



ONEOK

NATURAL GAS PIPELINES - INTERSTATE

CUSTOMER / SHIPPER MEETING

CHICAGO, ILLINOIS

MAY 16, 2023



ONEOK

COMMERCIAL

JACKIE SOMMER, DIRECTOR

Arbuckle II Pipeline pipe yard — Oklahoma

Tuesday, May 16, 2023
9:30 a.m.

Agenda:

Welcome

Jackie Sommer

Commercial

Jackie Sommer, Kyle Keener, T.D. Eureste

Business Development

Cliff Allison

Operations

Johnnie Jarred

Rates / Regulatory

Alan Droll & Denise Adams

IT Applications

Jeremy Flynt

Environmental / Sustainability

Ashley Zickefoose

NATURAL GAS PIPELINES – MARKET CONNECTED

Interstate Natural Gas Pipelines

- ◆ ONEOK's Interstate Pipelines total more than 1,200 miles of high-pressure natural gas transmission.
 - Northern Border Pipeline totals more than 1,400 miles of pipeline
- ◆ Connected with major supply basins through third-party pipeline interconnections.
- ◆ Services many different types of end-users including municipal LDCs, power generation, industrial, and agricultural operations.

Pipeline Capacity:	> 5.5 Bcf/d ^{a)}
Third-party power generation served:	~ 5,000 megawatts
Pipeline and customer interconnects:	~ 120

a) Includes Northern Border Pipeline, in which ONEOK has a 50% ownership interest.



— Interstate Pipeline
- - - Northern Border (50% ownership interest)

CUSTOMER EXPERIENCE FOCUSED

IN DEVELOPMENT – OUTAGE INITIATIVE AND CALENDAR

- ◆ Outage Initiative Around Customer Experience.
 - Provide maintenance schedule.
 - Provide anticipated timing of planned outages.

- ◆ Future Outage Calendar.
 - Customers/Shippers can view future planned outages.
 - Provides estimated outage timing.
 - Provides outage status updates & completions of maintenance projects.

- ◆ Future Outage Map.
 - Customers/Shippers will be able to view outage area on an interactive map.
 - Data will be scoped to ONEOK's Interstate-specific systems.
 - Categorize and view outages by criticality.

- ◆ Estimated launch in Late 2023 or Early 2024.



