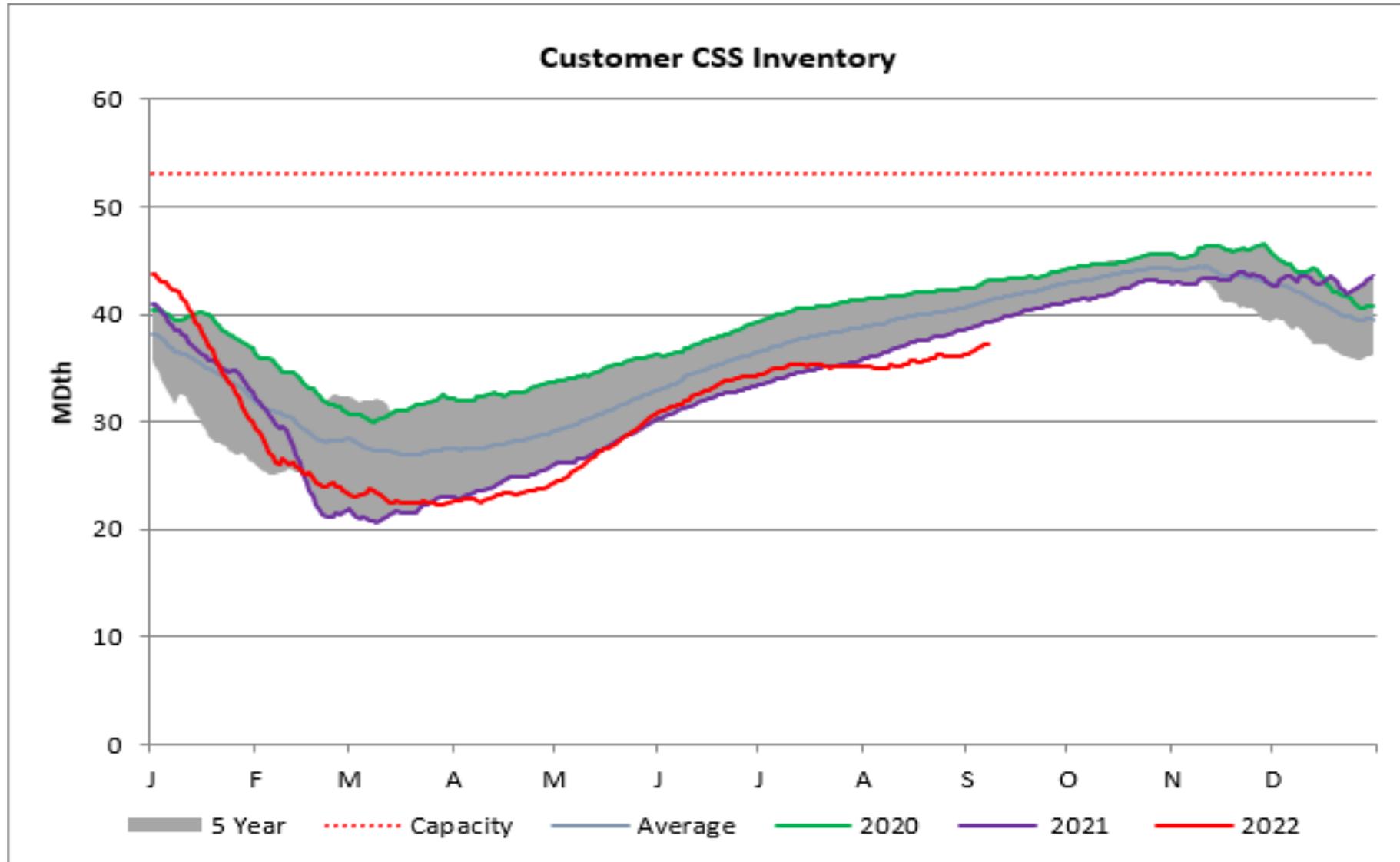
SNG System Overview



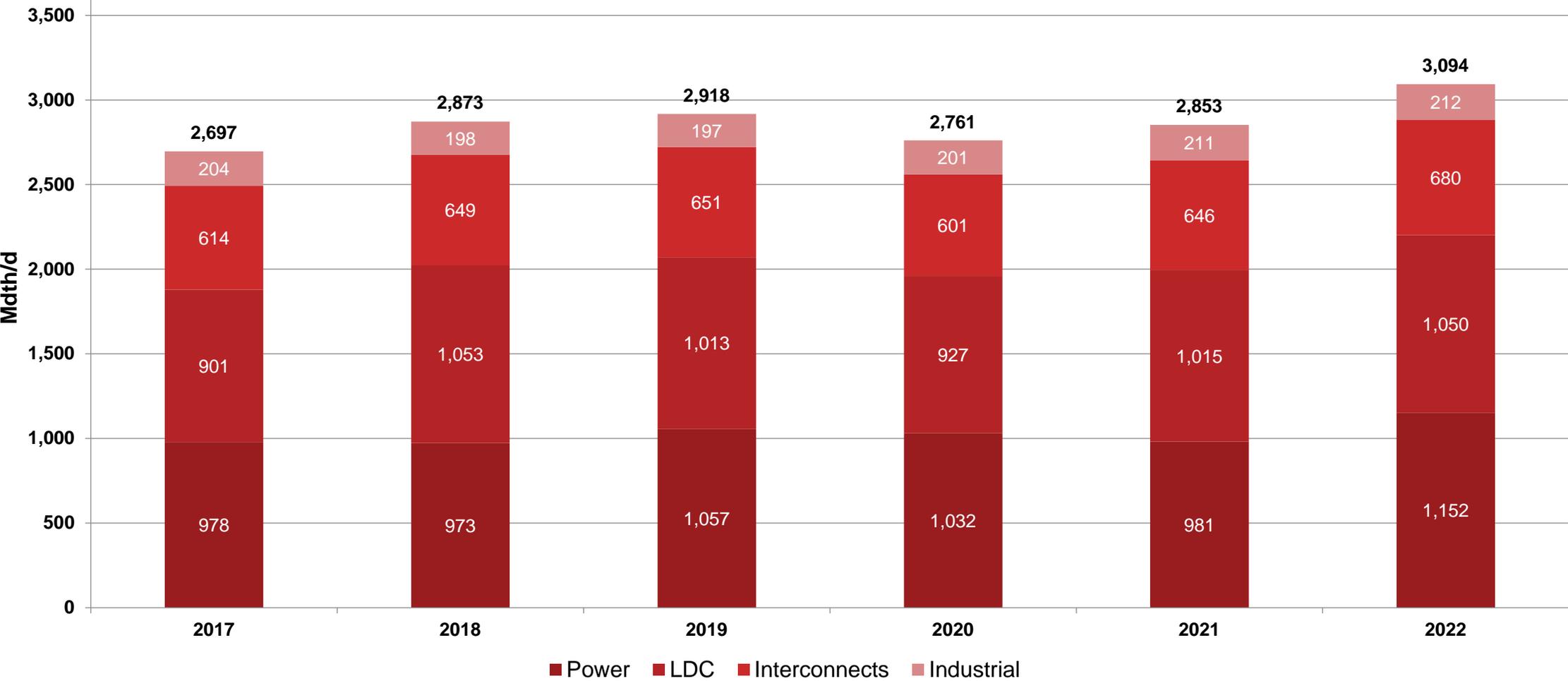
2022 Transportation YTD August 31

- 2022 Transport Summary
 - Power Generation markets are up 17% from 2021
 - New power generation record on 07/06/22 - 1.839 MMDth
 - Higher gas prices
 - Driven primarily by events overseas, political environment, coal shortages, long haul more prevalent.
 - Total System Deliveries averaged 3,094 MDth/d
 - Up 8.4% over 2021
 - Storage totals are lower and filling slowly
 - South Main Line Rupture and delivery challenges during record demand

CSS Storage Inventory



Average Daily Deliveries



Year on Year Deliveries Aug YTD

	<u>2022 YTD</u> <u>August</u>	<u>2021 YTD</u> <u>August</u>	<u>% Change</u>
LDC	1,050	1,015	+3.4%
Power	1,152	981	+17.4%
Industrial	212	211	+0.5%
Interconnects	680	646	+5.3%
TOTAL	3,094	2,853	+8.4%



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Summer 2022

South Main Line Rupture

February 2022



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

High south system capacity impact.

PHMSA Corrective Action Order.

Over 208 miles of pipe affected by Order.

Had to decide whether to operate system at lower pressure or take line out of service.

Affected capacity from Gwinville to Elmore.

Very difficult operating system.

Limited ability to “reload” system.

More OFOs needed to protect system integrity.

Did not cut firm or in path gas during duration of outage.

Demand very high during June and July. Records set for power generation.

2022 Summer Overview

- SNG’s facility performance was good during hot weather.
 - Compressor stations were staffed as needed during maintenance projects.
 - East end supply early helped deliveries during corrective action order and waned later as pricing rose.
 - Extremely challenging with 208 miles of South Main Line out of service due to corrective action order.
- Record power generation
- 2022 Summer vs 2021 Summer
 - 2022 had higher temperatures and a longer duration up to 17.6% from 2021.
 - 2022 Summer ranks 11th warmest out of the past 30 years with a total of 1,632 CDDs.
 - 2021 had milder temperatures than 2022.
- Storage levels are filling slower than 2021. Storage facilities are performing well.

2022 Summer Throughput

- Total System Deliveries averaged 3,236 MDth/d
 - 452 MDth/d increase over 2021 summer
- Peak power generation days for 2022
 - 07/06/22 1,839 MDth
 - 06/23/22 1,806 MDth
 - 07/07/22 1,787 MDth
- SNG set several power demand records this summer
 - 4 out of top 5 days
 - 6 out of top 10 days
 - 12 out of top 20 days
- Power Generation increase
 - Warmer than average summer
 - Coal supply
 - Green initiatives

2022 Summer Overview

Month	Throughput Comparison to Same Month Previous Year	No. of Type 3 OFO Days	Weather
May 2022	44% higher	0	Much warmer
June 2022	23% higher	9	Warmer
July 2022	27% higher	18	Warmer
August 2022	4% lower	0	Cooler

Type 3 OFO Summer Count

April- August

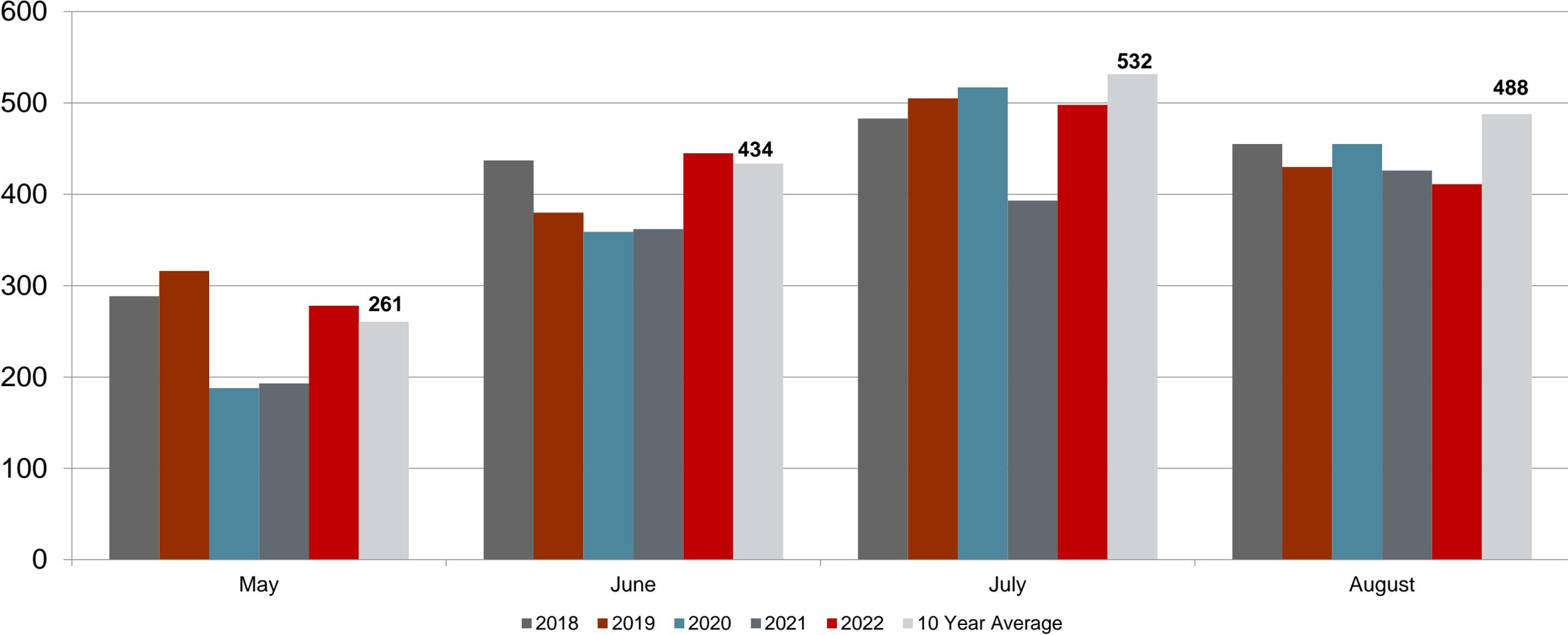
	2018	2019	2020	2021	2022
Type 3 Level 1	5	0	0	3	0
Type 3 Level 2	0	0	0	0	27
Type 3 Level 3	0	0	0	3	0
Total	5	0	0	6	27

OFOs are not based on weather alone. Capacity restrictions, current operating restrictions, current customer behavior, outages (both compression and pipeline) affect OFO probability.

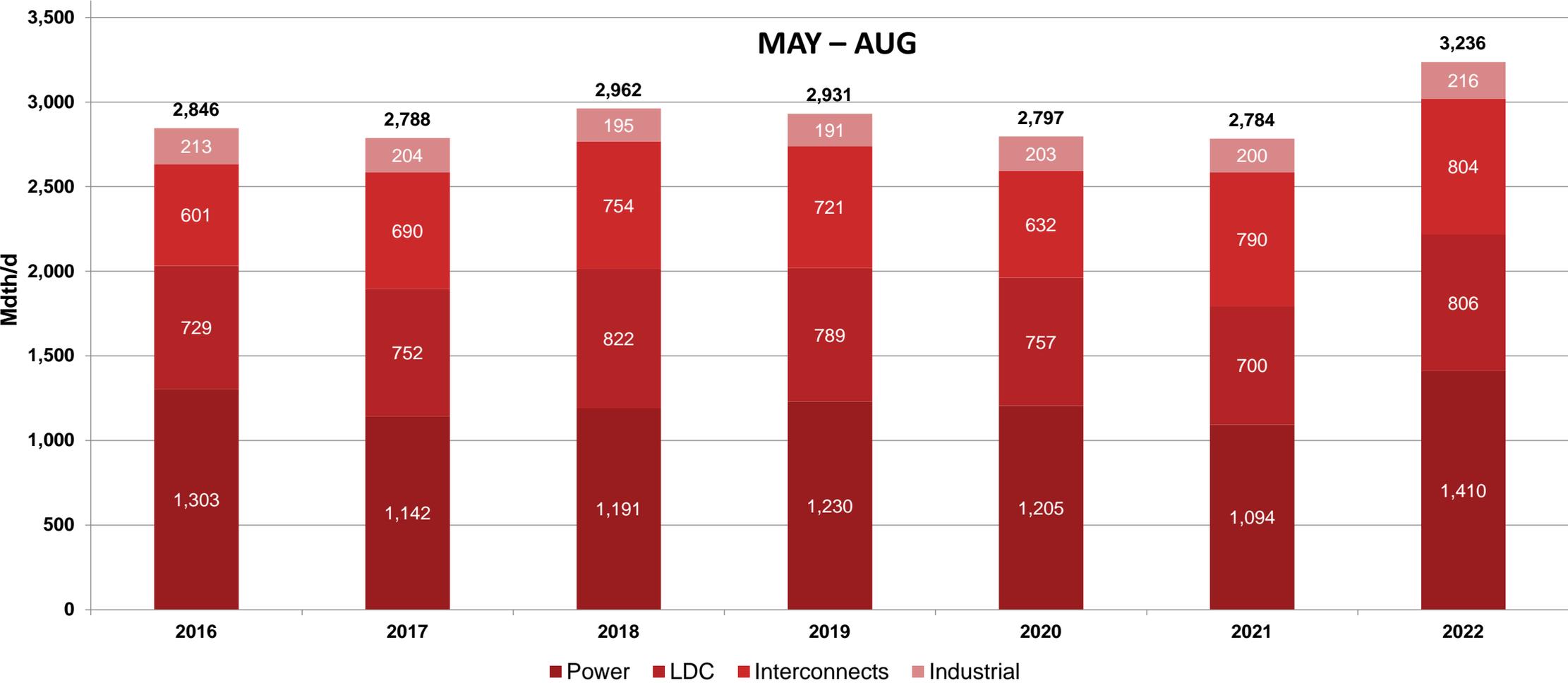
Corrective Action Order was a major contributor to OFOs implemented in 2022.

SNG does not use a standard mean temperature to determine the need for OFOs.

Summer Cooling Degree Days (CDDs) 2018 - 2022



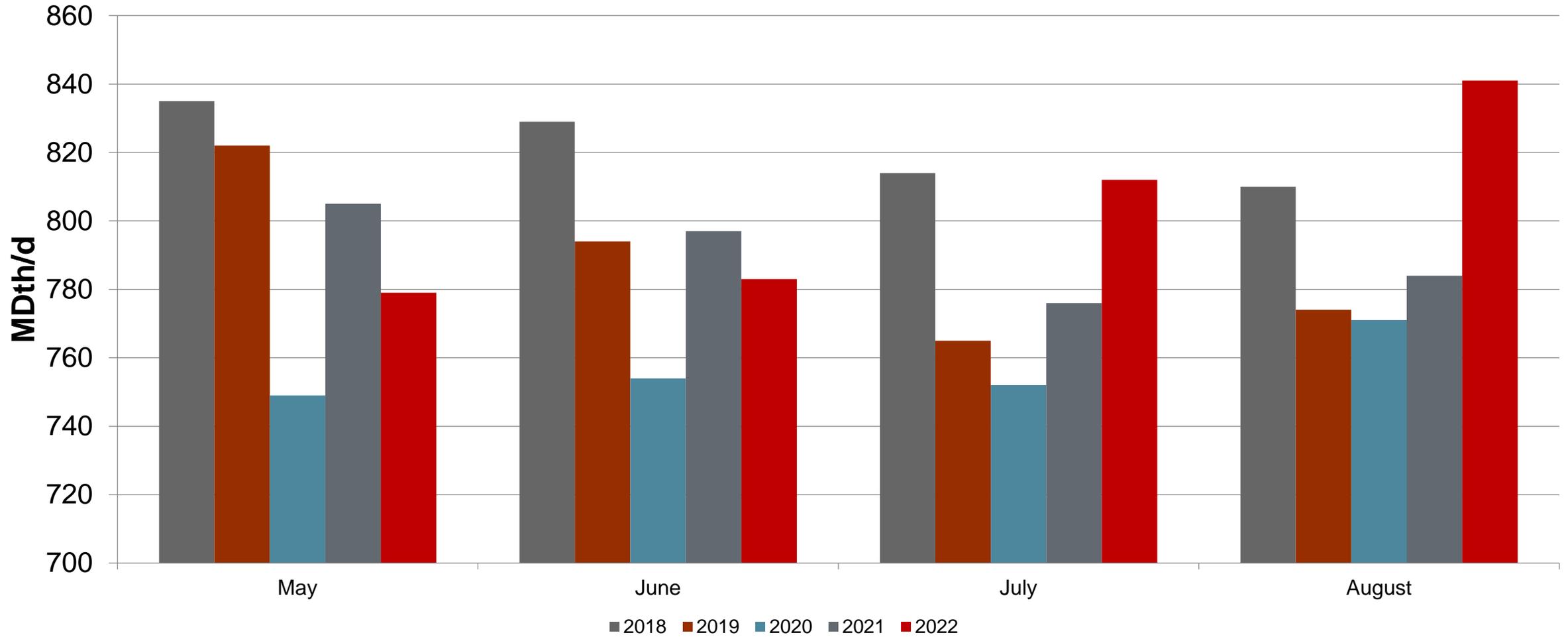
Average Daily Deliveries



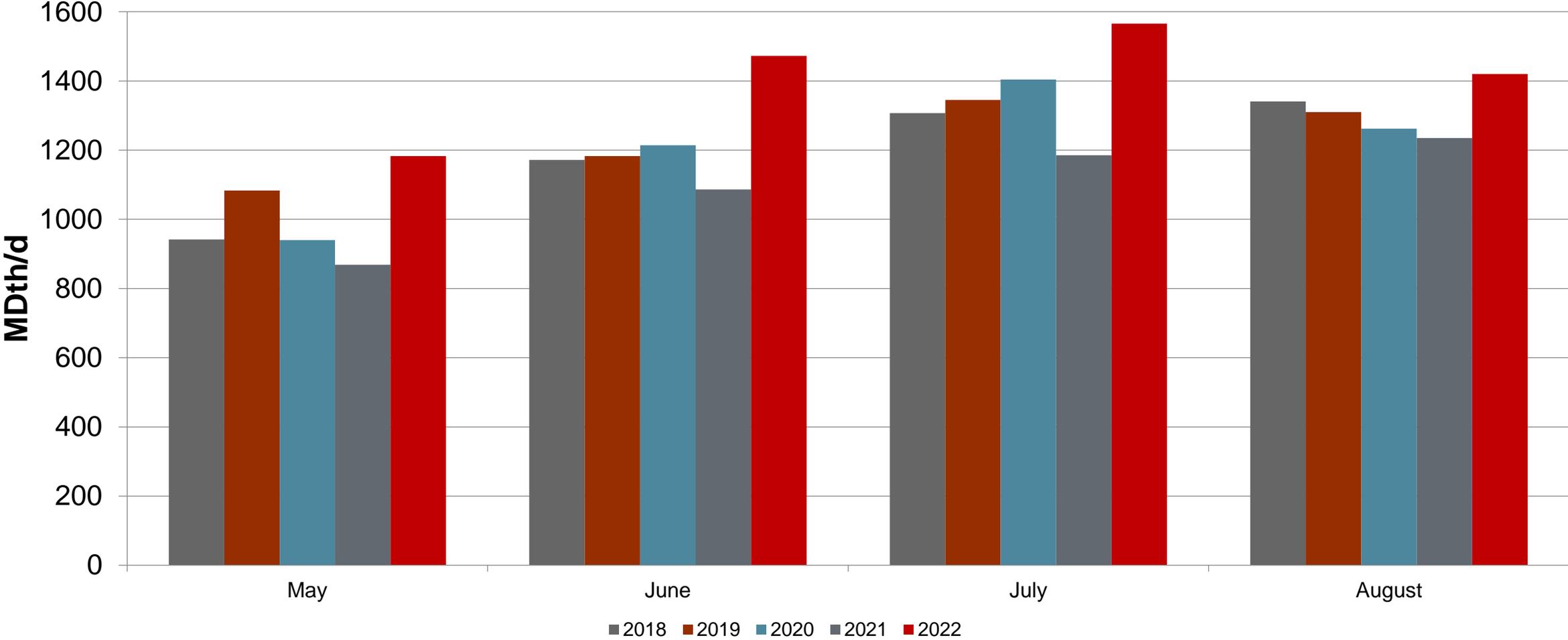
Summer Year on Year Throughput

	<u>2022</u> <u>May - Aug</u>	<u>2021</u> <u>May - Aug</u>	<u>% Change</u>
LDC	804	790	+1.8%
Power	1,410	1,094	+28.9%
Industrial	216	200	+8.0%
Interconnects	806	700	+15.1%
TOTAL	3,236	2,784	+16.2%