ONEOK

COMMERCIAL CURRENT INITIATIVES

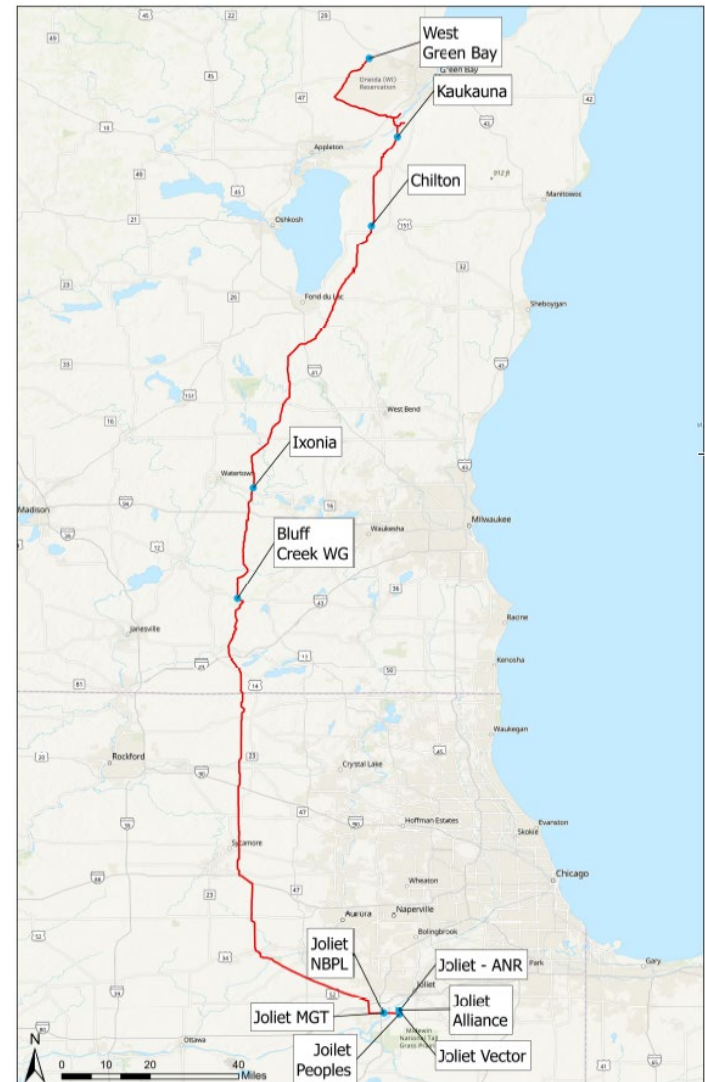
KYLE KEENER, MANAGER

CURRENT COMMERCIAL OPPORTUNITIES

OPEN SEASON – GUARDIAN PIPELINE

- ◆ Open Season for Currently Available Capacity:
 - Northbound, full path.
 - Rate Schedule FT-2.
 - Up to 25,000 Dth/day.
 - Receipt Point – Any Receipt in Joliet Hub, subject to available Point Capacity.
 - Delivery Point – Any Delivery on Guardian, subject to available Point Capacity.
 - Capacity Start Date: June 1, 2023.

- ◆ Key Information for Open Season:
 - ***Currently In progress.***
 - Open Season Bidding Started Friday, May 5, 2023.
 - Open Season Bidding Ends Friday, May 19, 2023.
 - Bids should be submitted on Guardian's EBB (Informational Postings > Customer Activities > Bid Form).

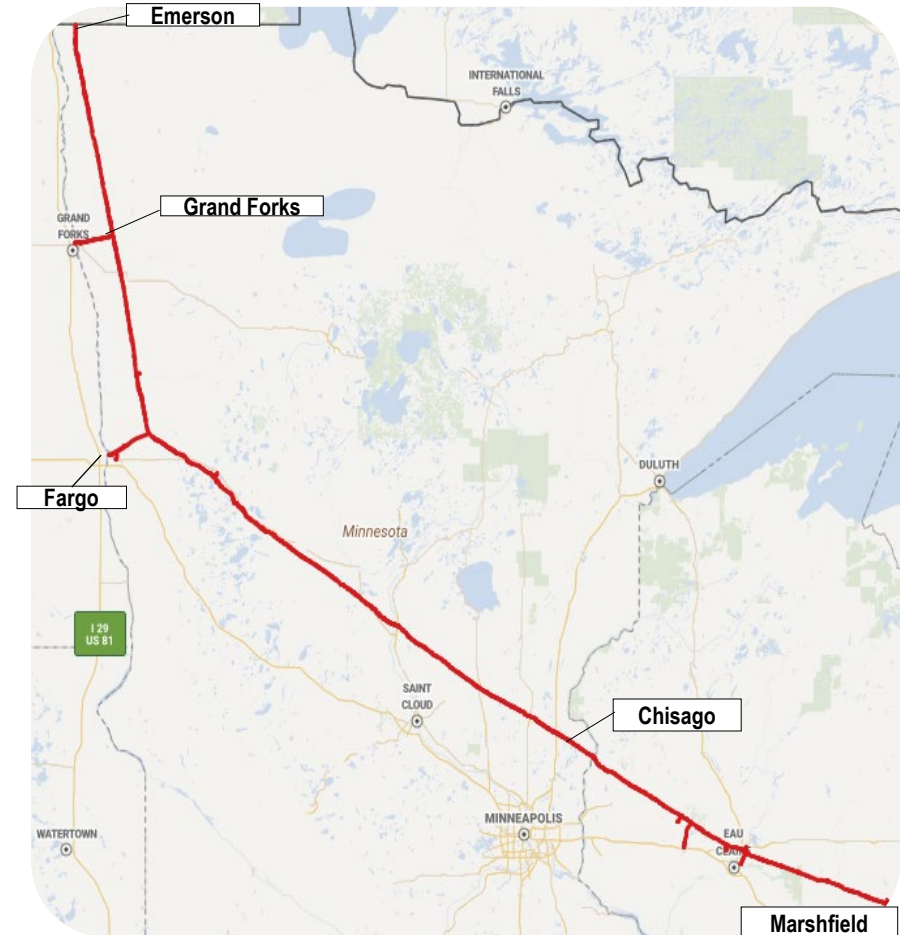


CURRENT COMMERCIAL OPPORTUNITIES

OPEN SEASON – VIKING GAS TRANSMISSION

- ◆ Open Season for Currently Available Capacity:
 - Rate Schedule FT-A.
 - Variable volume, path-dependent.
 - ◇ Full path up to 9,000 Dth/day.
 - ◇ Partial path between 15,000 – 29,000 Dth/day.
 - Receipt Point – TransCanada, Emerson.
 - Delivery Point – Any Delivery, including ANR Marshfield, subject to available capacity.
 - Capacity Start Date: June 1, 2023.

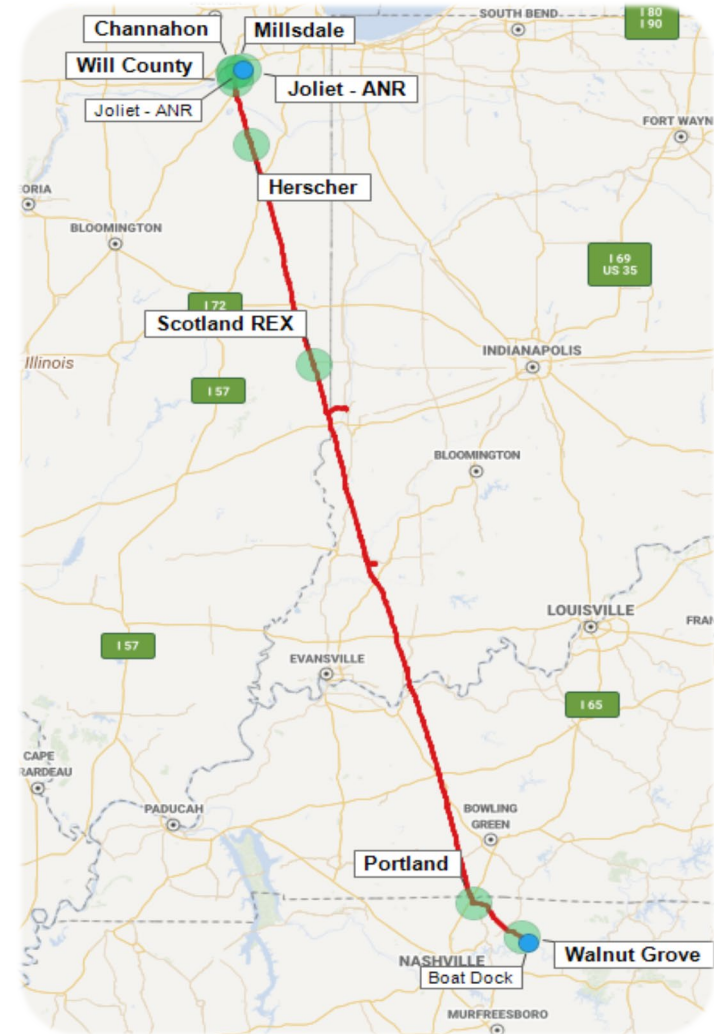
- ◆ Key Information for Open Season:
 - **Currently In progress.**
 - Open Season Bidding Begins Thursday, May 18, 2023.
 - Open Season Bidding Ends Tuesday, May 23, 2023.
 - Bids should be submitted on Viking's EBB (Informational Postings > Customer Activities > Bid Form).