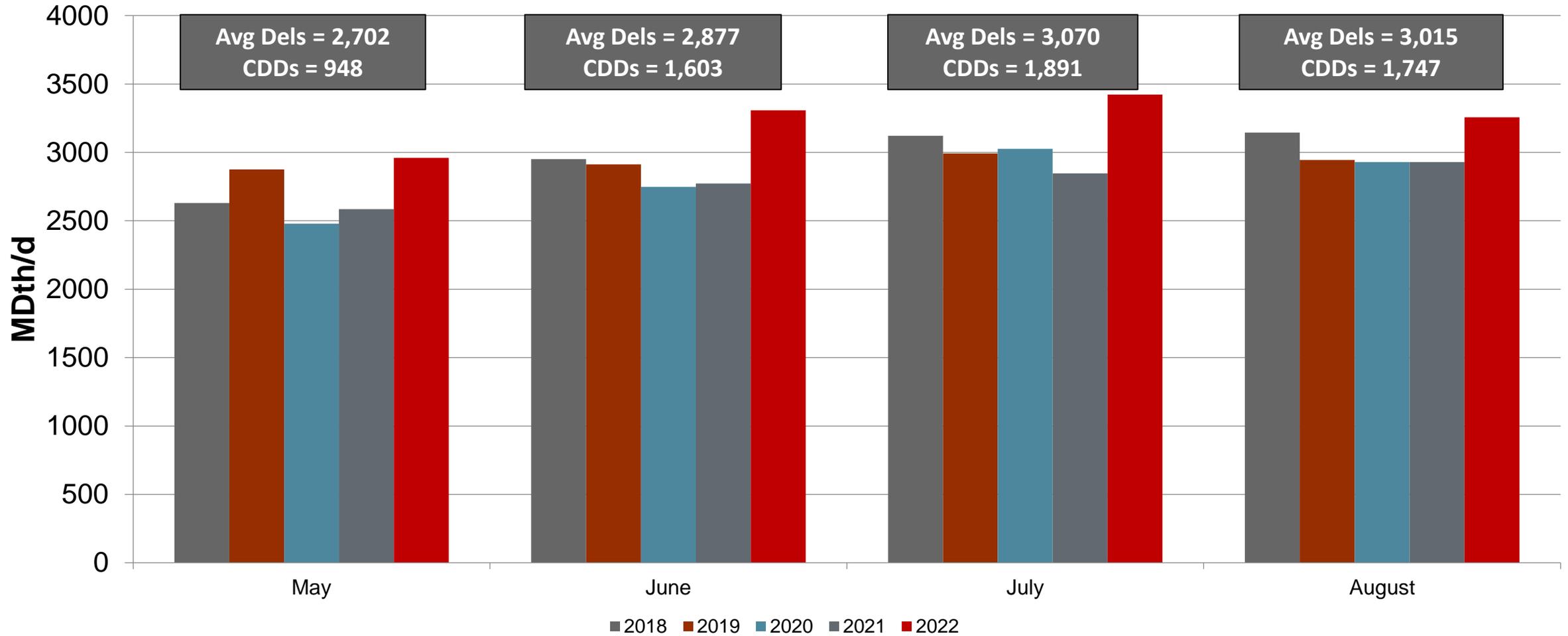
Summer Average Daily LDC Demand



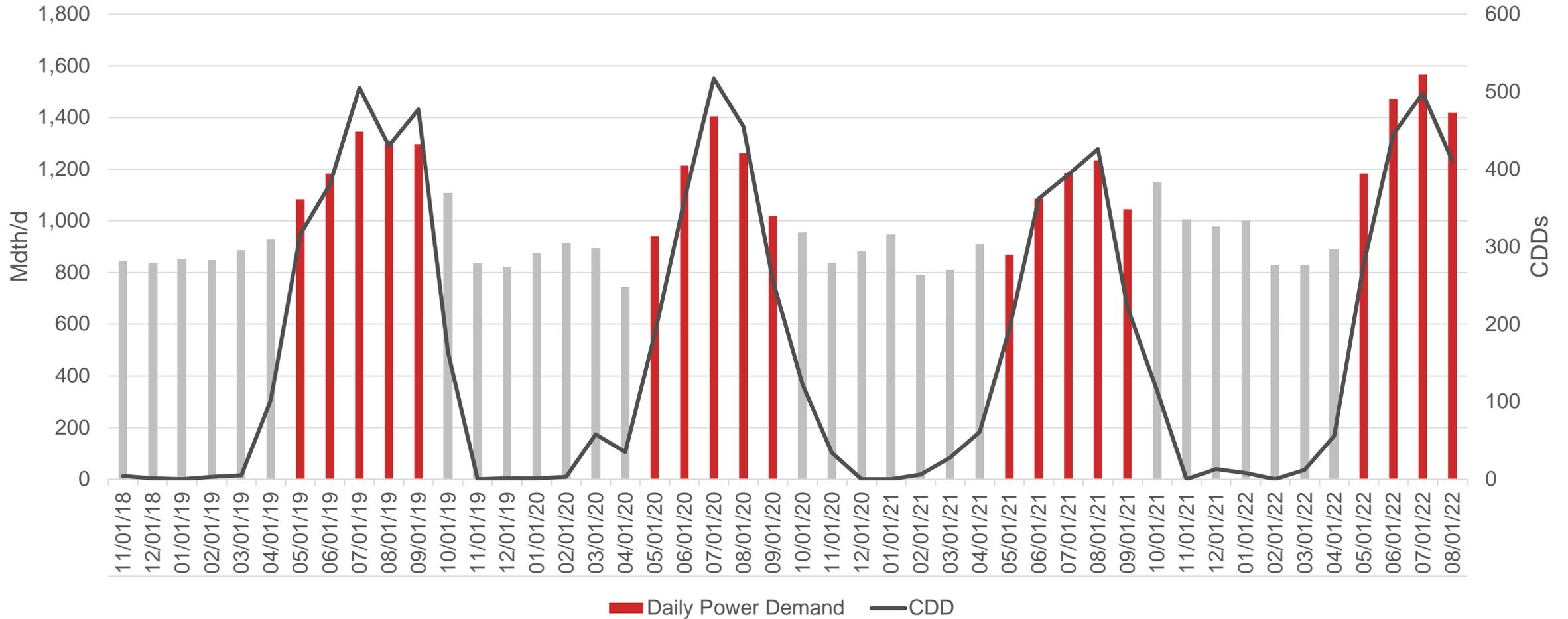
Summer Average Daily Power Demand



Summer Deliveries By Year



Power Generation in the Summer Has a Strong Correlation to Weather





Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

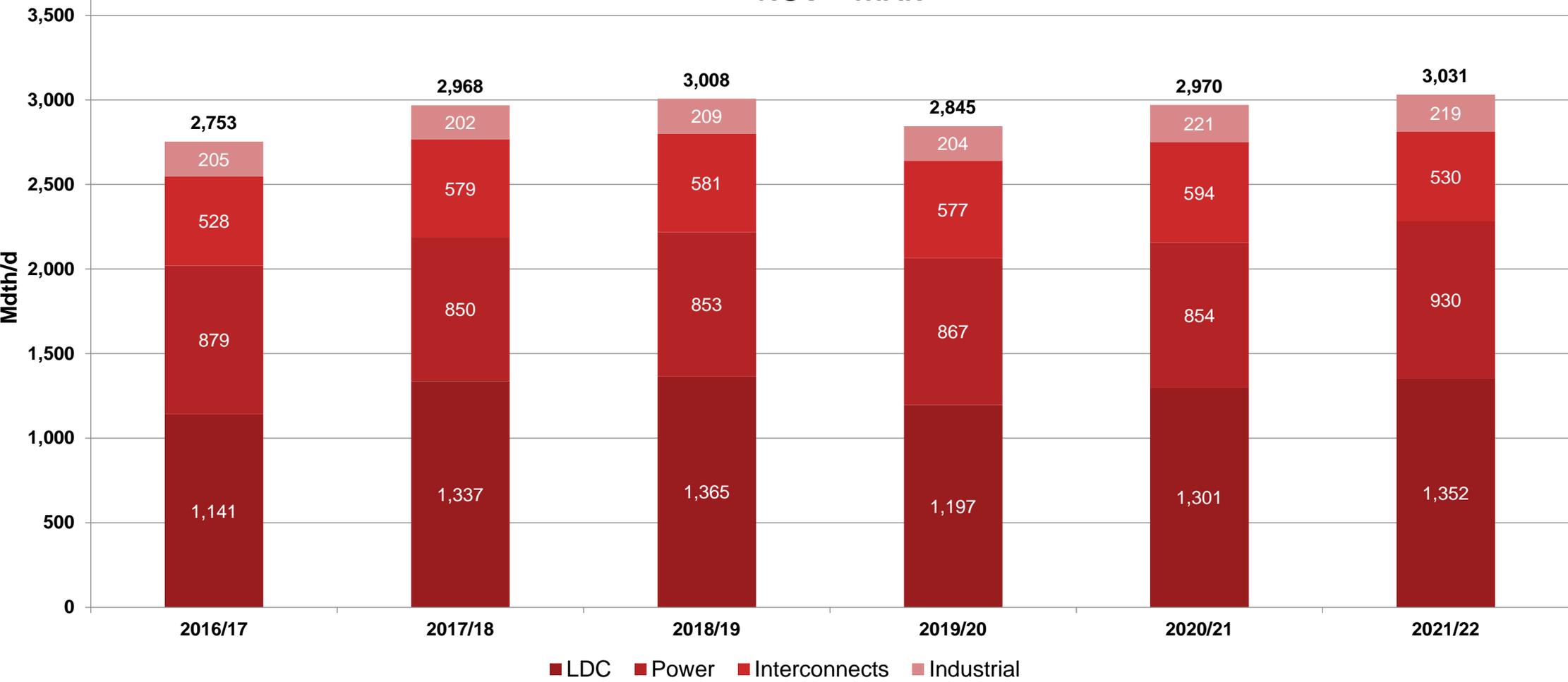
Winter Review 2021-2022

Winter Review

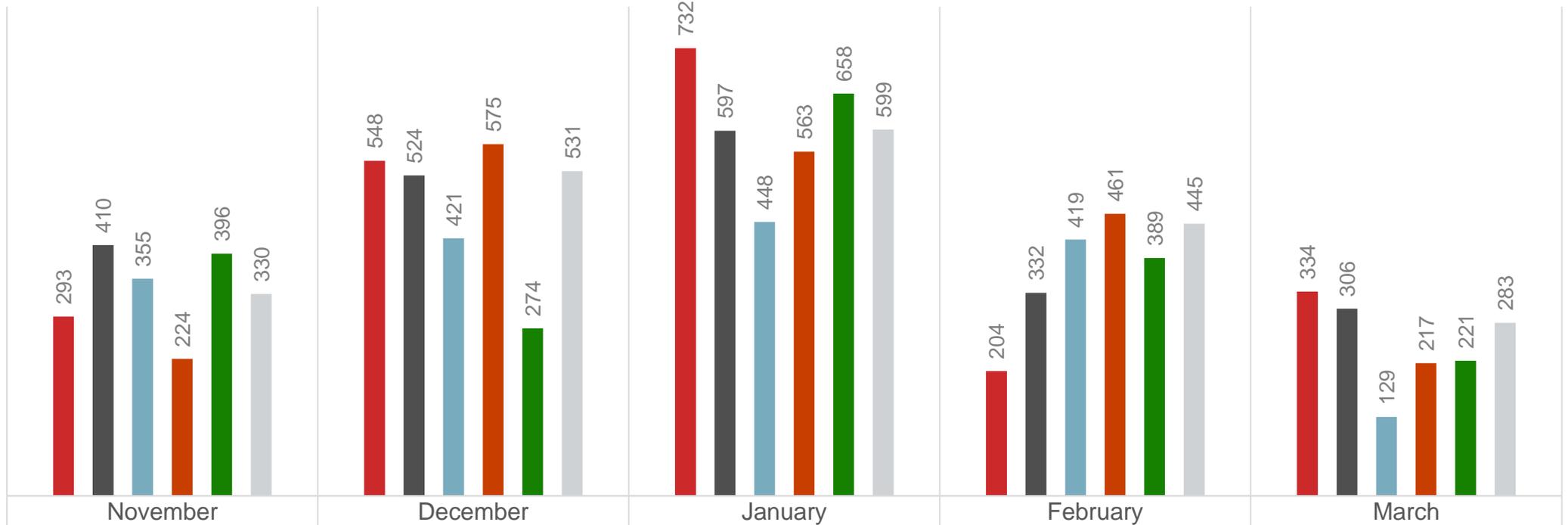
- SNG’s facilities performed well during this winter.
 - Compressor stations staffed 24x7 as needed.
 - Horsepower reliability was very good.
- Overall average winter with milder temperatures.
- Storage assets were heavily utilized. Extended customer withdrawals through March.
- Where does Winter 2021-2022 rank?
 - Peak Winter Day was 12/20/21 - 4.069 MMdth; Ranks 12th among all-time winter days.
 - Winter 2021-2022 ranked 25th out of the last 30 winters with a total of 2,011 HDDs.

Winter Average Daily Deliveries

NOV – MAR

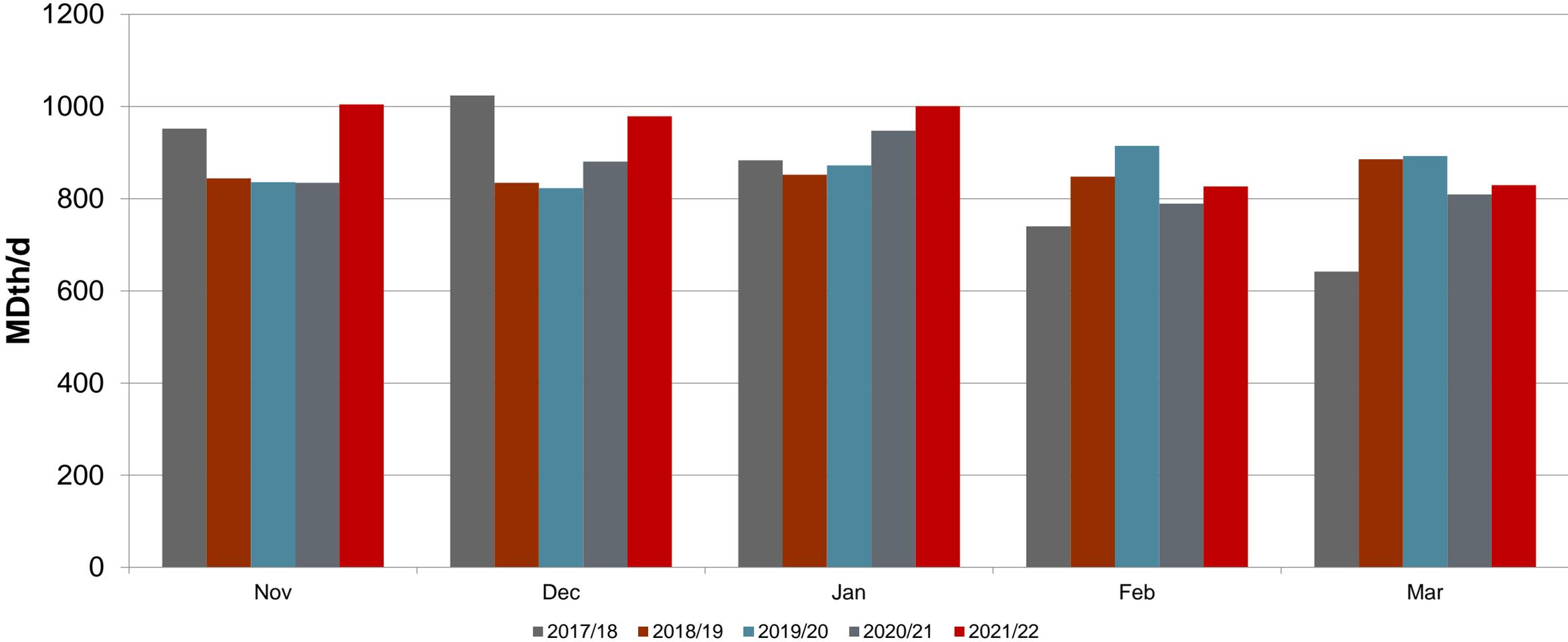


Winter Heating Degree Days (HDDs) 2017/18 – 2021/22

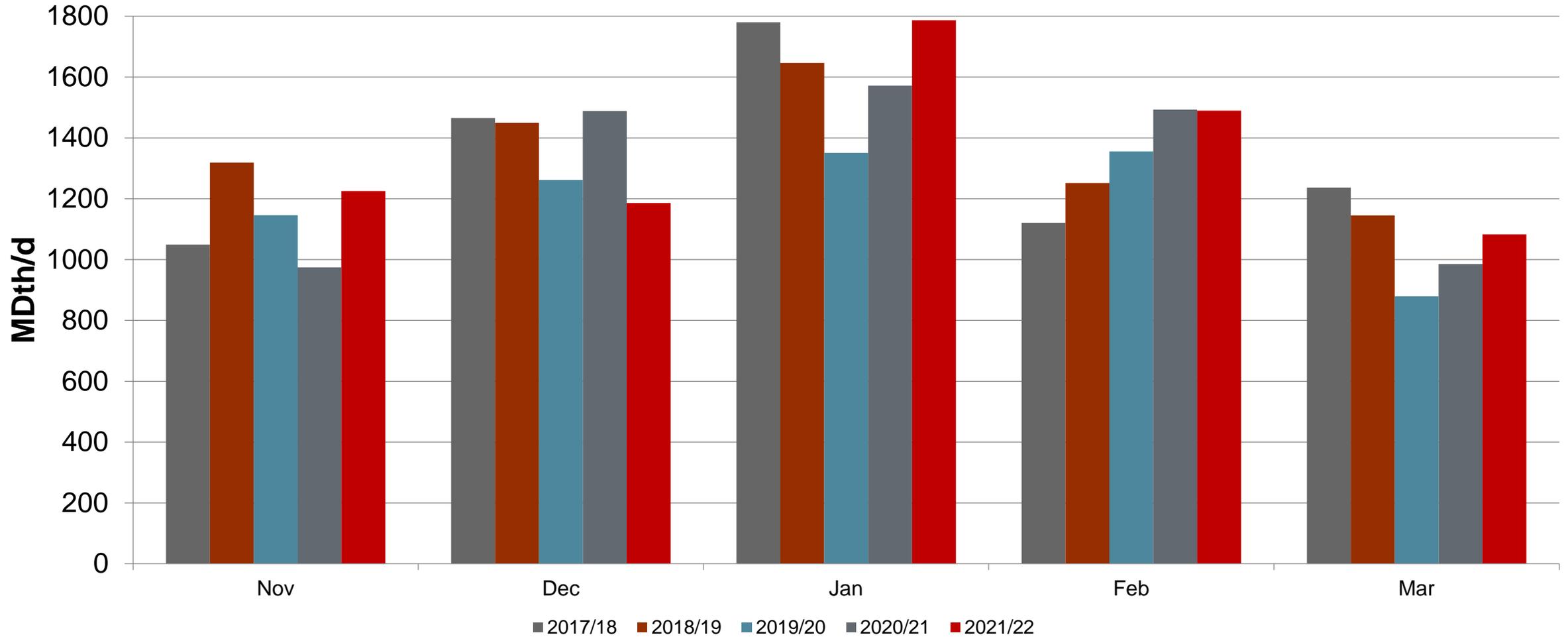


■ 2017/18	293	548	732	204	334
■ 2018/19	410	524	597	332	306
■ 2019/20	355	421	448	419	129
■ 2020/21	224	575	563	461	217
■ 2021/22	396	274	658	389	221
■ 30 Year Average	330	531	599	445	283

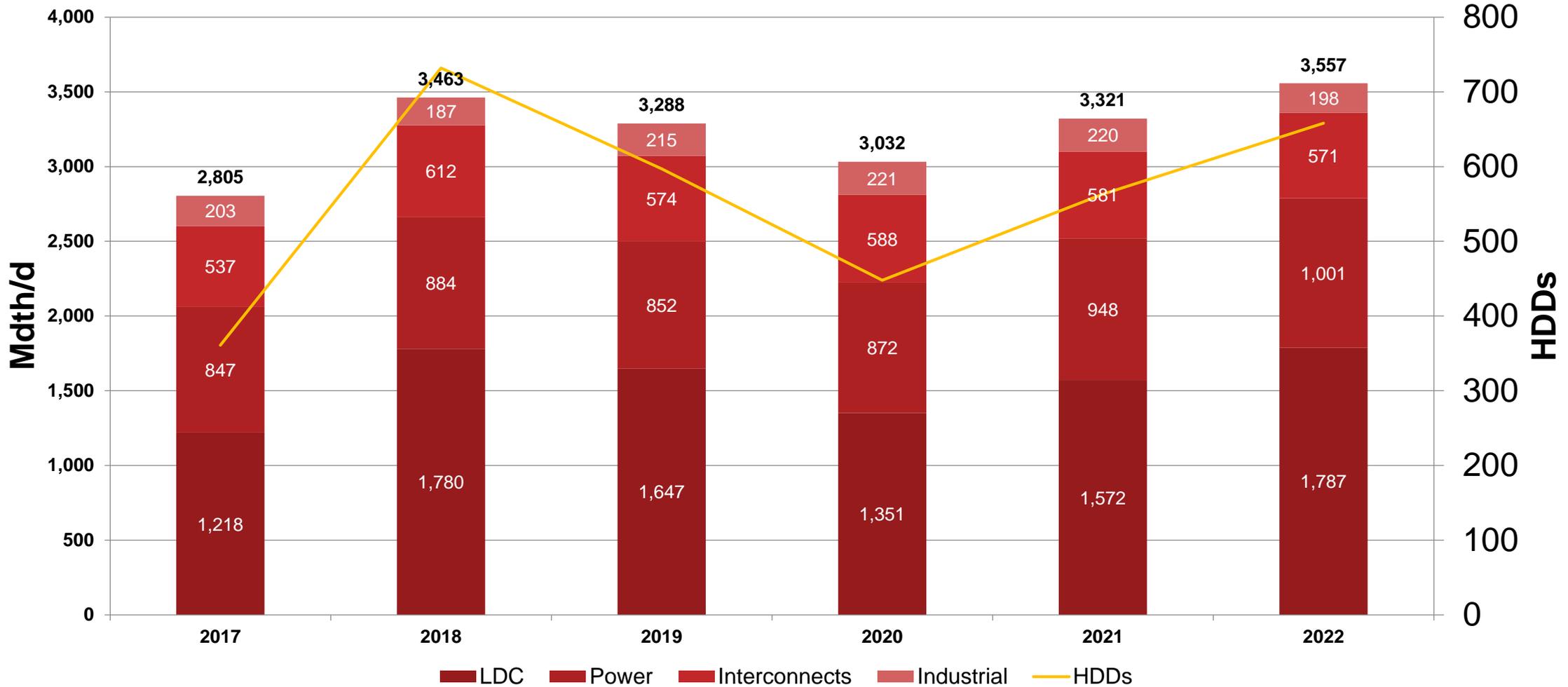
Winter Average Daily Power Demand



Winter Average Daily LDC Demand



Average January Daily Deliveries 2017 - 2022



Type 3 OFO Winter Count

November- March



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Type 3 Level 1	2	25	14	26	10
Type 3 Level 2	36	10	9	11	29
Total	38	35	23	37	39



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Maintenance Update

Maintenance Planning Activities O&M and Emergent

Maintenance activities are either budgeted O&M, Integrity, Compliance driven, or Emergent in nature.

580 projects have been scheduled and completed so far this year, with another 200 that are scheduled and to be completed before the end of the year. Others projects may be added due to emergent issues or additional required integrity work.

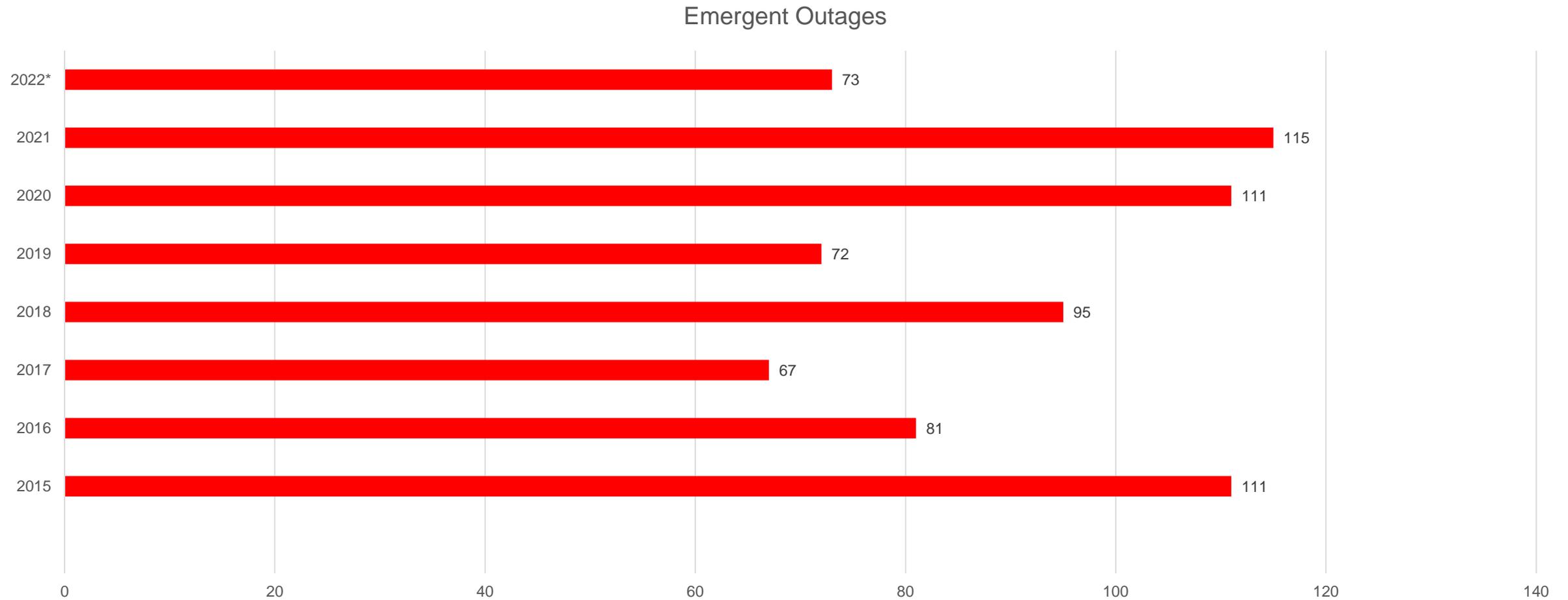
Projects are scheduled to minimize customer impacts. Most do not have an impact. Outages with impacts are scheduled at appropriate times of the year. Projects are communicated through EBB postings and Market Impact Report.