CURRENT COMMERCIAL OPPORTUNITIES

OPEN SEASON – MIDWESTERN GAS TRANSMISSION

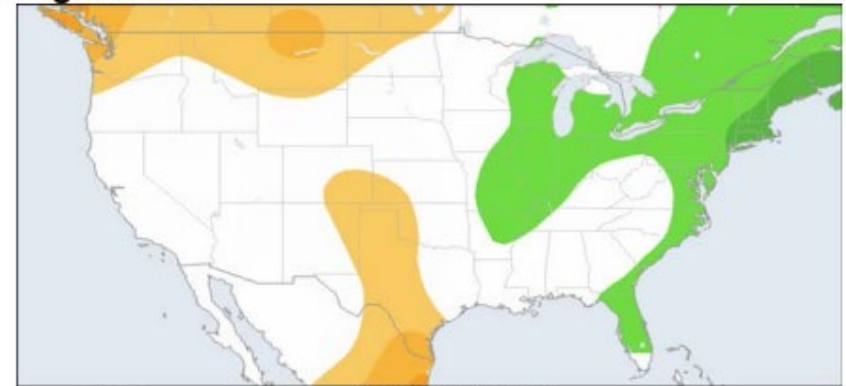
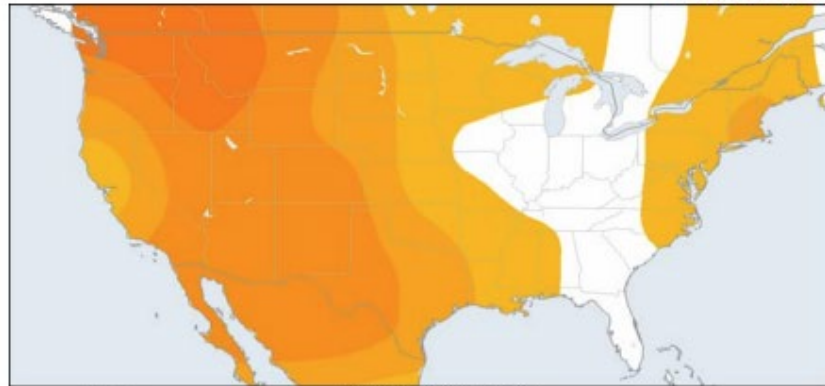
- ◆ Open Season for Currently Available Capacity:
 - Northbound, Mainline, partial path.
 - Rate Schedule FT-A.
 - Up to 130,000 Dth/day.
 - Receipt Point – Tennessee Gas, Portland.
 - Delivery Point – Any Delivery south of Paris Compressor Station #2215, subject to available Point Capacity.
 - Capacity Start Date: June 1, 2023.
 - Southbound, Eastern Extension.
 - Rate Schedule FT-B.
 - Up to 50,000 Dth/day.
 - Receipt Point – Tennessee Gas, Portland.
 - Delivery Point – Any Delivery point on Eastern Extension subject to available Point Capacity.
 - Capacity Start Date: June 1, 2023
- ◆ Key Information for Open Season:
 - **Currently In progress.**
 - Open Season Bidding Begins Thursday, May 18, 2023.
 - Open Season Bidding Ends Tuesday, May 23, 2023.
 - Bids to be submitted on Midwestern's EBB (Informational Postings > Customer Activities > Bid Form).
 - Bids for capacity may exceed Maximum Tariff Rate for purposes of NPV evaluation.