Projects include: pipe replacements, hardware or control system upgrades, pigging, unit maintenance, expansion projects, anomaly remediation, emergent pipe and compression failures, emissions testing, ESD testing etc.

Many obstacles including supply chain issues, staffing, contractor availability etc. can drive timing and scheduling of activities.

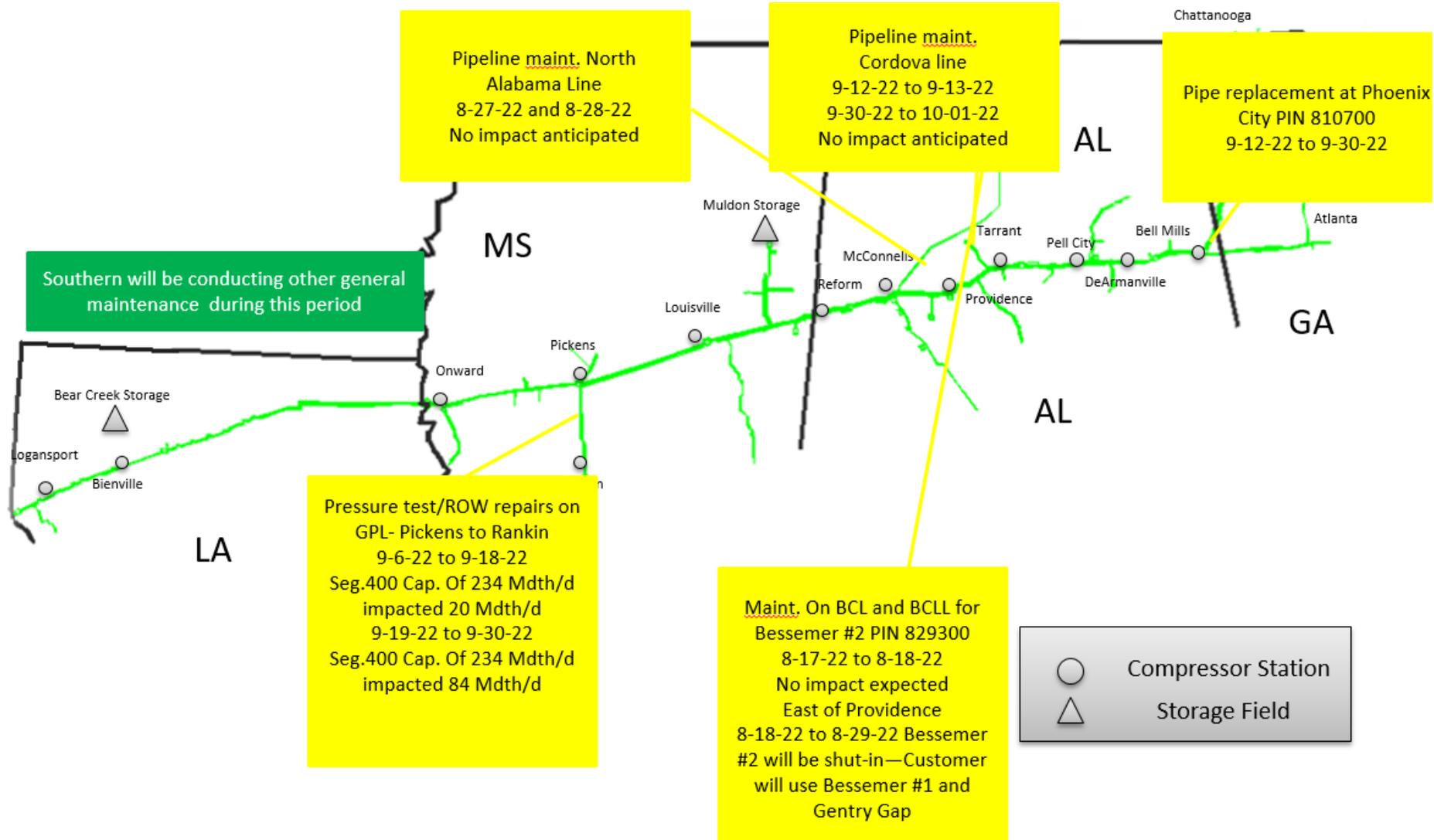
CAO has made it very difficult to plan and to execute maintenance projects. Some were rescheduled to a later date and some were moved to next year. Some have compliance dates which must be scheduled per KM or PHMSA requirements.

Emergent Outages Year Over Year

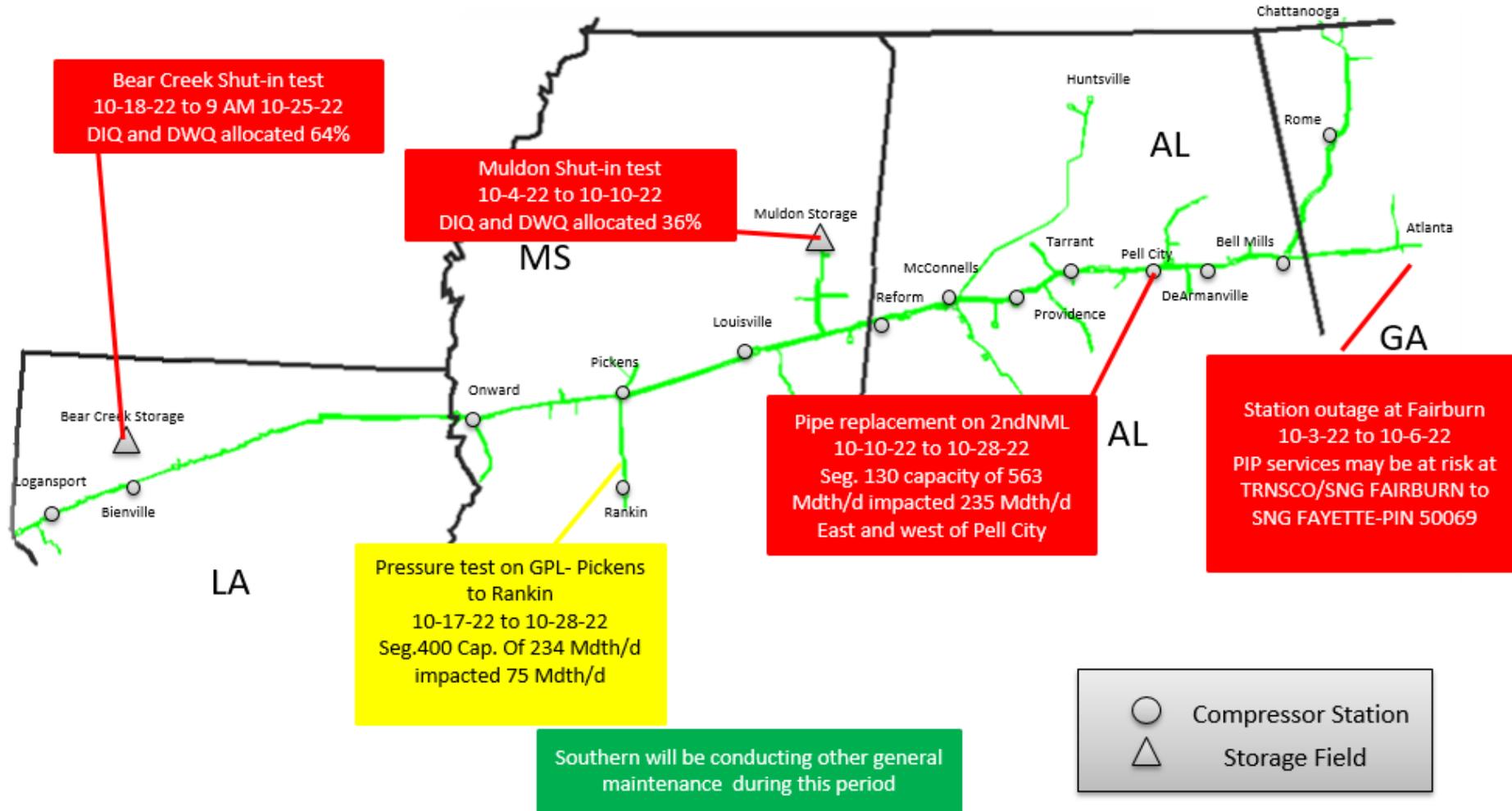


*2022 outage totals are through 8/16/2022

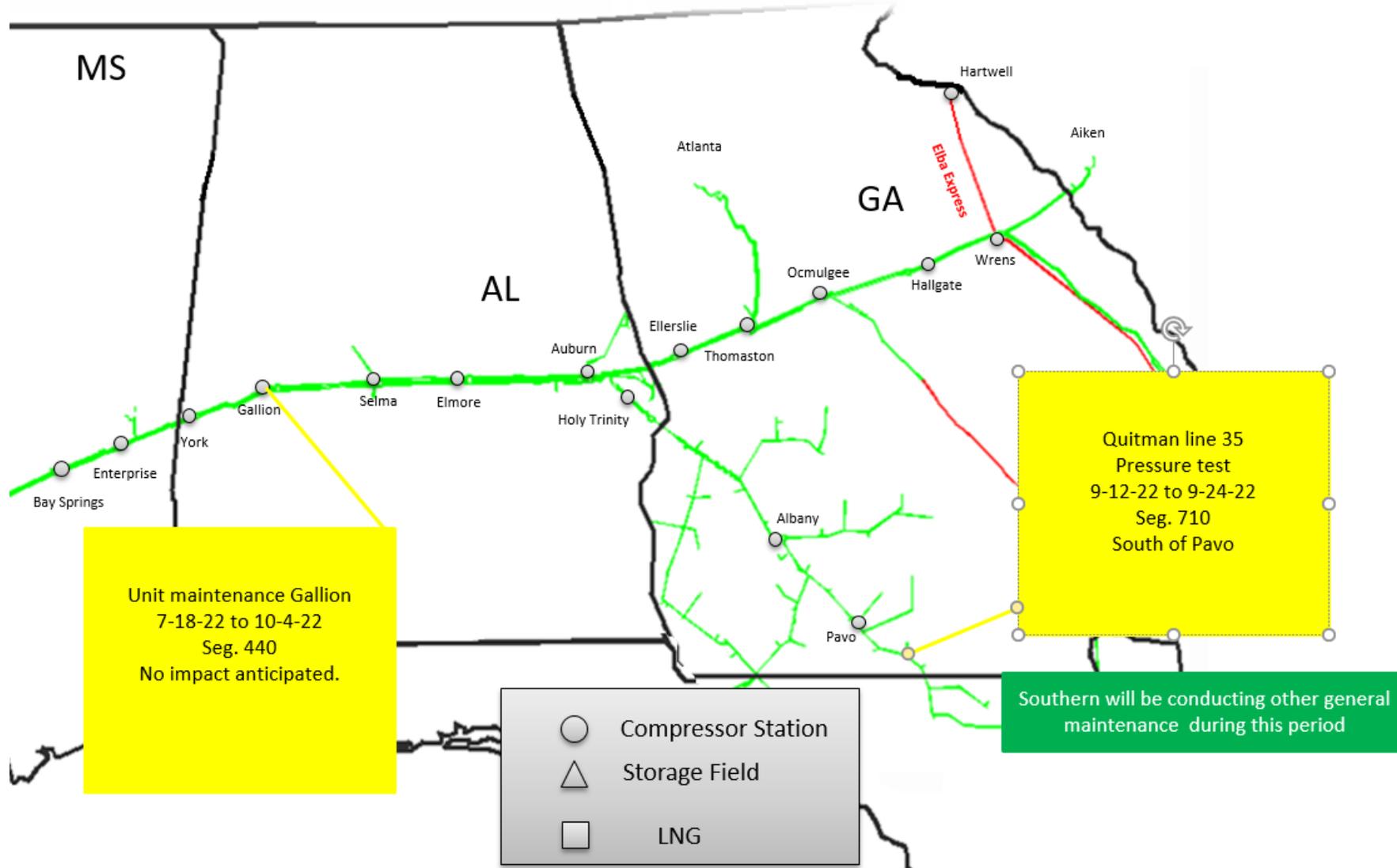
SNG North System Maint. Review August/Sept/Oct/Nov



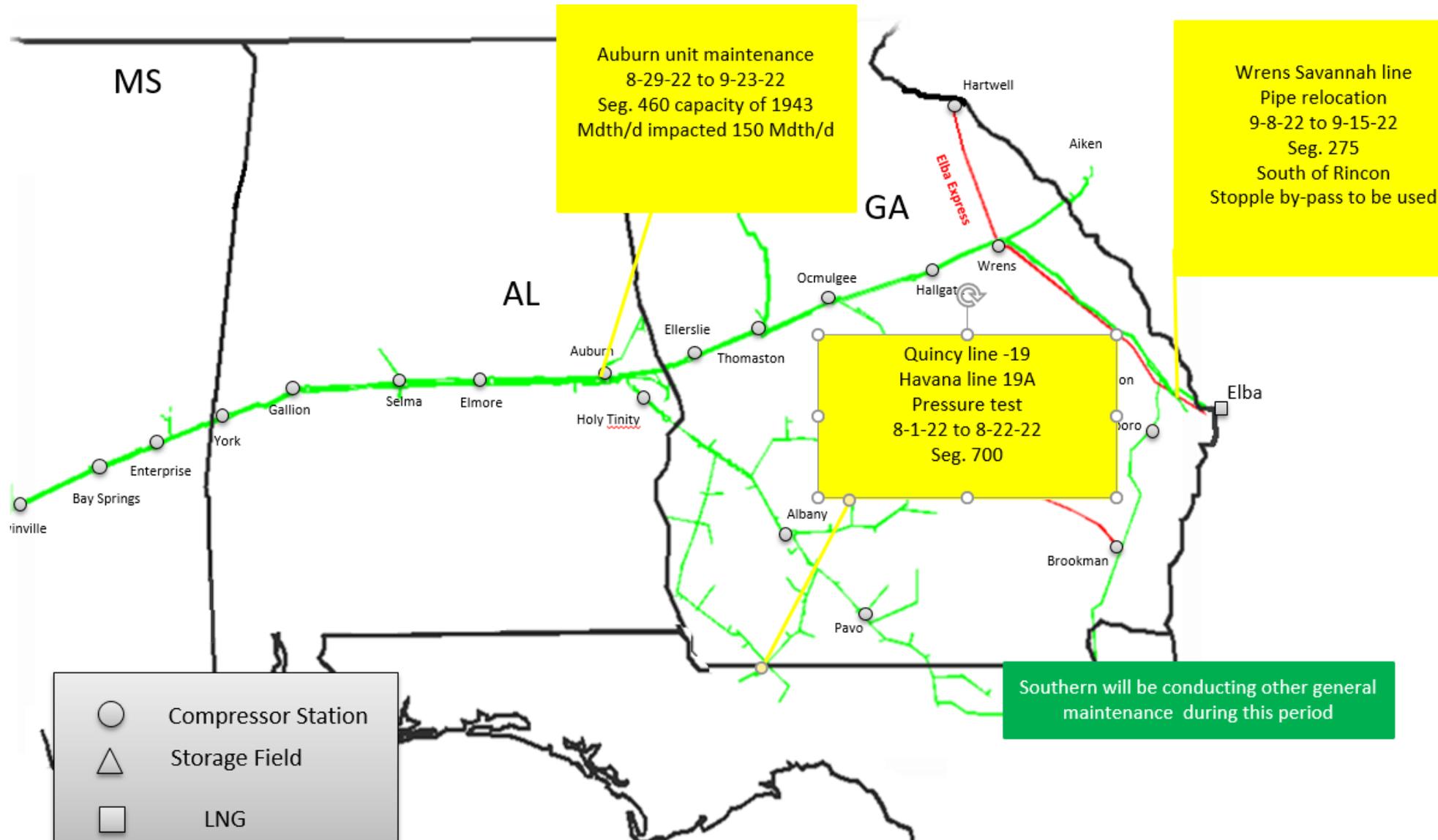
SNG North System Maint. Review August/Sept/Oct/Nov Continued



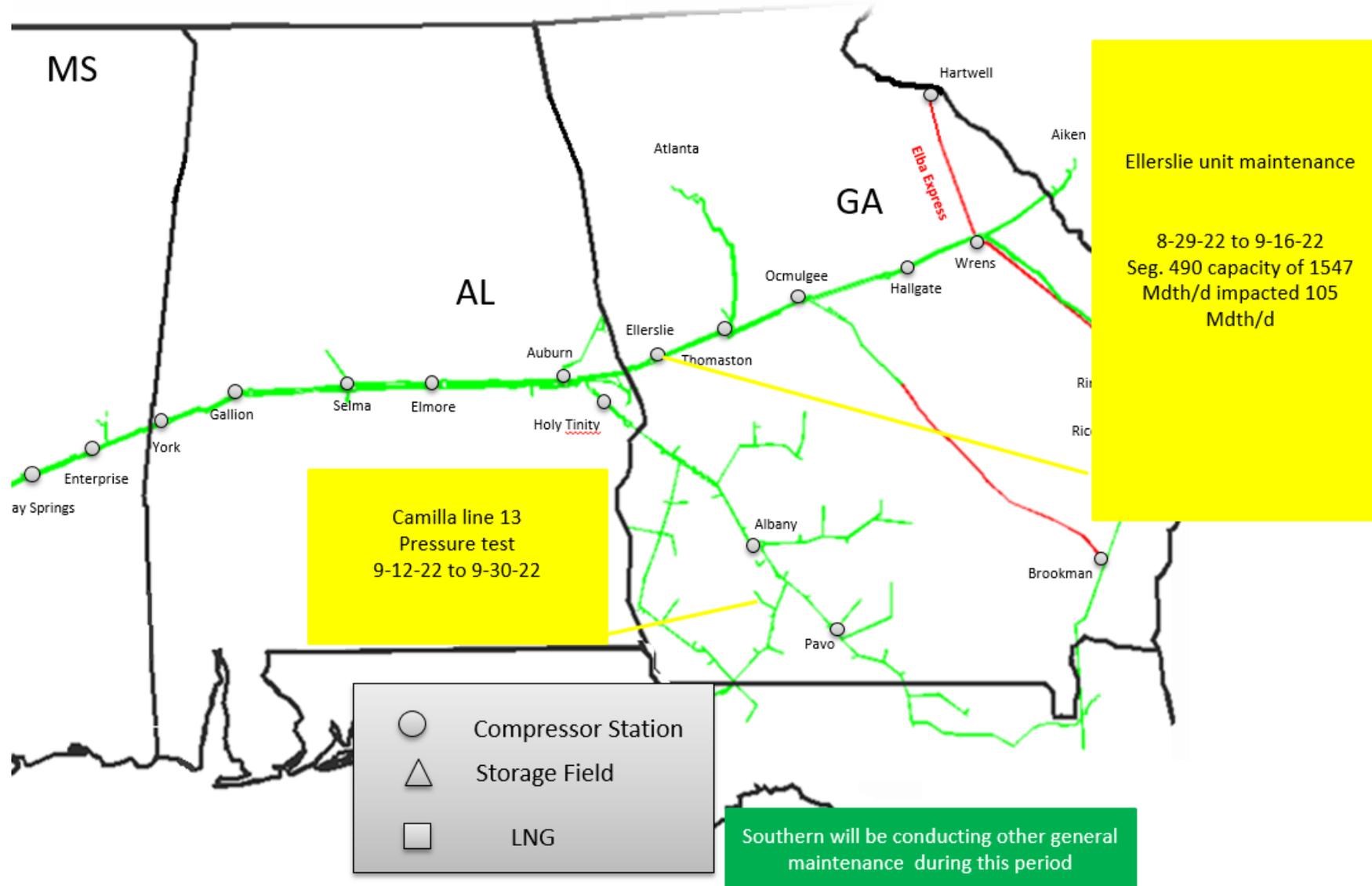
SNG South System Maint. Review August/Sept/Oct/Nov



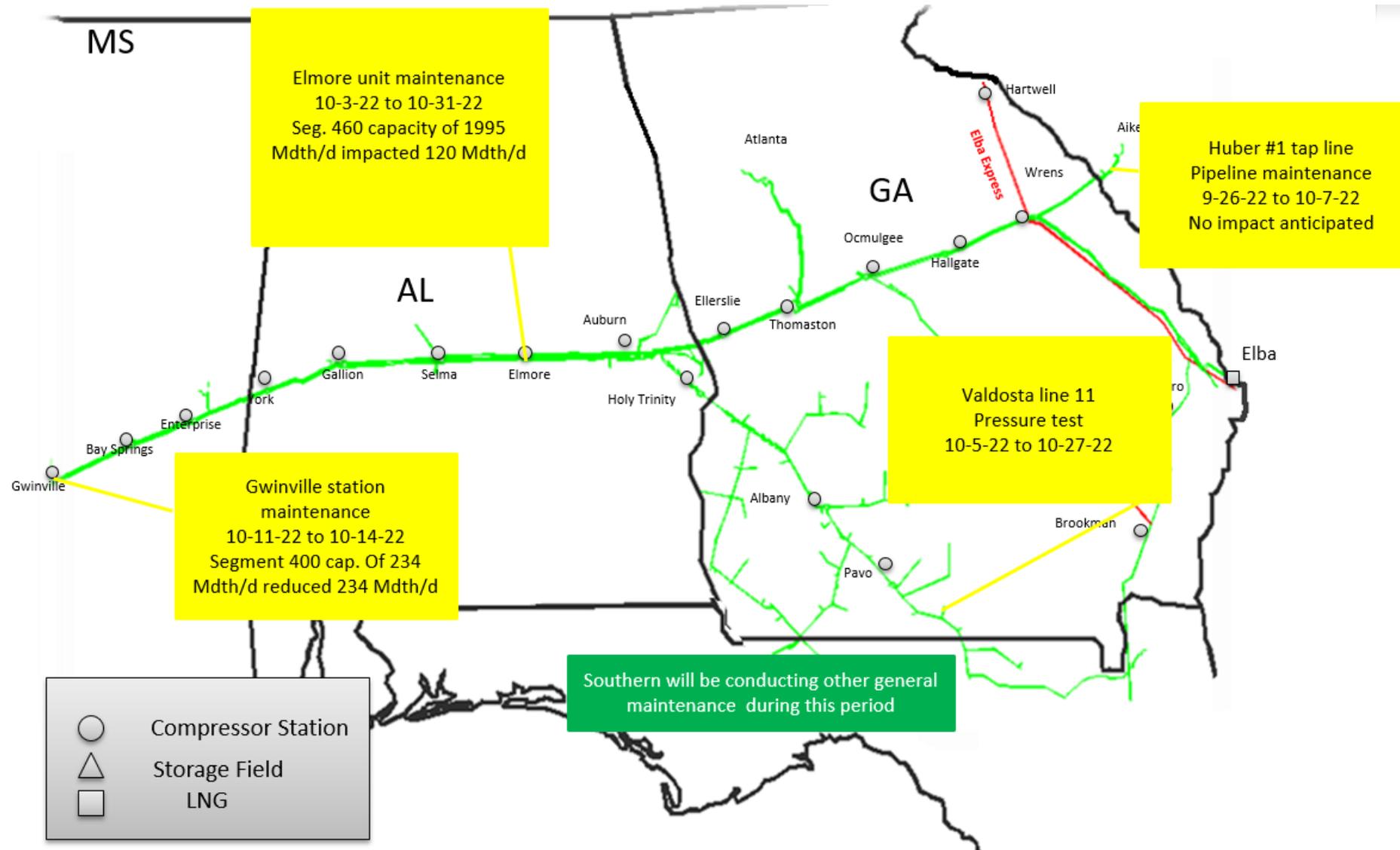
SNG South System Maint. Review August/Sept/Oct/Nov Continued



SNG South System Maint. Review August/Sept/Oct/Nov Continued



SNG South System Maint. Review August/Sept/Oct/Nov Continued





Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Getting Ready for Winter 2022-2023

SNG EEC Gas Control Contact Information



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

KINDER MORGAN

Rob Perkins
VP – Gas Control
Office: 713.420.5229
Cell: 205.527.0650
rob_perkins@kindermorgan.com

KINDER MORGAN

Layne Sanders
Director – Gas Control Eastern Pipelines
SNG, TGP
Office: 713.420.5024
Cell: 832.563.5024
layne_sanders@kindermorgan.com

KINDER MORGAN

Reese Hart
Manager – Gas Control
SNG, EEC, SLNG
Office: 713.420.4774
Cell: 832.248.2937
maurice_hartiii@kindermorgan.com

KINDER MORGAN

Kal Dankovich
Outage Coordinator
SNG, EEC
Cell: 205.533.4795
kalman_dankovich@kindermorgan.com

KINDER MORGAN

Jimmy Reese
Lead Controller
Cell: 205.577.3204
jimmy_reese@kindermorgan.com

KINDER MORGAN

Skyler Spyker
Lead Controller
Office: 713.420.2386
Cell: 806.470.7743
skyler_spyker@kindermorgan.com



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Scheduling Update

Katie Cornutt

Scheduling Manager

SNG Shipper Meeting

Birmingham, AL ▪ September 14 – 15, 2022

Agenda



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

- 2022 Summer Review
 - Summer Trends & Challenges
 - Customer Nomination Patterns
 - Summer Constraints

- Preparing for Winter
 - 2021/2022 Winter Constraints
 - Scheduling Tips for Managing Your Business

- Dart Enhancement & Multi-Factor Authentication

Scheduling Team Contact Information



KINDER MORGAN
Gene Nowak
 VP – Transportation/Storage
 Office: 713.369.9329
gene_nowak@kindermorgan.com

KINDER MORGAN
Gina Mabry
 Director – Eastern & Central Region
 Pipeline Scheduling
 Office: 713.420.3685
 Cell: 281.744.8666
gina_mabry@kindermorgan.com

KINDER MORGAN
Katie Cornutt
 Manager – Pipeline Scheduling
 Office: 713.420.5648
 Cell: 407.902.8027
katlynn_cornutt@kindermorgan.com

Daily Scheduling Representatives

Weekend & After Hours Representatives

KINDER MORGAN
Margaret Blume
 Pipeline Scheduler SR I
 Office: 713.420.4821
 ICE: mablume
margaret_blume@kindermorgan.com

KINDER MORGAN
Adam Ivy
 Pipeline Scheduler SR II
 Office: 713.369.8922
 ICE: aivy
adam_ivy@kindermorgan.com

KINDER MORGAN
Todd Davis
 Pipeline Scheduler SR II
 Office: 205.325.7440
todd_davis@kindermorgan.com

KINDER MORGAN
Charlotte Hawkins
 Pipeline Scheduler SR I
 Office: 713.420.4873
charlotte_hawkins@kindermorgan.com

KINDER MORGAN
Allison Kaczynski
 Associate - Commercial Rotation
 Office: 713.420.2414
 ICE: alkaczynski
allison_kaczynski@kindermorgan.com

KINDER MORGAN
Tracy Minter
 Pipeline Scheduler SR II
 Office: 713.420.7030
 ICE: tminter
tracy_minter@kindermorgan.com

KINDER MORGAN
Phyllis Miller
 Pipeline Scheduler SR II
 Office: 713.420.3738
phyllis_miller@kindermorgan.com

KINDER MORGAN
Ahsan Mohammad
 Pipeline Scheduler II
 Office: 713.420.5644
ahsan_mohammad@kindermorgan.com

KINDER MORGAN
Stacey Rippetoe
 Pipeline Scheduler ASC
 Office: 713.420.5140
 ICE: sconner
stacey_rippetoe@kindermorgan.com

KINDER MORGAN
SNG Scheduling Hotline
 Hotline: 713.420.7213
sngschedulers@kindermorgan.com

KINDER MORGAN
Jeremy Rainwater
 Pipeline Scheduler SR II
 Office: 713.420.6385
jeremy_rainwater@kindermorgan.com

KINDER MORGAN
Scott Sokira
 Pipeline Scheduler II
 Office: 205.325.7313
david_sokira@kindermorgan.com



2022 Summer Review

Summer 2022 Trends

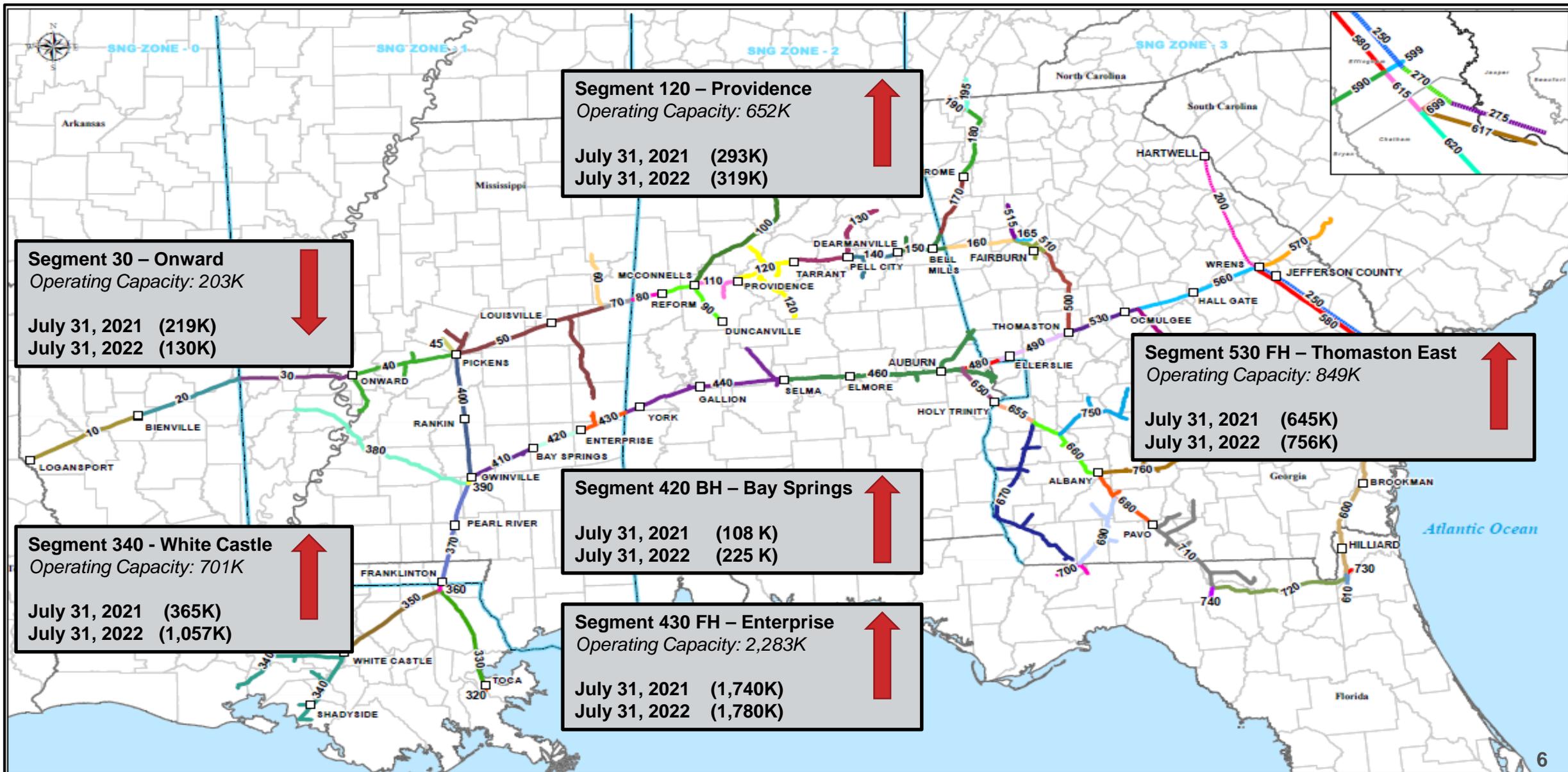
- Increased Power Generation across SNG Market area
 - Up 17% since 2021
- Predominantly only In-Path and higher scheduled through Segments 410 (Gwinville East) & 420 (Bay Springs) due to the *Corrective Action Order*
 - South Main Line *Corrective Action Order* - lifted effective September 3, 2022
- Increased backhaul activity across the South Main with deliveries to Zone 0 and 1 Interconnects
 - Maintenance on interconnecting pipelines
- Frequent Intraday Cycle Nomination Changes
 - Caused significant fluctuations in Scheduled Activity across the pipe & the need for new restrictions on occasion within the gas day

Customer Nominations by Key Segments

2021 vs 2022 Comparison



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company



Pipeline Capacity Scheduling & Considerations

- SNG has the ability to evaluate and schedule at any location (segment or pin) on the system that exceeds pipeline operating capacity
 - Multiple locations within a segment can be restricted if needed
- Considerations during Scheduling
 - Contractual Nominated Volumes & No-Notice Volumes
 - Point Operator Performance at Receipt/Delivery Locations (LOR restrictions)
 - Redirection of Nominations through other portions of the pipeline (Flow Day Redirect)
 - Intraday Increases or Decreases at Point or Segment Level
 - Weather Impacts to Supply & Demand
 - Maintenance activities
 - Scheduled and Unscheduled
 - Operational Flexibility & Performance of Compressor Stations
 - Operational Assistance w/ Interconnecting Pipelines

Summer 2022

Segment Constraints for Timely Cycle (April-August)



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company

Segment	Location	Days Impacted
30	Onward	35
340	White Castle	59
350	LA White Castle	11
380	SNG-SESH	132
400	Gwinville North	91
410	Gwinville East	57
420	Bay Springs	33
430	Enterprise	26
580	Wrens South	10
650	South Georgia	10
670	Webster Clay	18



Summer Restrictions

Percentage Days Restricted for Timely Cycle (April - August)



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Segment	Location	2020	2021	2022
30	Onward	99.35%	2.61%	22.88%
340	White Castle	5.88%	0.65%	38.56%
380	SNG-SESH	77.12%	87.58%	86.27%
400	Gwinville North	9.80%	30.72%	59.48%
410	Gwinville East	0.00%	0.00%	37.25%
420	Bay Springs	0.00%	0.00%	21.57%
430	Enterprise	0.00%	0.00%	16.99%
670	Webster Clay	0.00%	3.27%	11.76%



Preparing for Winter

Winter Restrictions

Percentage Days Restricted for Timely Cycle (November- March)



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Segment	Location	2018/2019	2019/2020	2020/2021	2021/2022
30	Onward	17.22%	55.26%	2.65%	0.66%
120	Providence	0.66%	0.00%	13.25%	19.21%
160	Zone 2/3 N Boundary	3.31%	2.63%	1.99%	11.92%
380	SNG-SESH	54.31%	88.82%	76.82%	96.69%
400	Gwinville North	18.54%	17.11%	31.12%	44.37%
430	Enterprise	4.64%	3.95%	9.27%	23.18%
580	Wrens South	0.00%	0.00%	0.66%	70.20%
670	Webster Clay	0.00%	0.00%	7.95%	25.83%

Pipeline Conditions Notice



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Informs Shippers of:

- OFOs & Warnings
- PIN Restrictions
- Segment Restrictions
- Line Pack Area Restrictions
- Type 3 / 4 OFO Probability
- Type 6 OFO Probability

Sourcing Gas on Peak Days



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

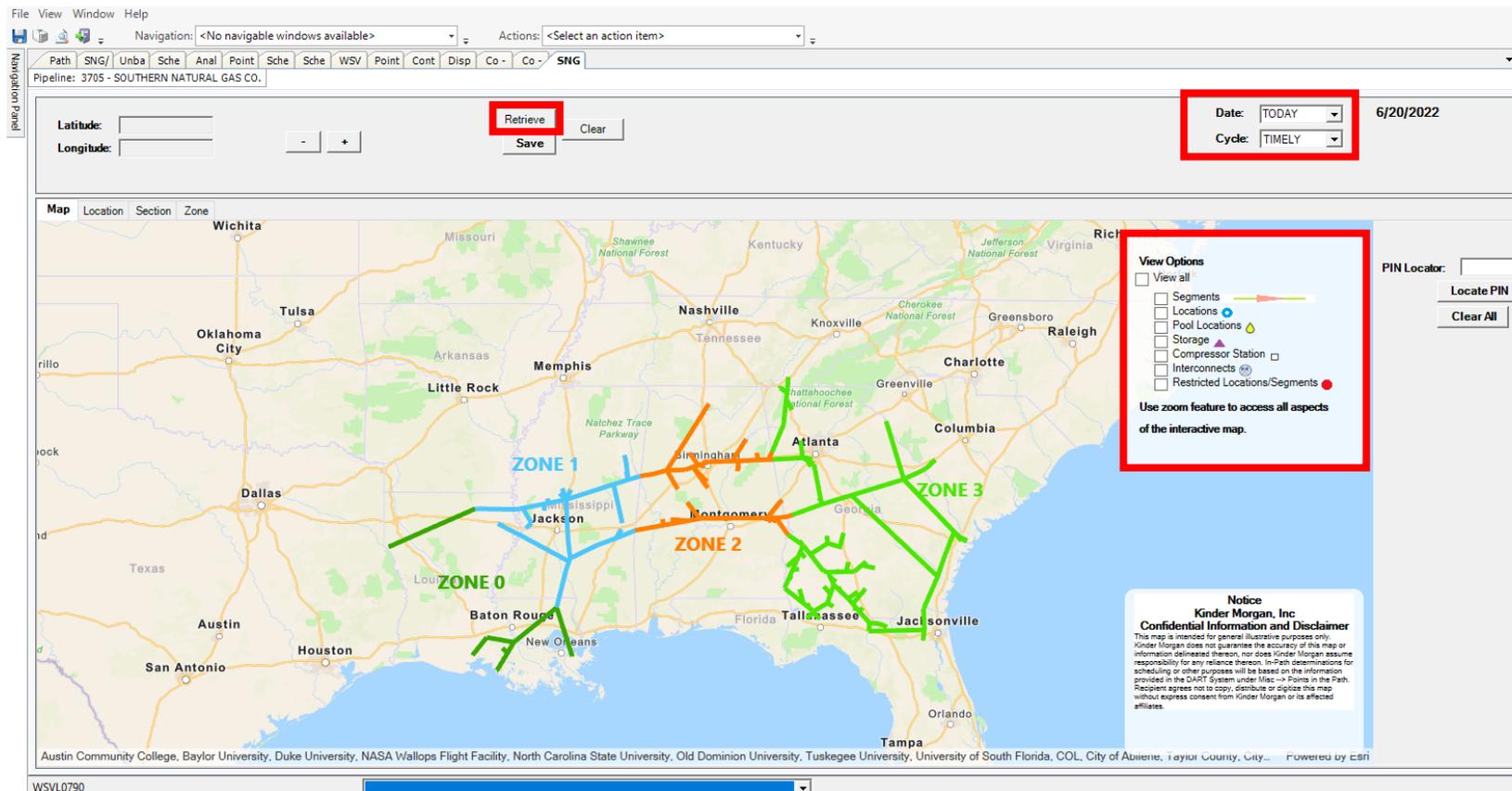
- Utilize receipts, including displacement, downstream of South System constraints
 - Elba Island
 - Carolina Gas Transmission displacement
 - Transco supply via Elba Express
 - Transco- SNG Fairburn
 - Petal, Destin, and TGP-Rose Hill are downstream of a segment 420 constraint
 - But they are not downstream of a segment 430 or 490 constraint



Dart Enhancement & Multi-Factor Authentication

SNG Graphical Pipe-WSVL0790

- The SNG Graphical Pipe provides a graphical depiction of the SNG system including pins, restrictions and segments on the pipe.
 - SNG moved the Graphical Pipe to production in the 2nd Quarter of 2022.

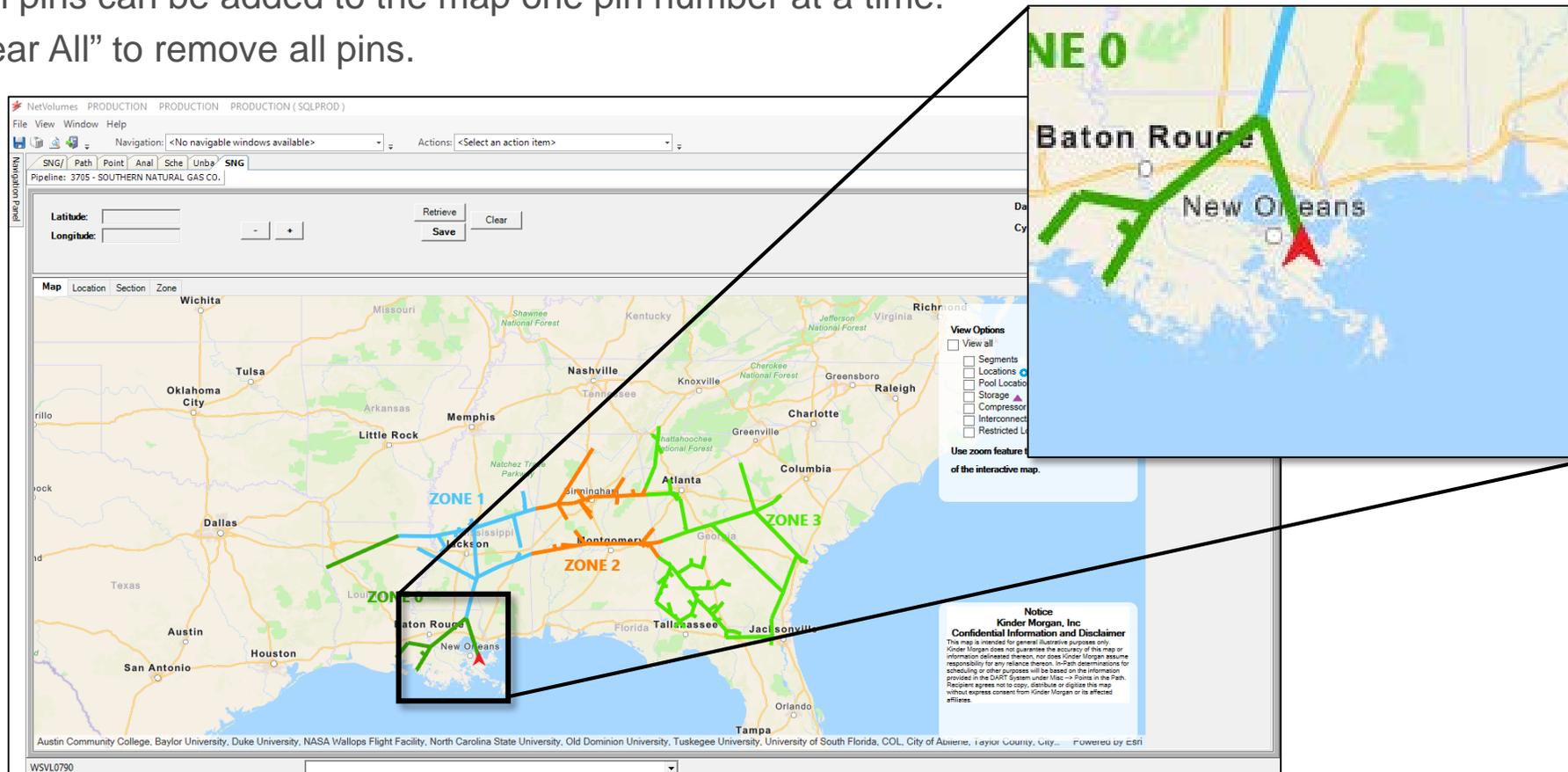


The screenshot displays the SNG Graphical Pipe software interface. The main window shows a map of the Southeastern United States, including parts of Missouri, Arkansas, Tennessee, Georgia, and Florida. The map is overlaid with several pipeline segments and zones, labeled ZONE 0, ZONE 1, ZONE 2, and ZONE 3. The interface includes a menu bar (File, View, Window, Help), a navigation pane on the left, and a toolbar at the top. The toolbar contains buttons for 'Retrieve', 'Save', 'Clear', 'Date', and 'Cycle'. The 'Date' dropdown is set to 'TODAY' and the 'Cycle' dropdown is set to 'TIMELY'. The date '6/20/2022' is displayed in the top right corner. A 'View Options' panel is visible on the right side of the map, containing checkboxes for 'View all', 'Segments', 'Locations', 'Pool Locations', 'Storage', 'Compressor Station', 'Interconnects', and 'Restricted Locations/Segments'. A 'PIN Locator' field and 'Locate PIN' and 'Clear All' buttons are also present. A 'Notice' box at the bottom right contains the following text:

Notice
Kinder Morgan, Inc
Confidential Information and Disclaimer
This map is intended for general illustrative purposes only. Kinder Morgan does not guarantee the accuracy of this map or information delineated thereon, nor does Kinder Morgan assume responsibility for any reliance thereon. In-chain determinations for scheduling or other purposes will be based on the information provided in the SART System under Misc->Points in the Path. Recipient agrees not to copy, distribute or digitize this map without express consent from Kinder Morgan or its affected affiliates.

Pin Locator Example

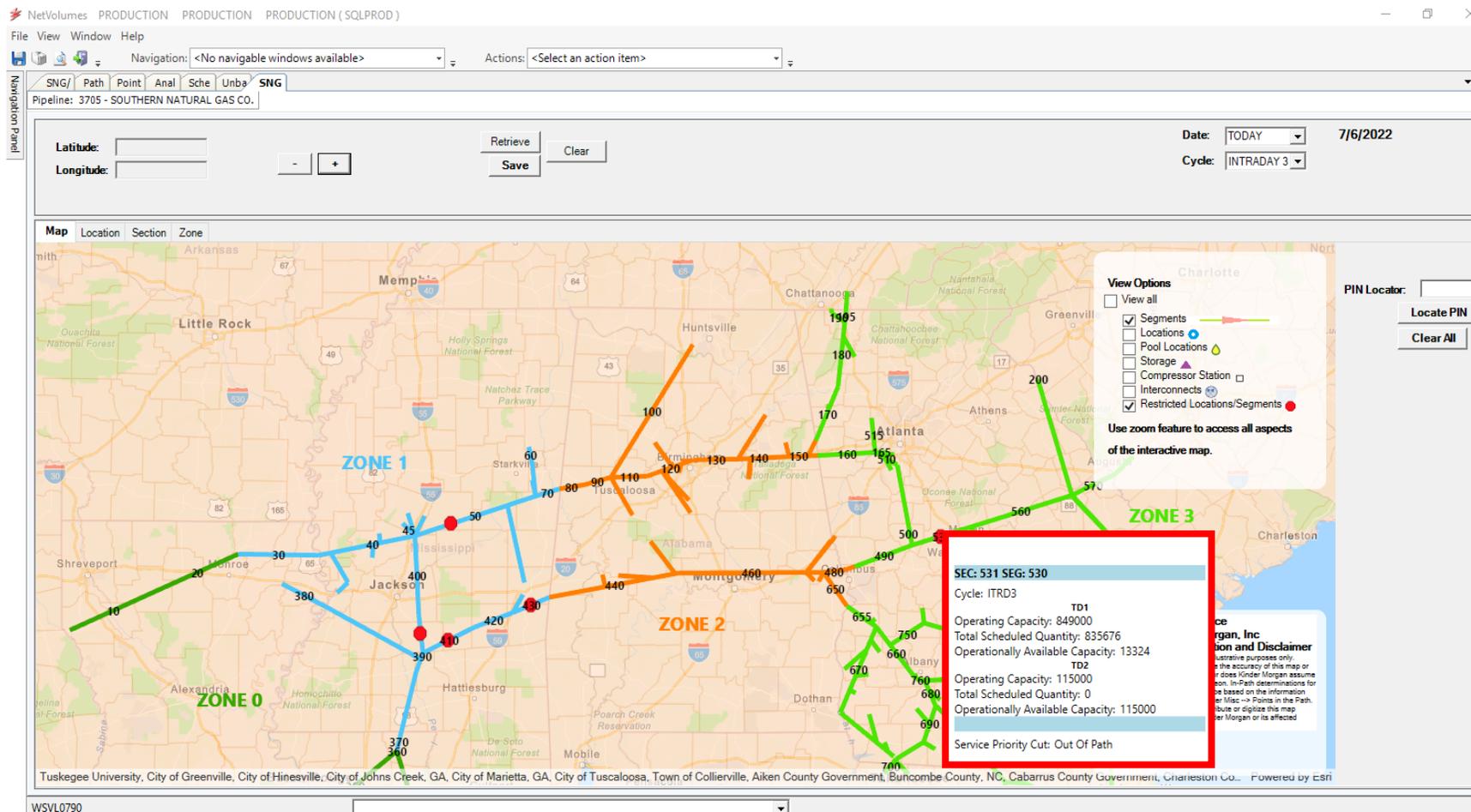
- By entering a specific pin number (EX: pin 640000) and clicking Locate PIN, you will see a red arrow displayed on the map.
 - Additional pins can be added to the map one pin number at a time.
 - Click “Clear All” to remove all pins.



*Helpful Hint: It may be necessary to zoom out to see located pin.

Segment Restriction Example

- By hovering over a restricted segment (Ex. Seg 530), capacity and restriction information from the OAC will be displayed.



The screenshot shows a web application interface for a gas pipeline system. The main area is a map of the Southeastern United States, divided into four zones: ZONE 0 (green), ZONE 1 (blue), ZONE 2 (orange), and ZONE 3 (green). A tooltip is displayed over a red segment, providing the following information:

SEC: 531 SEG: 530	
Cycle: ITRD3	
TD1	Operating Capacity: 849000
	Total Scheduled Quantity: 835676
	Operationally Available Capacity: 13324
TD2	Operating Capacity: 115000
	Total Scheduled Quantity: 0
	Operationally Available Capacity: 115000
Service Priority Cut: Out Of Path	

The application also features a navigation panel with tabs for SNG, Path, Point, Anal, Sche, Unba, and SNG. The pipeline is identified as '3705 - SOUTHERN NATURAL GAS CO.'. A 'View Options' panel on the right allows users to toggle visibility for Segments, Locations, Pool Locations, Storage, Compressor Station, Interconnects, and Restricted Locations/Segments. A 'PIN Locator' section includes 'Locate PIN' and 'Clear All' buttons.

Dart Multi-Factor Authentication

- Kinder Morgan is implementing a more secure Multi-Factor Authentication (MFA) token delivery method that will enhance Kinder Morgan's security, and move toward full compliance with TSA's (Transportation Security Administration) Security directive for critical infrastructure providers.
- Coming tentatively in October, the MFA will be activated for all DART external users.
- When the MFA is activated, users will retrieve an authentication token via the SecurID Application on their mobile device during each log-in attempt, which will need to be entered before continuing into the application.
- Please take the opportunity to register the information to avoid any disruption in accessing the system when MFA is activated.
- Additional information, including how to download the SecurID App, will be provided in the coming weeks.



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Business Development Update

Devy Traylor

Director Business Development

SNG Shipper Meeting

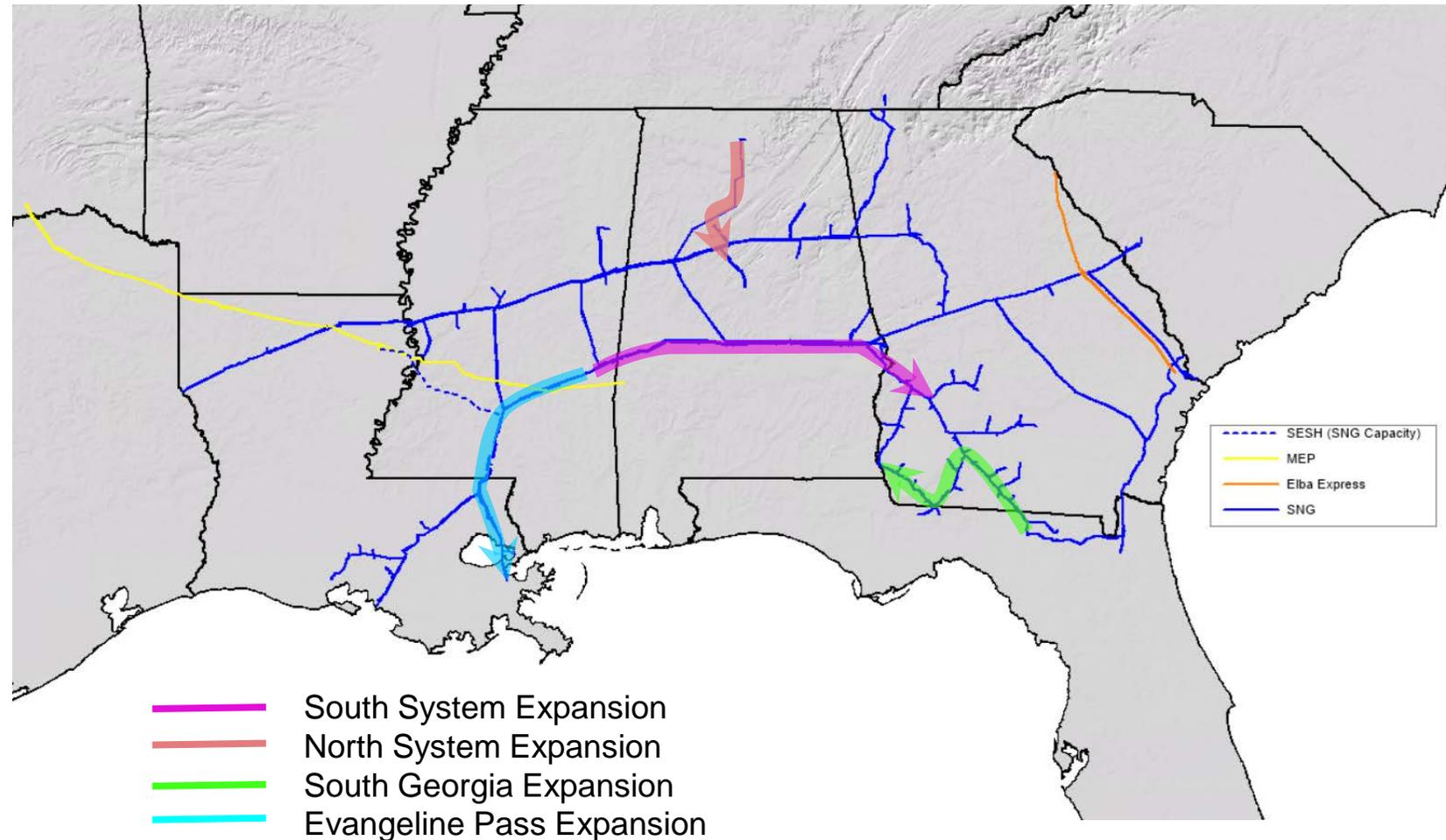
Birmingham, AL ▪ September 14 – 15, 2022

Project Timelines Have Lengthened

- Permitting/Certificate process has been slowed by new regulations and outcomes of court cases
 - Prior Notice projects (generally under \$37.1 mil) can still be done in about two years from the time the last condition precedent in the precedent agreement is cleared, if no protests are received
 - FERC 7(c) projects (over \$37.1 mil) now often require four to six years from precedent agreement execution; longer if significant protests are received
- Project costs have risen substantially
 - Longer and more complex permitting processes require more resources
 - Lead times for pipe and equipment have extended causing earlier project spending
 - Raw material costs have escalated
 - Equipment manufacturers (such as compressors) have passed through price increases
 - Contractor costs are higher
 - Land values (and therefore easement costs) have climbed
- Early communication of customer needs allows time for SNG to:
 - Try to further develop projects to improve economies of scale and solidify scope
 - Complete planning and permitting tasks without compressing the construction schedule
 - Work with landowners, agencies, and non-governmental organizations (NGOs) to reduce permitting risk

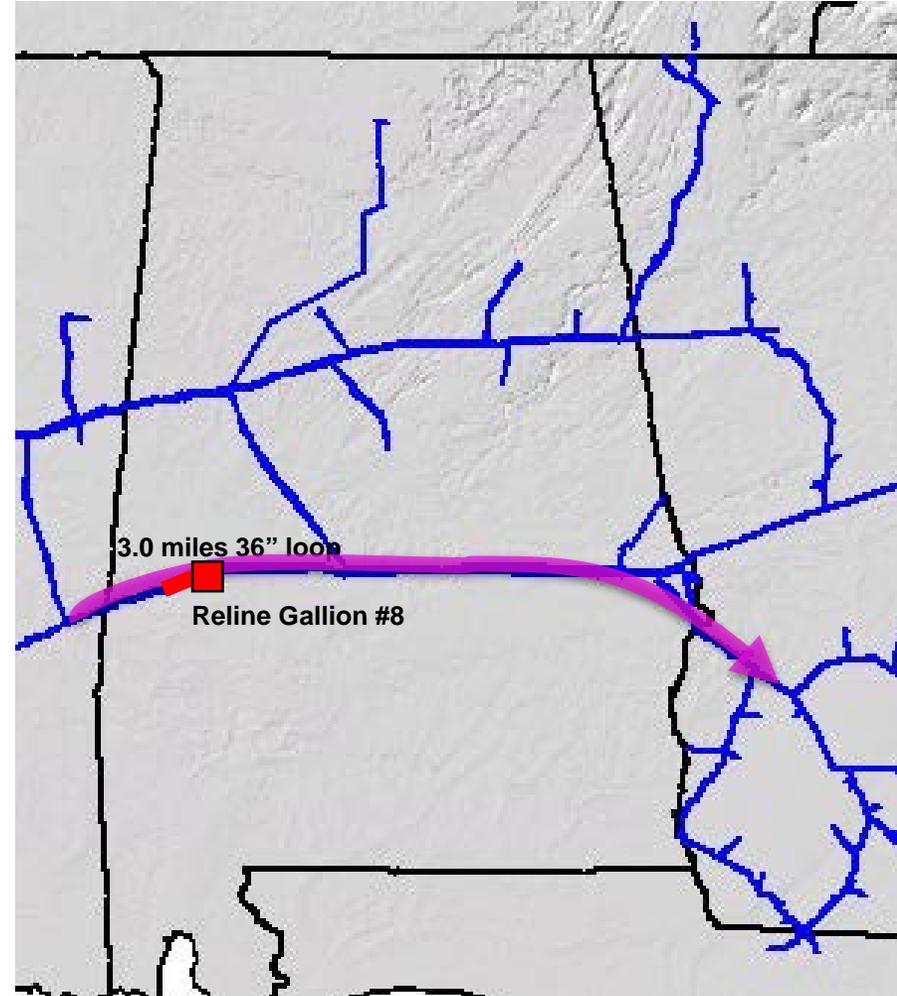
Current Projects Under Construction/Final Development

- Three projects are currently under construction:
 - South System Expansion
 - North System Expansion
 - South Georgia Expansion
- Evangeline Pass Expansion
 - TGP leasing capacity on SNG
 - 1.1 Bcf/d
 - Rose Hill to Toca
 - Final Investment Decision (FID) expected 1Q2023



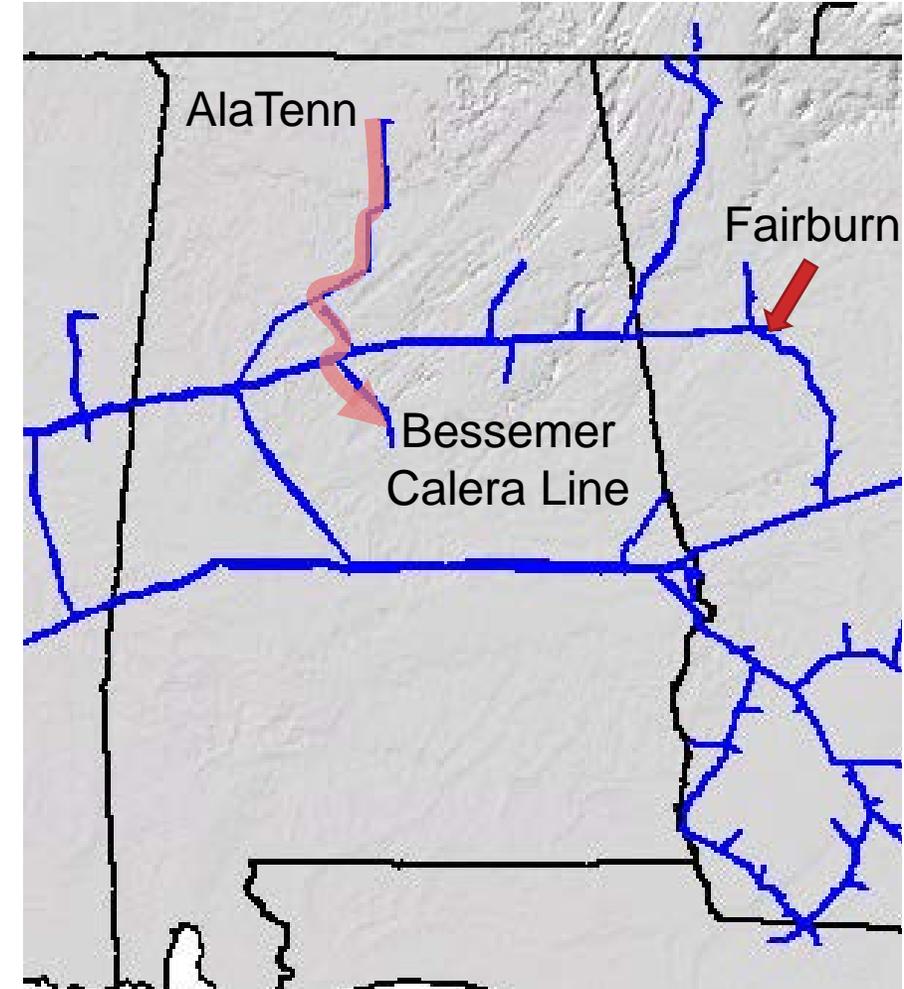
SNG South System Expansion

- Expansion provides 25,500 Dth/d of incremental firm capacity to three shippers from TGP-Rose Hill interconnect
 - Spire Alabama
 - Southeast Alabama Gas
 - City of Douglas, GA
- Facilities include:
 - 3.0 miles of 36" loop upstream of Gallion Compressor Station
 - Reline Unit 8 at Gallion Compressor Station
- All facilities expected to be placed in-service soon
 - Gallion work complete
 - Loop installed and tied in
 - ROW remediation is in final stages



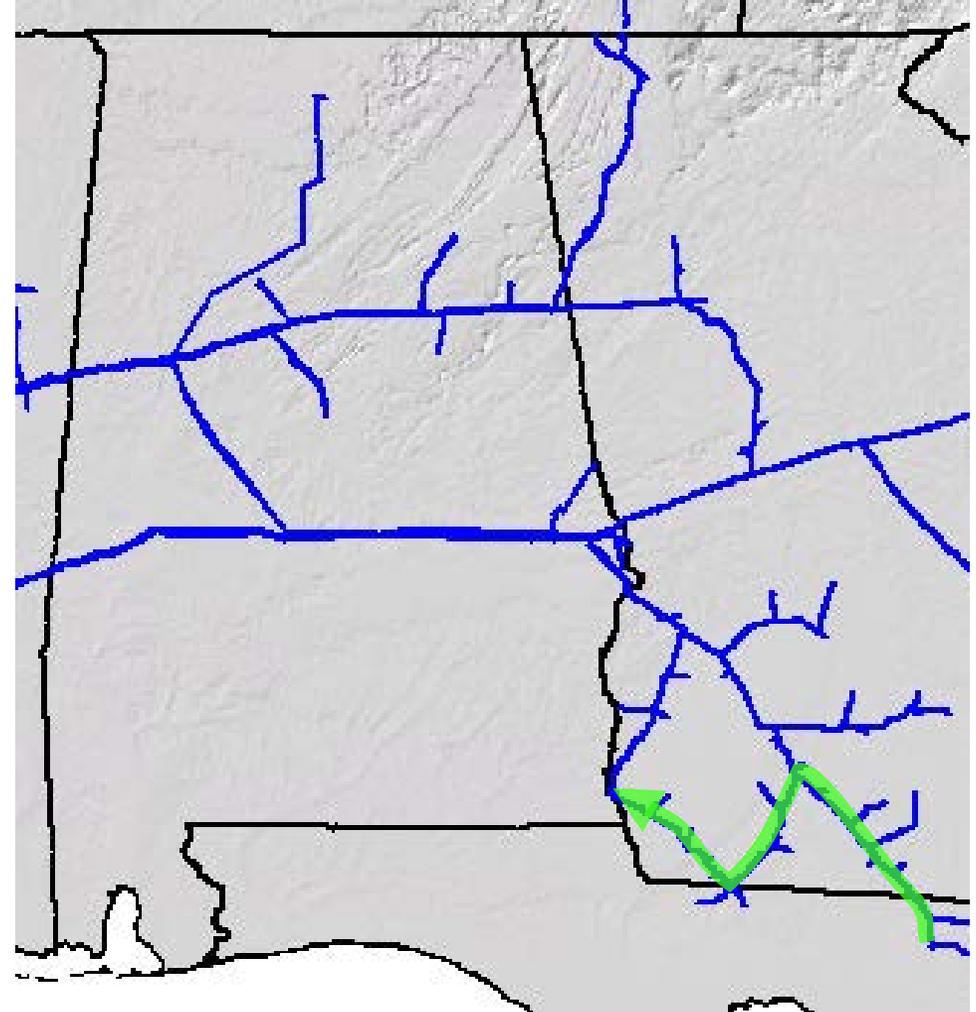
SNG North System Expansion

- Expansion provides 26,754 Dth/d of incremental firm capacity to Spire Alabama from AlaTenn interconnect and Fairburn
- Facilities include:
 - 2.2 miles of 8” pipe to connect North Alabama Line to Cordova Line
 - Flow reversal on Cordova Line
 - Pressure controls on N. Alabama Line
 - Re-wheel Providence low side compressor
 - Upgrade Bessemer #2 meter station
 - Upgrade Anniston #3 meter station
- Facilities are under construction and expected to be in-service by November 1, 2022



South Georgia Expansion

- Expansion provides 8,714 Dth/d of incremental firm capacity to Georgia Pacific from FGT-Suwanee interconnect
- Facilities include:
 - Upgrade Georgia Pacific meter station, regulating station, and connecting line
- Facilities are under construction expected to be in-service by November 1, 2022



Projects on the Horizon

- SNG is interested in discussing what we can do to meet your specific needs
- General concepts under development
 - Additional South System expansion
 - Developing a project that could stretch from Mississippi into Georgia
 - Potential for participation of South Georgia customers
 - Additional North System expansion
 - Early stages of development
 - South Louisiana projects
 - Several possibilities
 - Waiting on customers to make final investment decisions
 - Evaluating potential supply interconnect projects
 - Interested in customer interest in various supply options

Summary

- Projects are getting built
 - Permitting is more challenging but well supported projects do get approved and built
 - Advance due diligence helps to improve likelihood of success.
- Let us know if you have interest in additional capacity
 - It's possible that we could combine several projects to improve economies of scale
- Plan ahead
 - SNG's actively developing projects with 2025 in-service dates (and beyond)
 - Having additional time to obtain permits and to negotiate with landowners is critical



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Regulatory Changes Impacting Pipeline Maintenance

Chris Bradberry

Director, Operations

KMI Pipeline, Division 8

SNG Shipper Meeting

Birmingham, AL ▪ September 14 – 15, 2022



Environmental Regulations related to Reducing Green House Gas (GHG)

OOOOa / OOOOb / OOOOc – Quad-O Rules

Pipeline Hazardous Material Safety Administration (PHMSA) Methane Reduction
Rulemaking

Methane Tax

Quad-O Rules

Currently, Optical Gas Imaging (OGI) Leak Surveys are required quarterly at new or modified compressor stations

OGI detects the smallest of leaks, many of which can't be detected with traditional leak detection equipment

New regulations will require OGI Surveys at all compressor stations, possibly more frequently and with more aggressive mitigation measures

Environmental Regulations impacting Pipeline Maintenance

OGI-detected leaks must be repaired within 2 years and may require a station or pipeline outage to complete the repair (recent Gwinville outage is an example). Timeframe may get shorter. Repairs may involve having to pump-down and blow-down a pipeline, which requires coordination and planning, and may have additional environmental impact.

Some small leaks can't be stopped, and consequently the equipment may have to be replaced to stop the leak. A leak through the valve stem packing on an older pipeline valve is a common type of small leak which may not be able to be stopped without replacing the valve. The gas released in order to replace the equipment may far exceed the impact of the leak.

Reciprocating Compressor Rod Packing must be replaced at least every 3 years, regardless of compressor utilization rate and leakage rate. Absent this requirement, packing would be replaced based on leakage rate. Requires a day or two compressor outage to replace compressor packing.

Pipeline Hazardous Material Safety Administration (PHMSA) Methane Reduction Rulemaking

Part of PIPES Act of 2020

PHMSA adopted a rule requiring pipeline operators to minimize methane emissions as part of their O&M procedures. How PHMSA will regulate compliance is not yet known.

PHMSA employs a rigorous audit process for pipeline operators, so operators will need to be able to show evidence of compliance.

Environmental Regulations impacting Pipeline Maintenance

Methane Tax

\$1500/ton

Currently expected to apply to Systems/Processes with Methane Intensity Levels above 0.11%.

KM NG Transmission's Methane Intensity Level has been 0.04% or less since 2019.

To maintain or reduce KM NG's Intensity Level, more gas recovery pump-downs and more gas flaring will be needed when performing pipeline maintenance.



New Pipeline Safety Regulations impacting Pipeline Maintenance

Mega Rule 1

Rupture Mitigation Valves

Mega Rule 2

PIPES Act

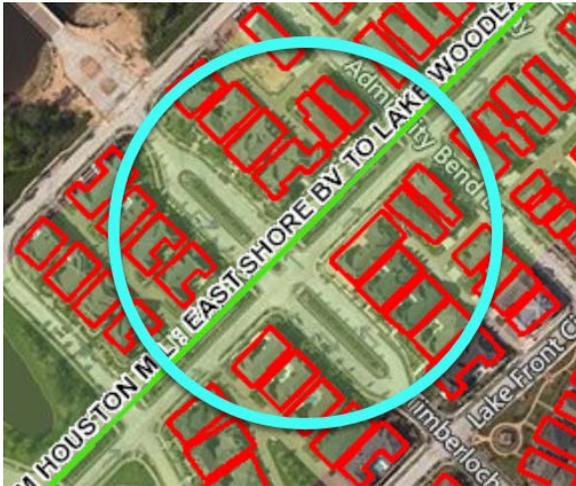
Mega Rule 1 – 2019 Gas Transmission Final Rule

- Published 10/19/2019
- Effective 7/1/2020 and 7/1/2021
- Define Moderate Consequence Areas (MCA)
- 192.607 Material Verification
- 192.624 MAOP Reconfirmation
- 192.710 Assessments Outside of High Consequence Areas (HCA)

Moderate Consequence Areas

High Consequence Area (HCA)

- 20 or more buildings
 - One Identified Site (e.g. Hospital)
- Within PIR (Potential Impact Radius)
- SNG – 571 HCAs, 293 miles



Moderate Consequence Area (MCA)

- 5 to 19 buildings
 - Paved surface of interstate, freeway, expressway or 4 lane principal roadway
- Within PIR
- SNG – 1,693 MCAs, 689 miles





192.607 - Verification of Pipeline Material Properties and Attributes (including during field activities)

- Applicable in specific instances
- Must have Traceable, Verifiable, and Complete (TVC) records for pipe and fittings showing OD, w.t., seam type, and grade (yield and tensile strength)
- May have to conduct additional tests to verify material properties of pipe when pipeline is excavated for any reason

Anomaly Direct
Examination

Maintenance

Repair

Relocation

In situ
Replacement
Evaluations

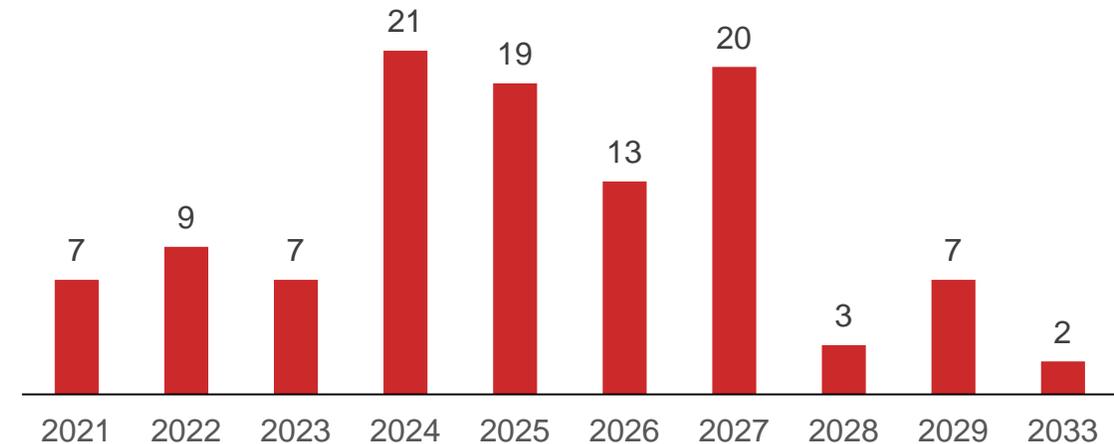
MAOP Reconfirmation 192.624

192.624 MAOP Reconfirmation

- Applicable
 - HCAs, Class 3, Class 4 without a TVC pressure test
 - HCA, Class 3, Class 4, and MCAs that are ILLable
 - GTE 30% SMYS
 - “Grandfathered” MAOP (192.619(c))
- Timetable
 - 50% of miles by July 3, 2028
 - 100% of miles by July 2, 2035
- Methods for MAOP Reconfirmation
 - Hydrostatic testing – **Primary method.**
 - Pipe replacement
 - Pressure reduction
 - Engineering Critical Assessment (ECA)
 - Application of “Alternative Technology”

- SNG has 231 Segments, totaling 45.2 miles, to Reconfirm

MAOP Reconfirmation Projects (some projects cover multiple segments)

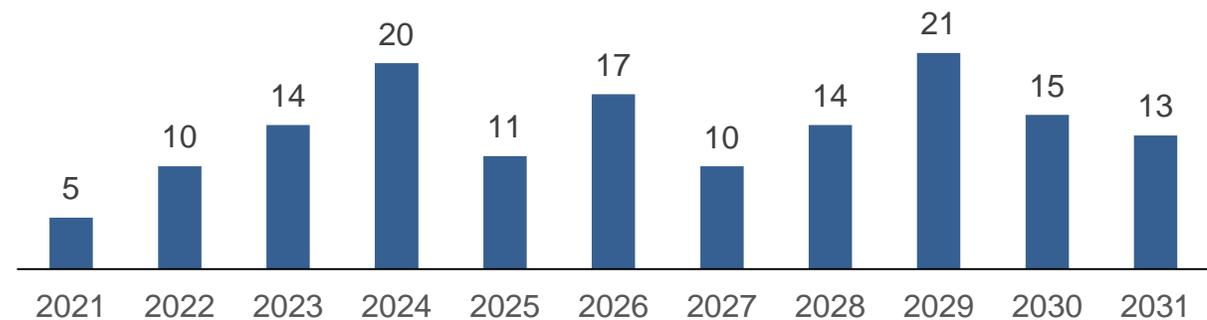


Assessments Outside HCAs 192.710

- Applicable
 - Onshore Class 3, Class 4, and MCAs that can be In-Line Inspected (ILIed; “smart pigged”).
 - GTE 30% SMYS
 - Not HCA
- Requirements
 - Assess for each applicable threat
 - Assessment Methods
 - ILI
 - EMAT (smart pig that detects certain types of abnormalities such as cracks)
 - Reference Industry Standards on ILI
 - Hydrostatic testing
 - Spike testing (new 192.506 definition)
 - Direct Examination
 - Guided Wave UT (Ultrasonic Testing)
 - DA – ECDA, ICDA, SCCDA
 - Other Technology

- Timetable –
 - Baseline 100% of miles by
 - July 3, 2034
 - 10 year reassessment interval
- Additional “Regulatory” based assessments and reassessment interval.
- SNG has 1,655 Segments, totaling 747.8 miles

Assessment Projects Outside of HCAs (some projects cover multiple segments)



Amendments to Parts 192 and 195 to Require Valve Installation and Minimum Rupture Detection Standards



– Rupture Mitigation Valves (RMV) – Effective 10/5/2022

- Defined Rupture Mitigation Valves (RMV)
- New valve spacing requirements for existing class location changes which is different than for newly installed pipelines
- New requirements to install RMVs:
 - New pipelines and replacements greater than 2 miles, GTE 6” and in HCAs, Class 3, or Class 4.
 - Class change replacements which are greater than 2 miles or between 1,000’ and 2 miles.
 - When adding a valve due to valve spacing requirements
- Define “notification of potential rupture” and “rupture identification” and require Operators to develop written rupture identification procedures.
- Response time must be within 30 minute of rupture identification
- Add multiple requirements for RMVs related to set-points, modeling, drills, timing to repair, etc.
- Changes related to Subpart O
 - Changed some definitions, wording, and criteria
 - Annual reviews required which must be signed off by senior executive
- **This requirement will add additional cost when:**
 - **new valves are added or**
 - **new pipelines are built or**
 - **pipeline is replaced**

Pipeline Safety: Safety of Gas Transmission Pipelines: Repair Criteria, Integrity Management Improvements, Cathodic Protection, Management of Change, and Other Related Amendments (Mega Rule 2)



- **Mega Rule 2 – Published 8/24/22. Effective 5/24/23.**
 - Updated and added definitions – Transmission pipe, dry gas, ILI, ILI tool, wrinkle bend
 - Expanded requirements for having a Management of Change process for any significant changes made related to Part 192 activities. Previously MOC was only required for Subpart O related changes
 - **Significant Corrosion Control changes**
 - **Required ACVG/DCVG within 6 months after replace/install 1,000'+ of pipe**
 - **Shorter requirements for correcting CP deficiencies and require CIS follow-up**
 - **Additional CP Interference surveys**
 - Continual surveillance requirements added for extreme weather event/natural disasters
 - 192.712 (Critical Strain) –
 - Go here when calculating Failure Pressure. Applies to your remediation digs for metal loss, dents, cracking.
 - Updated Metal Loss section and added Dent and mechanical damage section.
 - **192.714 – Repair/response requirements for non-HCAs – Immediates, 2-year, temporary pressure reductions. Most of this was already incorporated into KM's Integrity Procedures.**
 - Subpart O changes
 - Additional Data fields integrated within 18 months
 - Risk model requirements
 - Changes to response criteria consistent with 192.714 - many 1-year conditions
 - PMM – Specific PMM measures listed

PIPES Act of 2020 – Self Executing Provision Section 114(b)

- PIPES Act of 2020 – Self Executing Provision Section 114(b) – December 27, 2021
 - Operators update procedures to address eliminating hazardous leaks and minimizing releases of natural gas from their pipeline facilities
 - Unintentional, fugitive emissions, which includes leaks from pipelines, flanges, valves, meter sets, or other equipment,
 - As well as intentional, vented emissions
 - Leak prone pipe - replacing or remediating pipelines that are known to leak because of their material, design, or past O&M history (including cast iron, unprotected steel, wrought iron, and historic plastics with known issues).
 - SNG does not have any of these type leak prone pipes.

This regulation is essentially PHMSA's endorsement/reinforcement of what's required by environmental regulations



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Southern Natural Gas Shipper Meeting

September 14-15, 2022

Doubletree by Hilton Birmingham Perimeter Park
Birmingham, AL



Meeting Schedule

Thursday, September 15, 2022

7:00 AM – 8:00 AM	Breakfast		Daffodil Foyer
8:00 AM – 8:15 AM	Opening Remarks	Carl Haga	Magnolia 1, 2, 3
8:15 AM – 9:30 AM	Natural Gas Is Part of the Solution to Climate Change	Bill Cantrell	Magnolia 1, 2, 3
9:30 AM – 10:00 AM	Regulatory Update	Dave Dewey	Magnolia 1, 2, 3
10:00 AM – 10:15 AM	Closing	Carl Haga	Magnolia 1, 2, 3

Natural Gas is Part of the Solution to Climate Change

Wait, What?



A Presentation for Kinder Morgan
Bill Cantrell, Cantrell Advisors,
LLC
September 15, 2022

Natural Gas is Part of the Solution

- Why is Natural Gas So Special?

- Domestic
- Safe
- Reliable
- Convenient
- Clean



Natural Gas is Part of the Solution

- Why is Natural Gas So Special?

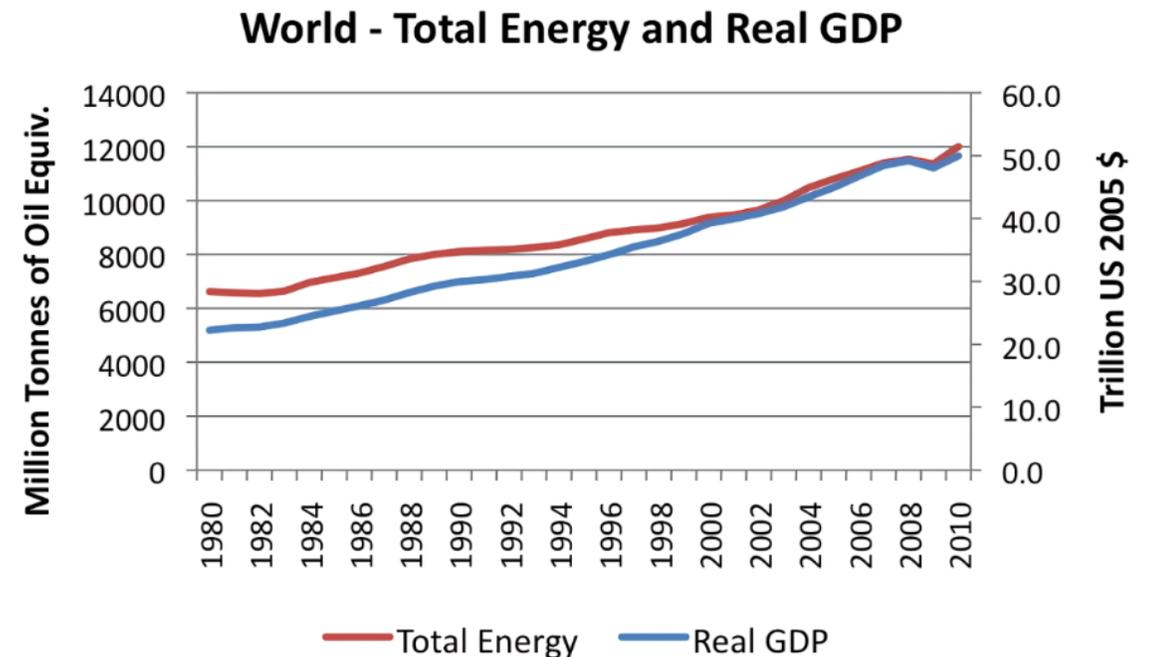
Millions of good-paying jobs



Natural Gas is Part of the Solution

- Why is Natural Gas So Special?

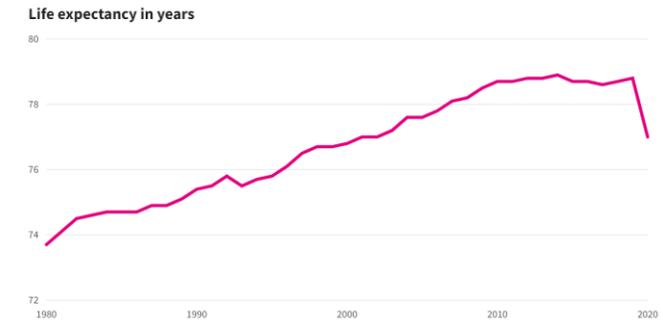
Facilitate economic growth and health



Natural Gas is Part of the Solution

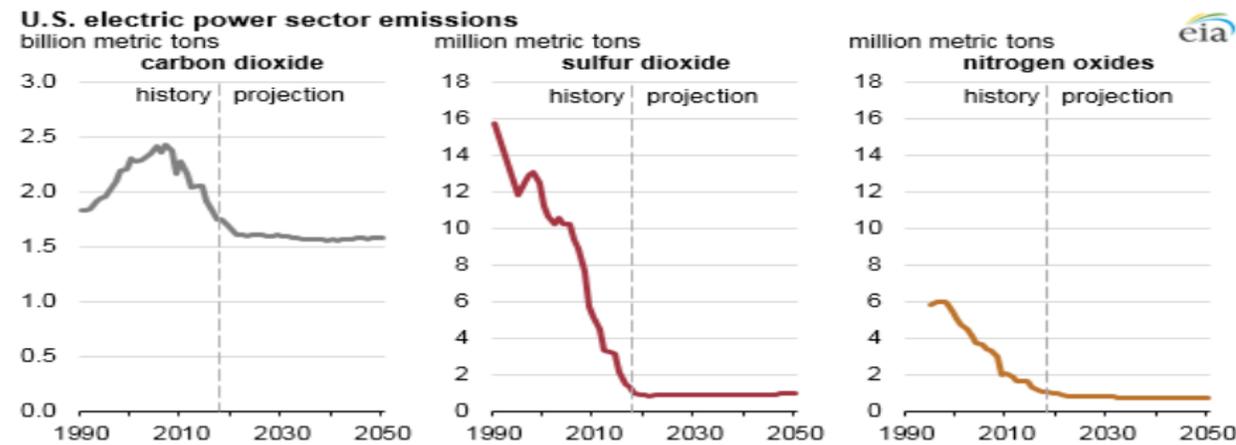
- Why is Natural Gas So Special?

Improve health & welfare.



FEBRUARY 11, 2019

Emissions from the U.S. electric power sector projected to remain mostly flat through 2050



EIA's recently released *Annual Energy Outlook 2019* projects that the U.S. electric power sector emissions of sulfur dioxide (SO₂), nitrogen oxides (NO_x), and carbon dioxide (CO₂) will remain mostly flat through 2050, assuming no changes to current laws and regulations.

Natural Gas is Part of the Solution

- But Not Everyone Agrees

- John Kerry
- Administrative Agencies
- Banks, Rating Agencies, etc.



U.S. SECURITIES AND
EXCHANGE COMMISSION



Federal Energy Regulatory Commission



U.S. DEPARTMENT OF LABOR



U.S. Department of the Interior

Natural Gas is Part of the Solution

- And sometimes it is specific and local!
- Safety – leaks and deaths
- Electrification is the answer
- Fossil fuels lead to climate change
- Move completely to renewables

DIGGING DEEPER GAS LEAKS

Ga. among leading states in gas leaks



JOHN SPINK/AJC 2021

Expert: Safety efforts should focus on most critical leaks; U.S. should move on from gas.

By Spencer Donovan
spencer.donovan@ajc.com

Few states see more natural gas leaks from pipelines

damage, which are required to be reported to the federal government. Leaks in Georgia resulted in more than \$30 million in gas losses, repairs

BY THE NUMBERS

59
Pipeline leaks from 2010 to October 2021 in Georgia reported to the federal government that caused injuries, deaths or

Natural Gas is Part of the Solution

- Our Industry Dilemma
 - Natural Gas is Essential
 - But it seems like everyone is fighting over everything
 - How do we change the status quo?



Natural Gas is Part of the Solution

- Turning Around Public Perception

- Fact-based Approach
- Proactive Game Plan
- Grassroots Efforts
- Leadership



Natural Gas is Part of the Solution

- Natural Gas is Good, but is that Enough?



Natural Gas is Part of the Solution

- Is Our Industry Good or Great?
 - It's okay to brag if it's true
 - Someone must stand up to the rhetoric
 - You will never have all the facts
 - If not now, when will we speak up?

Natural Gas is Part of the Solution

- Be An Advocate for Natural Gas
 - As natural gas employees, if we don't advocate for the industry, who's going to?
 - How often do you speak up about your company and our industry?



Natural Gas is Part of the Solution

- Caution: The Curse of Knowledge
 - Our credibility is not enhanced by explaining why other opinions are wrong.
 - Opponents will likely not be impressed with engineering details and calculations.



Natural Gas is Part of the Solution

- Be an Advocate for Natural Gas
 - Good communications focus on data, on science, and on logic.
 - Great communications build on good communications to add elements that **are visual, relatable and memorable.**



Natural Gas is Part of the Solution

- Examples of Good versus Great Communications
 - Safety
 - Clean Nature
 - Domestic Abundancy
 - Critical for Renewables



Natural Gas is Part of the Solution

- Safety – Good Communications

- DART – Days Away, Restricted, or Transferred – Total number of recordable injuries and illnesses that caused a worker to be away, restricted or transferred X 200,000/Total number of hours worked by all employees
- TRIR – Total Recordable Incident Rate – Total number of recordable cases X 200,000/Total hours worked by all employees

OSHA's Form 300
Log of Work-Related Injuries and Illnesses

Note: You can type input into this form and save it. Because the forms in this recordkeeping package are "fillable/writable" PDF documents, you can type into the input form fields and then save your inputs using the free Adobe PDF Reader. In addition, the forms are programmed to auto-calculate as appropriate.

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year 20
U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

Please Record:

- Information about every work-related death and about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid.
- Significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional.
- Work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR Part 1904.8 through 1904.12.

Reminders:

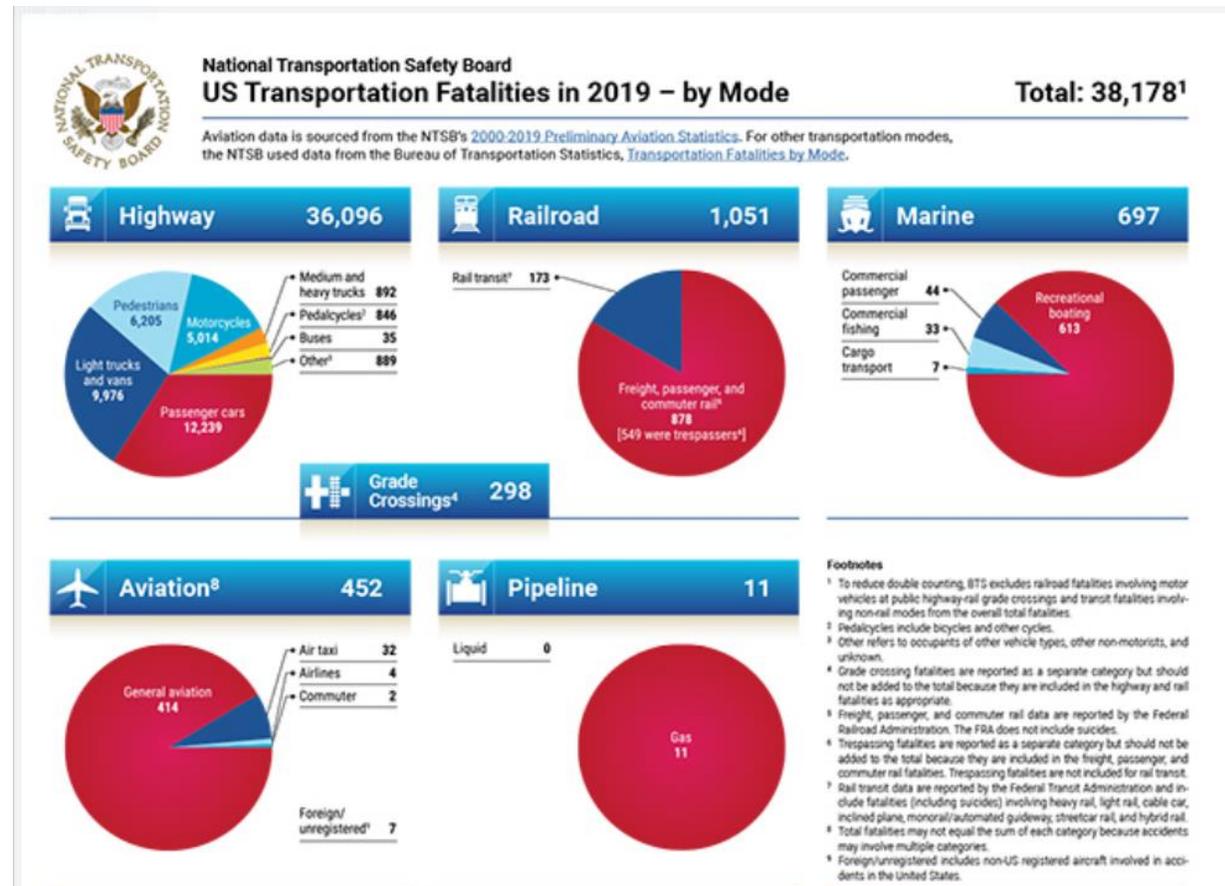
- Complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.
- Feel free to use two lines for a single case if you need to.
- Complete the 5 steps for each case.

Establishment name: XYZ company
City: Anytown State: MA

Step 1. Identify the person			Step 2. Describe the case			Step 3. Classify the case			Step 4. Enter the number of days lost or of work lost		Step 5. Select one column																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
(A) Case no.	(B) Employee's name	(C) Job title (e.g., Worker)	(D) Date of injury or onset of illness (e.g., 2/18)	(E) Where the event occurred (e.g., Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g., "Caught finger in right forklift's pneumatic tire")	Death (G)	Days away from work (H)	Job transfer or restriction (I)	Other recordable cases (J)	Medical treatment beyond first aid (K)	Days lost or work lost (L)	(M) (1) No loss of consciousness, restricted work activity, or job transfer	(2) Lost 1 day	(3) Lost 2 days	(4) Lost 3 days	(5) Lost 4 days	(6) Lost 5 days	(7) Lost 6 days	(8) Lost 7 days	(9) Lost 8 days	(10) Lost 9 days	(11) Lost 10 days	(12) Lost 11 days	(13) Lost 12 days	(14) Lost 13 days	(15) Lost 14 days	(16) Lost 15 days	(17) Lost 16 days	(18) Lost 17 days	(19) Lost 18 days	(20) Lost 19 days	(21) Lost 20 days	(22) Lost 21 days	(23) Lost 22 days	(24) Lost 23 days	(25) Lost 24 days	(26) Lost 25 days	(27) Lost 26 days	(28) Lost 27 days	(29) Lost 28 days	(30) Lost 29 days	(31) Lost 30 days	(32) Lost 31 days	(33) Lost 32 days	(34) Lost 33 days	(35) Lost 34 days	(36) Lost 35 days	(37) Lost 36 days	(38) Lost 37 days	(39) Lost 38 days	(40) Lost 39 days	(41) Lost 40 days	(42) Lost 41 days	(43) Lost 42 days	(44) Lost 43 days	(45) Lost 44 days	(46) Lost 45 days	(47) Lost 46 days	(48) Lost 47 days	(49) Lost 48 days	(50) Lost 49 days	(51) Lost 50 days	(52) Lost 51 days	(53) Lost 52 days	(54) Lost 53 days	(55) Lost 54 days	(56) Lost 55 days	(57) Lost 56 days	(58) Lost 57 days	(59) Lost 58 days	(60) Lost 59 days	(61) Lost 60 days	(62) Lost 61 days	(63) Lost 62 days	(64) Lost 63 days	(65) Lost 64 days	(66) Lost 65 days	(67) Lost 66 days	(68) Lost 67 days	(69) Lost 68 days	(70) Lost 69 days	(71) Lost 70 days	(72) Lost 71 days	(73) Lost 72 days	(74) Lost 73 days	(75) Lost 74 days	(76) Lost 75 days	(77) Lost 76 days	(78) Lost 77 days	(79) Lost 78 days	(80) Lost 79 days	(81) Lost 80 days	(82) Lost 81 days	(83) Lost 82 days	(84) Lost 83 days	(85) Lost 84 days	(86) Lost 85 days	(87) Lost 86 days	(88) Lost 87 days	(89) Lost 88 days	(90) Lost 89 days	(91) Lost 90 days	(92) Lost 91 days	(93) Lost 92 days	(94) Lost 93 days	(95) Lost 94 days	(96) Lost 95 days	(97) Lost 96 days	(98) Lost 97 days	(99) Lost 98 days	(100) Lost 99 days	(101) Lost 100 days	(102) Lost 101 days	(103) Lost 102 days	(104) Lost 103 days	(105) Lost 104 days	(106) Lost 105 days	(107) Lost 106 days	(108) Lost 107 days	(109) Lost 108 days	(110) Lost 109 days	(111) Lost 110 days	(112) Lost 111 days	(113) Lost 112 days	(114) Lost 113 days	(115) Lost 114 days	(116) Lost 115 days	(117) Lost 116 days	(118) Lost 117 days	(119) Lost 118 days	(120) Lost 119 days	(121) Lost 120 days	(122) Lost 121 days	(123) Lost 122 days	(124) Lost 123 days	(125) Lost 124 days	(126) Lost 125 days	(127) Lost 126 days	(128) Lost 127 days	(129) Lost 128 days	(130) Lost 129 days	(131) Lost 130 days	(132) Lost 131 days	(133) Lost 132 days	(134) Lost 133 days	(135) Lost 134 days	(136) Lost 135 days	(137) Lost 136 days	(138) Lost 137 days	(139) Lost 138 days	(140) Lost 139 days	(141) Lost 140 days	(142) Lost 141 days	(143) Lost 142 days	(144) Lost 143 days	(145) Lost 144 days	(146) Lost 145 days	(147) Lost 146 days	(148) Lost 147 days	(149) Lost 148 days	(150) Lost 149 days	(151) Lost 150 days	(152) Lost 151 days	(153) Lost 152 days	(154) Lost 153 days	(155) Lost 154 days	(156) Lost 155 days	(157) Lost 156 days	(158) Lost 157 days	(159) Lost 158 days	(160) Lost 159 days	(161) Lost 160 days	(162) Lost 161 days	(163) Lost 162 days	(164) Lost 163 days	(165) Lost 164 days	(166) Lost 165 days	(167) Lost 166 days	(168) Lost 167 days	(169) Lost 168 days	(170) Lost 169 days	(171) Lost 170 days	(172) Lost 171 days	(173) Lost 172 days	(174) Lost 173 days	(175) Lost 174 days	(176) Lost 175 days	(177) Lost 176 days	(178) Lost 177 days	(179) Lost 178 days	(180) Lost 179 days	(181) Lost 180 days	(182) Lost 181 days	(183) Lost 182 days	(184) Lost 183 days	(185) Lost 184 days	(186) Lost 185 days	(187) Lost 186 days	(188) Lost 187 days	(189) Lost 188 days	(190) Lost 189 days	(191) Lost 190 days	(192) Lost 191 days	(193) Lost 192 days	(194) Lost 193 days	(195) Lost 194 days	(196) Lost 195 days	(197) Lost 196 days	(198) Lost 197 days	(199) Lost 198 days	(200) Lost 199 days	(201) Lost 200 days	(202) Lost 201 days	(203) Lost 202 days	(204) Lost 203 days	(205) Lost 204 days	(206) Lost 205 days	(207) Lost 206 days	(208) Lost 207 days	(209) Lost 208 days	(210) Lost 209 days	(211) Lost 210 days	(212) Lost 211 days	(213) Lost 212 days	(214) Lost 213 days	(215) Lost 214 days	(216) Lost 215 days	(217) Lost 216 days	(218) Lost 217 days	(219) Lost 218 days	(220) Lost 219 days	(221) Lost 220 days	(222) Lost 221 days	(223) Lost 222 days	(224) Lost 223 days	(225) Lost 224 days	(226) Lost 225 days	(227) Lost 226 days	(228) Lost 227 days	(229) Lost 228 days	(230) Lost 229 days	(231) Lost 230 days	(232) Lost 231 days	(233) Lost 232 days	(234) Lost 233 days	(235) Lost 234 days	(236) Lost 235 days	(237) Lost 236 days	(238) Lost 237 days	(239) Lost 238 days	(240) Lost 239 days	(241) Lost 240 days	(242) Lost 241 days	(243) Lost 242 days	(244) Lost 243 days	(245) Lost 244 days	(246) Lost 245 days	(247) Lost 246 days	(248) Lost 247 days	(249) Lost 248 days	(250) Lost 249 days	(251) Lost 250 days	(252) Lost 251 days	(253) Lost 252 days	(254) Lost 253 days	(255) Lost 254 days	(256) Lost 255 days	(257) Lost 256 days	(258) Lost 257 days	(259) Lost 258 days	(260) Lost 259 days	(261) Lost 260 days	(262) Lost 261 days	(263) Lost 262 days	(264) Lost 263 days	(265) Lost 264 days	(266) Lost 265 days	(267) Lost 266 days	(268) Lost 267 days	(269) Lost 268 days	(270) Lost 269 days	(271) Lost 270 days	(272) Lost 271 days	(273) Lost 272 days	(274) Lost 273 days	(275) Lost 274 days	(276) Lost 275 days	(277) Lost 276 days	(278) Lost 277 days	(279) Lost 278 days	(280) Lost 279 days	(281) Lost 280 days	(282) Lost 281 days	(283) Lost 282 days	(284) Lost 283 days	(285) Lost 284 days	(286) Lost 285 days	(287) Lost 286 days	(288) Lost 287 days	(289) Lost 288 days	(290) Lost 289 days	(291) Lost 290 days	(292) Lost 291 days	(293) Lost 292 days	(294) Lost 293 days	(295) Lost 294 days	(296) Lost 295 days	(297) Lost 296 days	(298) Lost 297 days	(299) Lost 298 days	(300) Lost 299 days	(301) Lost 300 days	(302) Lost 301 days	(303) Lost 302 days	(304) Lost 303 days	(305) Lost 304 days	(306) Lost 305 days	(307) Lost 306 days	(308) Lost 307 days	(309) Lost 308 days	(310) Lost 309 days	(311) Lost 310 days	(312) Lost 311 days	(313) Lost 312 days	(314) Lost 313 days	(315) Lost 314 days	(316) Lost 315 days	(317) Lost 316 days	(318) Lost 317 days	(319) Lost 318 days	(320) Lost 319 days	(321) Lost 320 days	(322) Lost 321 days	(323) Lost 322 days	(324) Lost 323 days	(325) Lost 324 days	(326) Lost 325 days	(327) Lost 326 days	(328) Lost 327 days	(329) Lost 328 days	(330) Lost 329 days	(331) Lost 330 days	(332) Lost 331 days	(333) Lost 332 days	(334) Lost 333 days	(335) Lost 334 days	(336) Lost 335 days	(337) Lost 336 days	(338) Lost 337 days	(339) Lost 338 days	(340) Lost 339 days	(341) Lost 340 days	(342) Lost 341 days	(343) Lost 342 days	(344) Lost 343 days	(345) Lost 344 days	(346) Lost 345 days	(347) Lost 346 days	(348) Lost 347 days	(349) Lost 348 days	(350) Lost 349 days	(351) Lost 350 days	(352) Lost 351 days	(353) Lost 352 days	(354) Lost 353 days	(355) Lost 354 days	(356) Lost 355 days	(357) Lost 356 days	(358) Lost 357 days	(359) Lost 358 days	(360) Lost 359 days	(361) Lost 360 days	(362) Lost 361 days	(363) Lost 362 days	(364) Lost 363 days	(365) Lost 364 days	(366) Lost 365 days	(367) Lost 366 days	(368) Lost 367 days	(369) Lost 368 days	(370) Lost 369 days	(371) Lost 370 days	(372) Lost 371 days	(373) Lost 372 days	(374) Lost 373 days	(375) Lost 374 days	(376) Lost 375 days	(377) Lost 376 days	(378) Lost 377 days	(379) Lost 378 days	(380) Lost 379 days	(381) Lost 380 days	(382) Lost 381 days	(383) Lost 382 days	(384) Lost 383 days	(385) Lost 384 days	(386) Lost 385 days	(387) Lost 386 days	(388) Lost 387 days	(389) Lost 388 days	(390) Lost 389 days	(391) Lost 390 days	(392) Lost 391 days	(393) Lost 392 days	(394) Lost 393 days	(395) Lost 394 days	(396) Lost 395 days	(397) Lost 396 days	(398) Lost 397 days	(399) Lost 398 days	(400) Lost 399 days	(401) Lost 400 days	(402) Lost 401 days	(403) Lost 402 days	(404) Lost 403 days	(405) Lost 404 days	(406) Lost 405 days	(407) Lost 406 days	(408) Lost 407 days	(409) Lost 408 days	(410) Lost 409 days	(411) Lost 410 days	(412) Lost 411 days	(413) Lost 412 days	(414) Lost 413 days	(415) Lost 414 days	(416) Lost 415 days	(417) Lost 416 days	(418) Lost 417 days	(419) Lost 418 days	(420) Lost 419 days	(421) Lost 420 days	(422) Lost 421 days	(423) Lost 422 days	(424) Lost 423 days	(425) Lost 424 days	(426) Lost 425 days	(427) Lost 426 days	(428) Lost 427 days	(429) Lost 428 days	(430) Lost 429 days	(431) Lost 430 days	(432) Lost 431 days	(433) Lost 432 days	(434) Lost 433 days	(435) Lost 434 days	(436) Lost 435 days	(437) Lost 436 days	(438) Lost 437 days	(439) Lost 438 days	(440) Lost 439 days	(441) Lost 440 days	(442) Lost 441 days	(443) Lost 442 days	(444) Lost 443 days	(445) Lost 444 days	(446) Lost 445 days	(447) Lost 446 days	(448) Lost 447 days	(449) Lost 448 days	(450) Lost 449 days	(451) Lost 450 days	(452) Lost 451 days	(453) Lost 452 days	(454) Lost 453 days	(455) Lost 454 days	(456) Lost 455 days	(457) Lost 456 days	(458) Lost 457 days	(459) Lost 458 days	(460) Lost 459 days	(461) Lost 460 days	(462) Lost 461 days	(463) Lost 462 days	(464) Lost 463 days	(465) Lost 464 days	(466) Lost 465 days	(467) Lost 466 days	(468) Lost 467 days	(469) Lost 468 days	(470) Lost 469 days	(471) Lost 470 days	(472) Lost 471 days	(473) Lost 472 days	(474) Lost 473 days	(475) Lost 474 days	(476) Lost 475 days	(477) Lost 476 days	(478) Lost 477 days	(479) Lost 478 days	(480) Lost 479 days	(481) Lost 480 days	(482) Lost 481 days	(483) Lost 482 days	(484) Lost 483 days	(485) Lost 484 days	(486) Lost 485 days	(487) Lost 486 days	(488) Lost 487 days	(489) Lost 488 days	(490) Lost 489 days	(491) Lost 490 days	(492) Lost 491 days	(493) Lost 492 days	(494) Lost 493 days	(495) Lost 494 days	(496) Lost 495 days	(497) Lost 496 days	(498) Lost 497 days	(499) Lost 498 days	(500) Lost 499 days	(501) Lost 500 days	(502) Lost 501 days	(503) Lost 502 days	(504) Lost 503 days	(505) Lost 504 days	(506) Lost 505 days	(507) Lost 506 days	(508) Lost 507 days	(509) Lost 508 days	(510) Lost 509 days	(511) Lost 510 days	(512) Lost 511 days	(513) Lost 512 days	(514) Lost 513 days	(515) Lost 514 days	(516) Lost 515 days	(517) Lost 516 days	(518) Lost 517 days	(519) Lost 518 days	(520) Lost 519 days	(521) Lost 520 days	(522) Lost 521 days	(523) Lost 522 days	(524) Lost 523 days	(525) Lost 524 days	(526) Lost 525 days	(527) Lost 526 days	(528) Lost 527 days	(529) Lost 528 days	(530) Lost 529 days	(531) Lost 530 days	(532) Lost 531 days	(533) Lost 532 days	(534) Lost 533 days	(535) Lost 534 days	(536) Lost 535 days	(537) Lost 536 days	(538) Lost 537 days	(539) Lost 538 days	(540) Lost 539 days	(541) Lost 540 days	(542) Lost 541 days	(543) Lost 542 days	(544) Lost 543 days	(545) Lost 544 days	(546) Lost 545 days	(547) Lost 546 days	(548) Lost 547 days	(549) Lost 548 days	(550) Lost 549 days	(551) Lost 550 days	(552) Lost 551 days	(553) Lost 552 days	(554) Lost 553 days	(555) Lost 554 days	(556) Lost 555 days	(557) Lost 556 days	(558) Lost 557 days	(559) Lost 558 days	(560) Lost 559 days	(561) Lost 560 days	(562) Lost 561 days	(563) Lost 562 days	(564) Lost 563 days	(565) Lost 564 days	(566) Lost 565 days	(567) Lost 566 days	(568) Lost 567 days	(569) Lost 568 days	(570) Lost 569 days	(571) Lost 570 days	(572) Lost 571 days	(573) Lost 572 days	(574) Lost 573 days	(575) Lost 574 days	(576) Lost 575 days	(577) Lost 576 days	(578) Lost 577 days	(579) Lost 578 days	(580) Lost 579 days	(581) Lost 580 days	(582) Lost 581 days	(583) Lost 582 days	(584) Lost 583 days	(585) Lost 584 days	(586) Lost 585 days	(587) Lost 586 days	(588) Lost 587 days	(589) Lost 588 days	(590) Lost 589 days	(591) Lost 590 days	(592) Lost 591 days	(593) Lost 592 days	(594) Lost 593 days	(595) Lost 594 days	(596) Lost 595 days	(597) Lost 596 days	(598) Lost 597 days	(599) Lost 598 days	(600) Lost 599 days	(601) Lost 600 days	(602) Lost 601 days	(603) Lost 602 days	(604) Lost 603 days	(605) Lost 604 days	(606) Lost 605 days	(607) Lost 606 days	(608) Lost 607 days	(609) Lost 608 days	(610) Lost 609 days	(611) Lost 610 days	(612) Lost 611 days	(613) Lost 612 days	(614) Lost 613 days	(615) Lost 614 days	(616) Lost 615 days	(617) Lost 616 days	(618) Lost 617 days	(619) Lost 618 days	(620) Lost 619 days	(621) Lost 620 days	(622) Lost 621 days	(623) Lost 622 days	(624) Lost 623 days	(625) Lost 624 days	(626) Lost 625 days	(627) Lost 626 days	(628) Lost 627 days	(629) Lost 628 days	(630) Lost 629 days	(631) Lost 630 days	(632) Lost 631 days	(633) Lost 632 days	(634) Lost 633 days	(635) Lost 634 days	(636) Lost 635 days	(637) Lost 636 days	(638) Lost 637 days	(639) Lost 638 days	(640) Lost 639 days	(641) Lost 640 days	(642) Lost 641 days	(643) Lost 642 days	(644) Lost 643 days	(645) Lost 644 days	(646) Lost 645 days	(647) Lost 646 days	(648) Lost 647 days	(649) Lost 648 days	(650) Lost 649 days	(651) Lost 650 days	(652) Lost 651 days	(653) Lost 652 days	(654) Lost 653 days	(655) Lost 654 days	(656) Lost 655 days	(657) Lost 656 days	(658) Lost 657 days	(659) Lost 658 days	(660) Lost 659 days	(661) Lost 660 days	(662) Lost 661 days	(663) Lost 662 days	(664) Lost 663 days	(665) Lost 664 days	(666) Lost 665 days	(667) Lost 666 days	(668) Lost 667 days	(669) Lost 668 days	(670) Lost 669 days	(671) Lost 670 days	(672) Lost 671 days	(673) Lost 672 days	(674) Lost 673 days	(675) Lost 674 days	(676) Lost 675 days	(677) Lost 676 days	(678) Lost 677 days	(679) Lost 678 days	(680) Lost 679 days	(681) Lost 680 days	(682) Lost 681 days	(683) Lost 682 days	(684) Lost 683 days	(685) Lost 684 days	(686) Lost 685 days	(687) Lost 686 days	(688) Lost 687 days	(689) Lost 688 days	(690) Lost 689 days	(691) Lost 690 days	(692) Lost 691 days	(693) Lost 692 days	(694) Lost 693 days	(695) Lost 694 days	(696) Lost 695 days	(697) Lost 696 days	(698) Lost 697 days	(699) Lost 698 days	(700) Lost 699 days	(701) Lost 700 days	(702) Lost 701 days	(703) Lost 702 days	(704) Lost 703 days	(705) Lost 704 days	(706) Lost 705 days	(707) Lost 706 days	(708) Lost 707 days	(709) Lost 708 days	(710) Lost 709 days	(711) Lost 710 days	(712) Lost 711 days	(713) Lost 712 days	(714) Lost 713 days	(715) Lost 714 days	(716) Lost 715 days	(717) Lost 716 days	(718) Lost 717 days	(719) Lost 718 days	(720) Lost 719 days	(721) Lost 720 days	(722) Lost 721 days

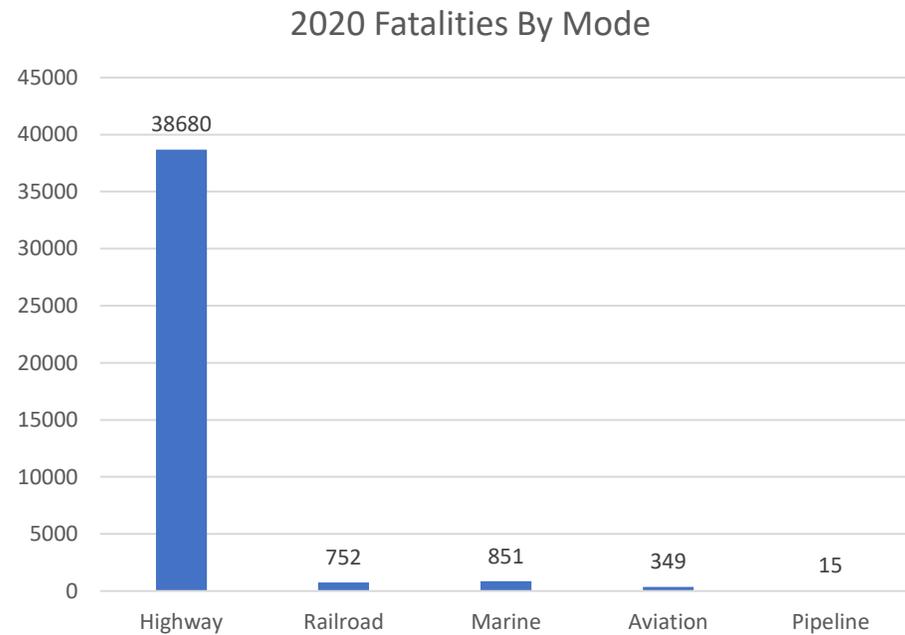
Natural Gas is Part of the Solution

- Safety – Great Communications



Natural Gas is Part of the Solution

- Natural Gas Safety



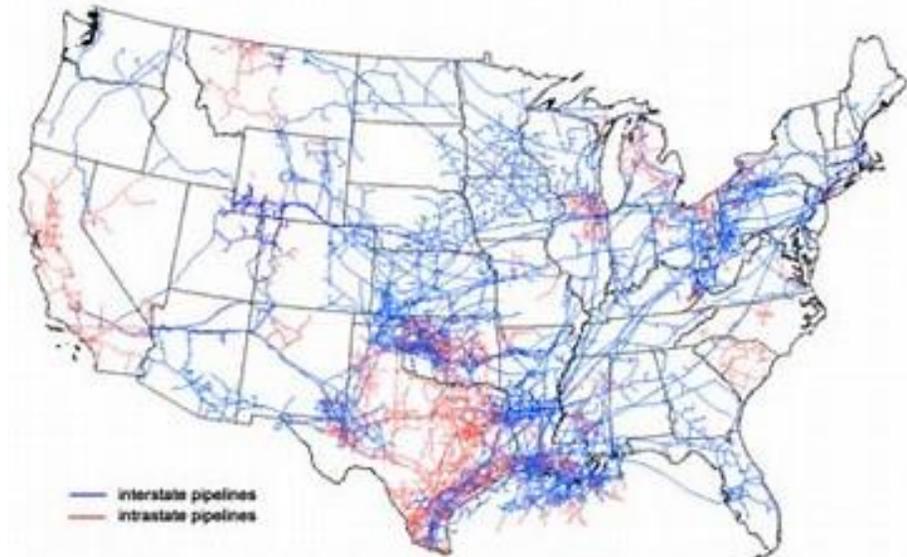
Natural Gas is Part of the Solution

- Safety – Great Communications



- 3.9 million miles
- 36,096 fatalities

Map of U.S. interstate and intrastate natural gas pipelines



Source: U.S. Energy Information Administration, *About U.S. Natural Gas Pipelines*

- 2.6 million miles
- 11 fatalities

Natural Gas is Part of the Solution

- Low Carbon – Good Communications

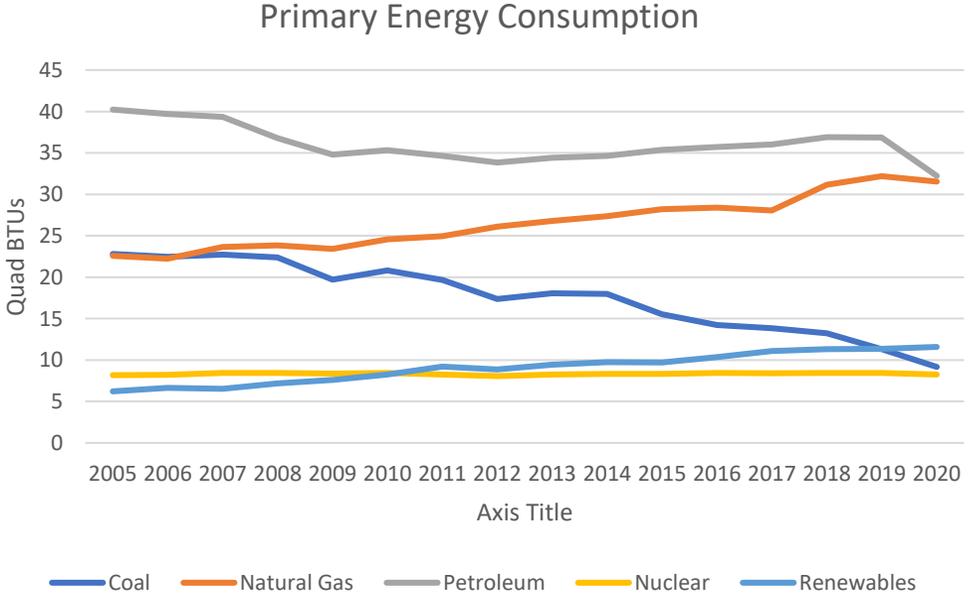
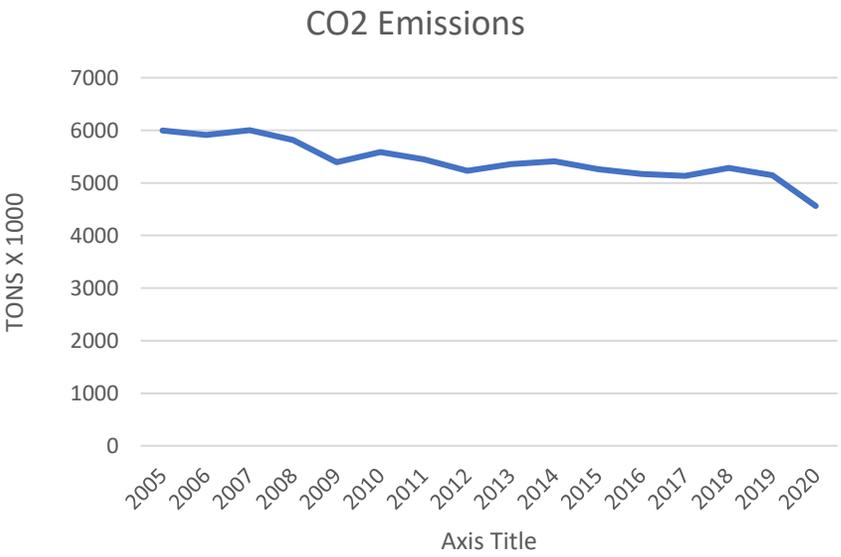
Carbon Dioxide Emissions Coefficients by Fuel

Carbon Dioxide (CO ₂) Factors:	Pounds CO ₂	Kilograms CO ₂	Pounds CO ₂	Kilograms CO ₂
	Per Unit of Volume or Mass	Volume or Mass	Million Btu	Million Btu
For homes and businesses				
Propane	12.70/gallon	5.76/gallon	139.05	63.07
Butane	14.80/gallon	6.71/gallon	143.20	64.95
Butane/Propane Mix	13.70/gallon	6.21/gallon	141.12	64.01
Home Heating and Diesel Fuel (Distillate)	22.40/gallon	10.16/gallon	161.30	73.16
Kerosene	21.50/gallon	9.75/gallon	159.40	72.30
Coal (All types)	4,631.50/short ton	2,100.82/short ton	210.20	95.35
Natural Gas	117.10/thousand cubic feet	53.12/thousand cubic feet	117.00	53.07
Gasoline	19.60/gallon	8.89/gallon	157.20	71.30
Residual Heating Fuel (Businesses only)	26.00/gallon	11.79/gallon	173.70	78.79

Natural Gas is Part of the Solution

Low Carbon – Great Communications

- The US has reduced energy-related carbon emissions since 2005
- The EIA attributes these reductions to increased natural gas use for electricity generation purposes

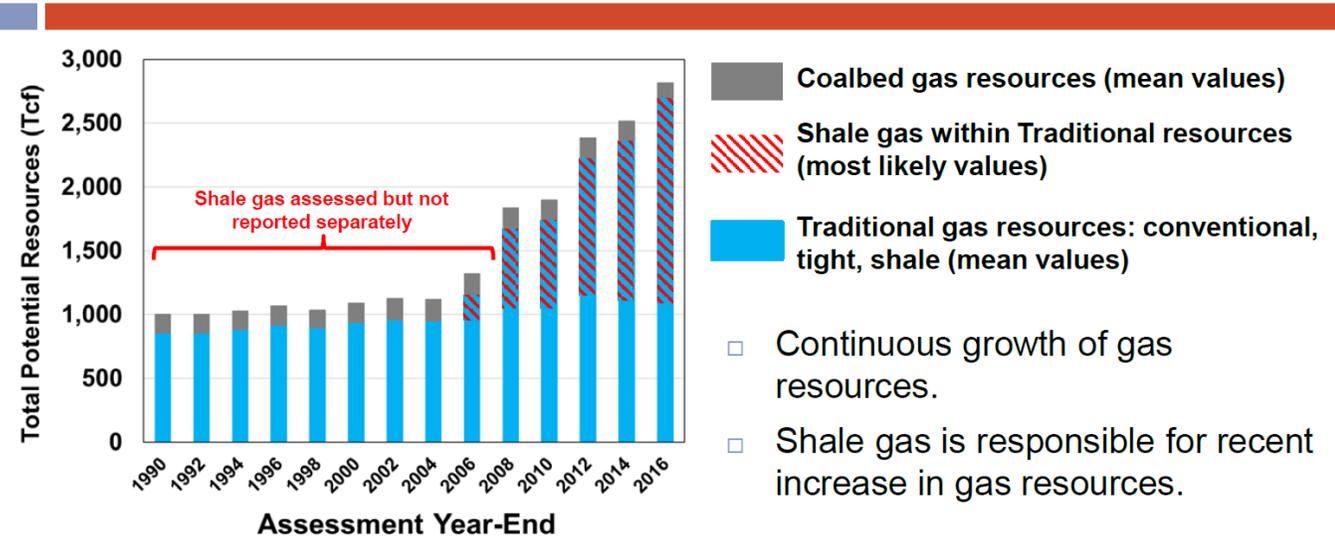


Natural Gas is Part of the Solution

- Abundance – Good Communications

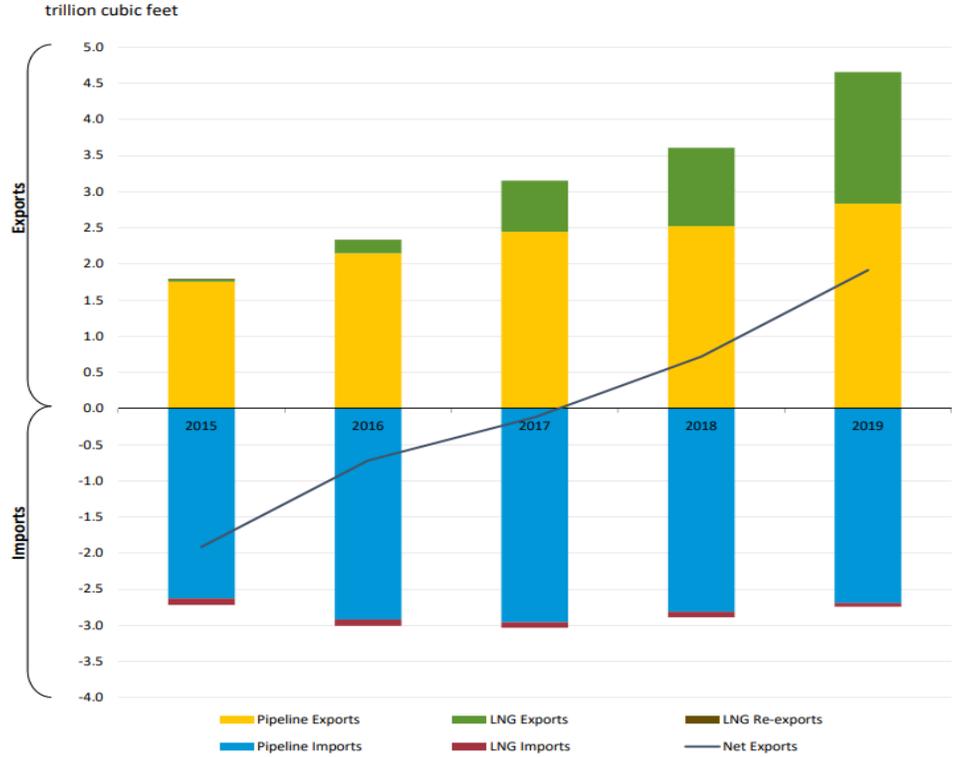
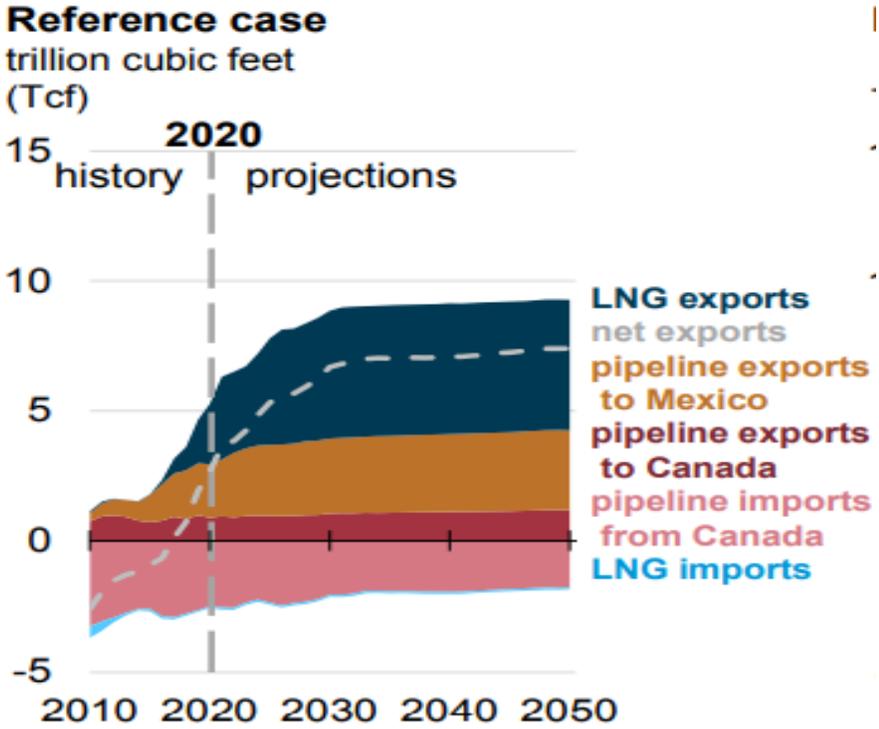
- The Potential Gas Committee consists of 80 knowledgeable and highly experienced volunteers who work in the exploration, production, transportation and distribution industries

PGC gas resource assessments, 1990-2016



Natural Gas is Part of the Solution

- Abundance – Great Communications



Natural Gas is Part of the Solution

Abundance – Great Communications

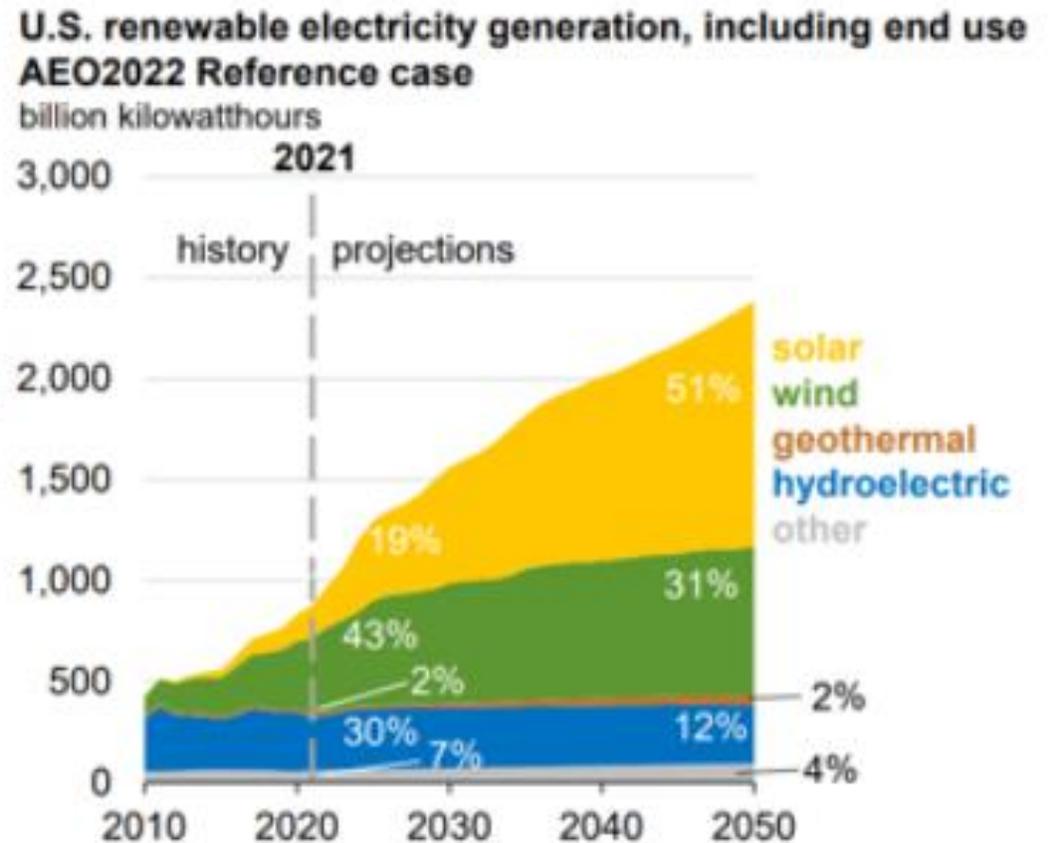
- Lowers carbon emissions
- Replaces coal in some locations
- Replaces wood and dung in many locations
- Improves health and saves lives around the world



Natural Gas is Part of the Solution

- Renewables – Background Data

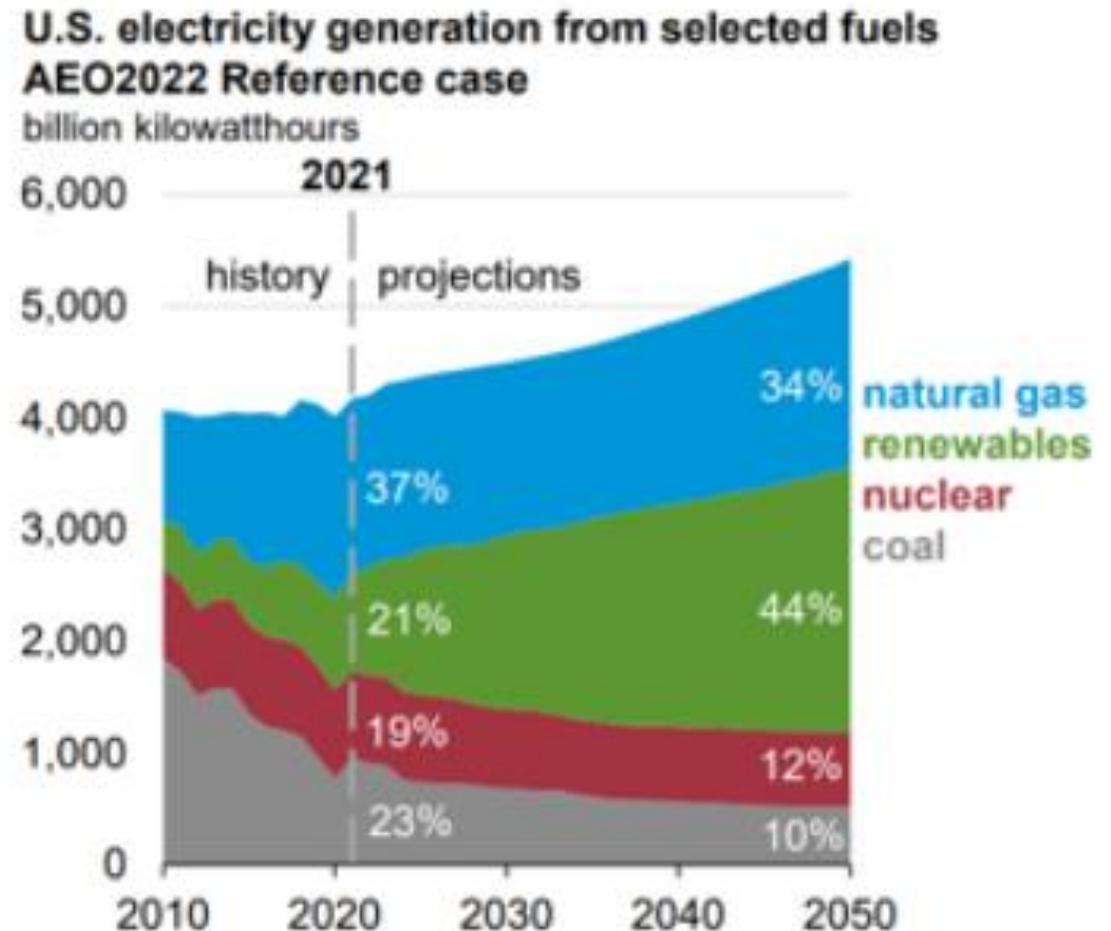
- EIA projects that renewable electric generation will grow quickly.
- Wind has been the fastest growing but solar will soon overtake solar.



Natural Gas is Part of the Solution

- Renewables – Good Communications

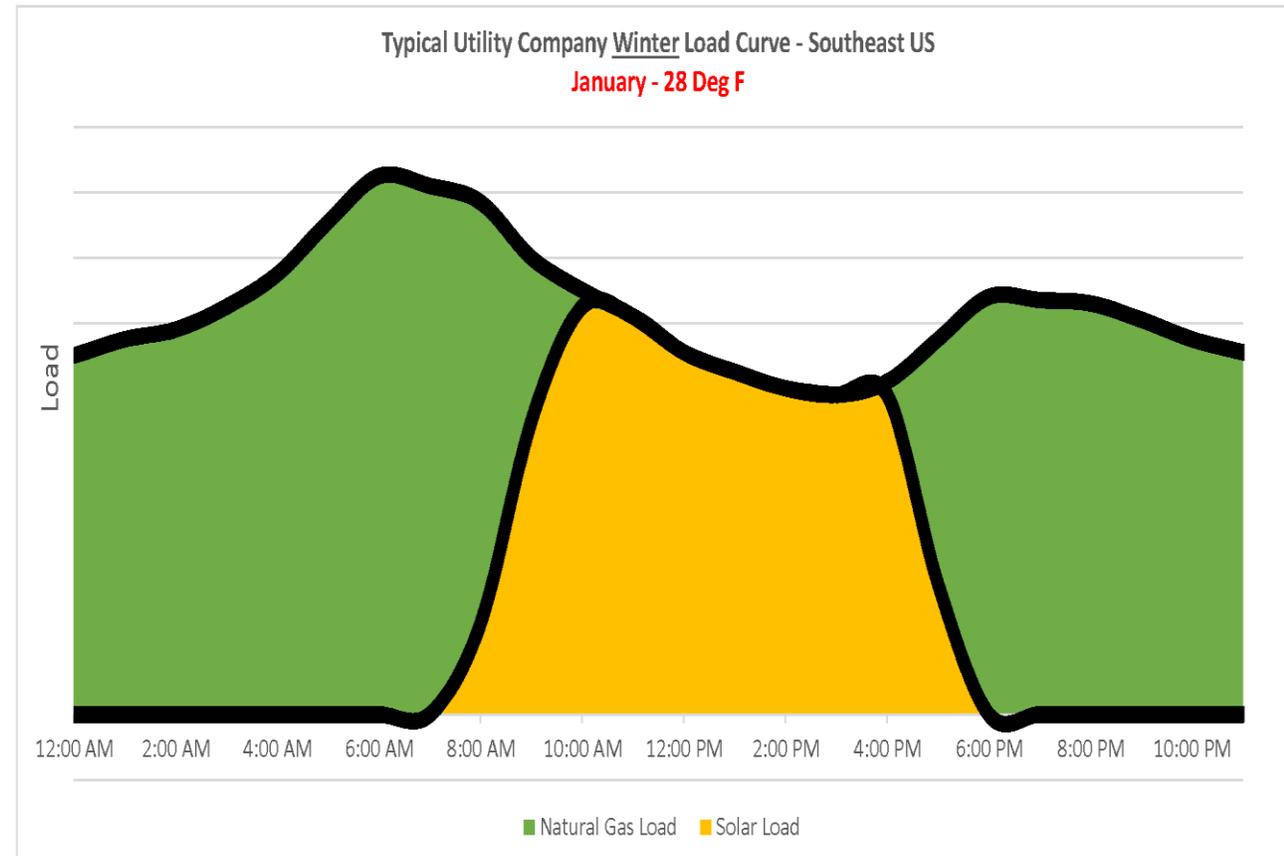
- Renewables will make bigger and bigger contributions.
- Coal will continue to decline but it is still in use.
- Total energy needs continue to grow.
- Even through 2050 natural gas is still a significant source of energy.



Natural Gas is Part of the Solution

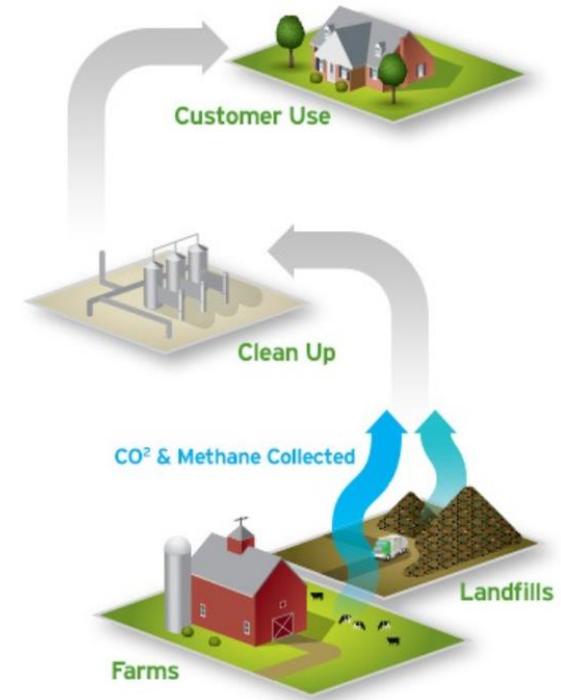
- Renewables – Great Communications

- Natural gas is critical to the success of renewables.



Natural Gas is Part of the Solution

- Renewables – Great Communications
 - Renewables include more than solar, wind and hydroelectric.
 - RNG provides the very real opportunity for zero or negative emissions.



Courtesy of the American Gas Association

Natural Gas is Part of the Solution

- Call to Action – Personal Communications

- Open yourself up to conversations.
- Use information from third party sources.
- Use data that can be visualized.
- Occasionally employ shock or surprise.



Natural Gas is Part of the Solution

- What Not To Do

- Don't shy away from these conversations.
- Don't make excuses.
- Don't apologize for being in the energy business.
- Don't blame others.
- Don't argue nuances.
- Don't regard others as the enemy.



Natural Gas is Part of the Solution

- Reason for Optimism
 - More than 50% of the population is persuadable about energy.
 - 150+ million people that are our family, friends and neighbors.



Natural Gas is Part of the Solution

- Reason for Optimism

- The most trusted messengers are our own employees.
- This needs to be a grassroots effort.



Natural Gas is Part of the Solution

- Reason for Optimism

- Recognize what others see
- Listen to concerns
- Study and learn all you can
- Be willing and passionate
- Incorporate elements that are visual, relatable and memorable
- Create a compelling vision
- Stay agile and innovate
- Play offense and defense
- Be a champion for natural gas



Natural Gas is Part of the Solution

- **Become a Champion for our Industry**

Natural gas is essential, and in order to remain relevant and at the forefront of energy, we must pivot our message to the message of greatness; safe delivery of the essential energy that fuels a thriving nation. Please join me in this effort.





Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

Regulatory Update

Dave Dewey
Vice President – Regulatory Affairs

The Federal Energy Regulatory Commission

The Commissioners



Commissioner
Christie



Commissioner
Danly



Commissioner
Phillips



Chairman
Glick



Commissioner
Clements

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
- Kinder Morgan is active on INGAA and Kim Watson is the current chair

The Challenge

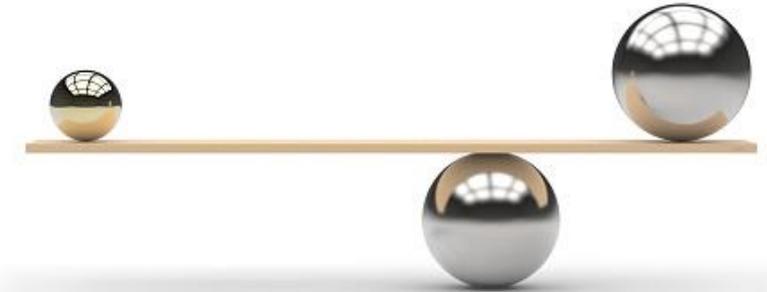
- Political pressures (national and international)
- Polarizing issues
- There is a path forward

Draft Pipeline Certificate 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
- Historically, the industry has been successful in persuading the Commission to grant its certificate applications using historical qualitative balancing tests

Draft GHG Emissions Policy Statement

- Some concerns over assessing significance and mitigation
- Rebuttable presumption of a “significant” environmental impact if emissions reach 100,000 metric tons per year
- Full burn assumption to determine if EIS is needed / Actual utilization used for offsets and mitigation
- FERC claims authority to mitigate both upstream or downstream emissions, but prioritizes mitigation of direct emissions to the greatest extent possible
- Commission will evaluate proposed mitigation on a case-by-case basis and without a mandatory standard level of mitigation



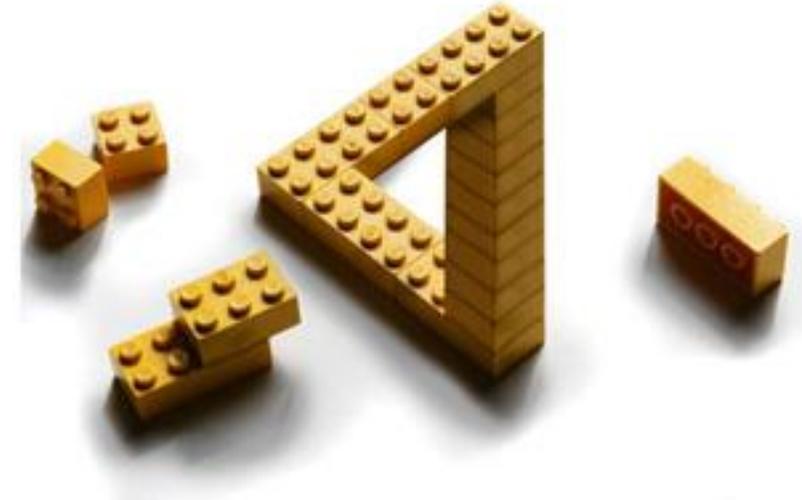
Wait a minute ... can they do that???

A Threshold Question

- Can the FERC condition its certificate orders on environmental outcomes?

Sabal Trail

- “Because FERC could deny a pipeline certificate on the ground that the pipeline would be too harmful to the environment...”
- Congress did not authorize FERC to reject a certificate for a facility that is otherwise found to be needed under the NGA solely because of its estimated potential impacts on global climate change.
- The court assumed the answer rather than deciding it – and now considers the point decided.



What were Congress' purposes in the NGA?

- The principal purpose is economic, but subsidiary purposes include environmental.

GHG Mitigation

- If imposing mitigation for direct and indirect emissions discourages or forestalls pipeline development, the mitigation policy is directly contrary to the principal purpose of the Natural Gas Act.
- Congress delegated to EPA the decision whether and how to regulate carbon-dioxide emissions from stationary sources.

Where do we go from here?

Next Steps

- Initial comments were filed on April 25th
- Reply comments were filed on May 25th
- Both Kinder Morgan and INGAA filed comments (along with many other stakeholders)

A Reasonable Path Forward

- **Act** – Act on certificate applications within 120 days of issuance of an Environmental Impact Statement
- **Contain** – Don't consider upstream and downstream impacts when assessing whether a project is in the public convenience and necessity
- **Narrow** – Recognize that an Environmental Assessment often satisfies the FERC's obligation to assess environmental impacts
- **Focus** – Don't require project applicants to remediate historic harms inflicted by third parties unaffiliated with the pipeline

The Future of Energy in the U.S.

- Energy diversity is assured
- Cost, reliability and environmental impact tradeoffs are a real concern (economically and politically)

The Future of Energy Globally



In the meantime...

- 1999 Certificate Policy Statement remains in effect for now
- Draft Certificate Policy Statement and GHG Emissions Policy Statement will “be on hold” until it is voted on by the Commission
 - Commission is reviewing the comments that have been received
 - Final timing is uncertain
- Certificate processing requires...
 - FERC Chairman to place applications on the agenda; and
 - Three votes
- Commission is continuing to process applications and issue orders
- There remains some sentiment at FERC that...
 - Environmental considerations must be central to the Public Convenience & Necessity Analysis; and
 - Downstream climate impacts must be considered
- Capitol Hill will stay focused on the policy outcome
- Even if FERC issues final policy statements, they will likely be appealed



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

2024 Rate Case Update

- Current rates became effective as a part of the 2018 Rate Case Settlement
- SNG is currently obligated to file a rate case for new rates to be effective September 1, 2024
- As with prior rate cases, SNG will pursue a pre-filing settlement with its customers
 - Settlement discussions targeted to begin in the third quarter of 2023 with a goal for reaching a settlement by year-end 2023
 - SNG, as in previous rate cases, will afford the opportunity for informal discovery during settlement negotiations
 - If a settlement is filed in the first quarter of 2024, would anticipate FERC order issued during the summer of 2024