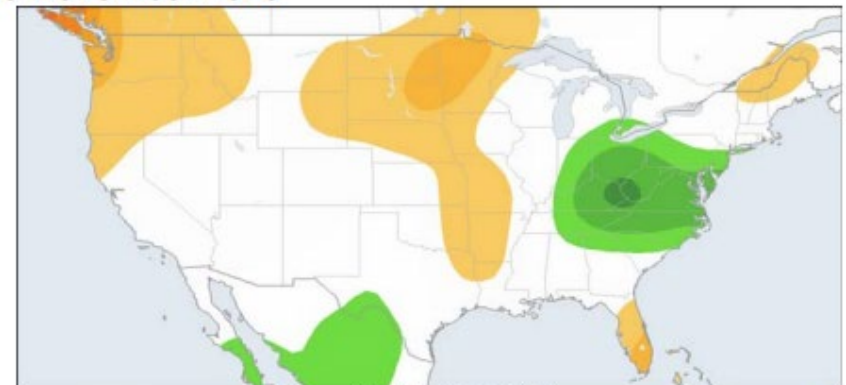
SEASONAL WEATHER FORECAST

SUMMER / FALL 2023 – COURTESY OF DTN WEATHER

June 2023 to August 2023

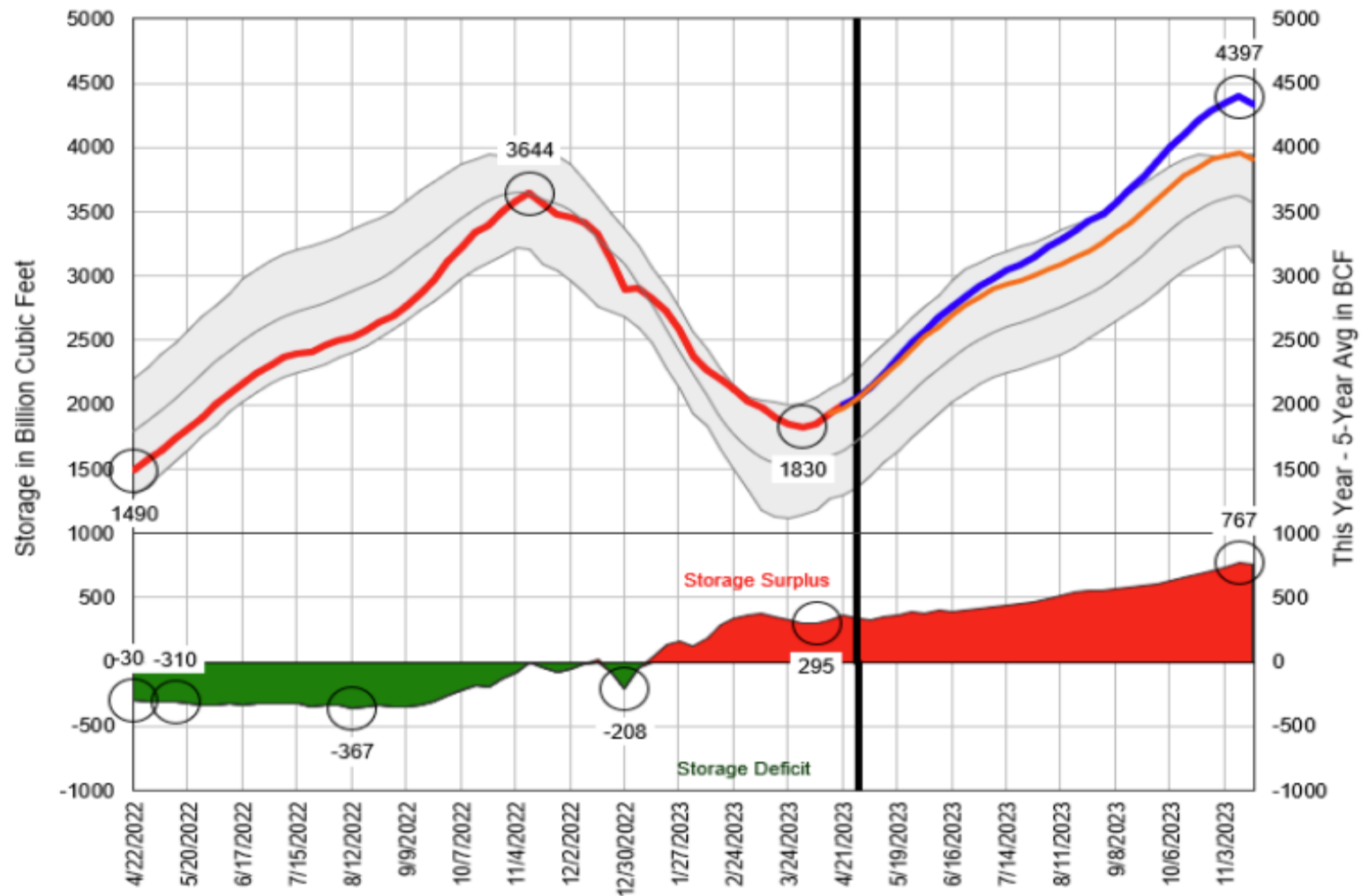


September 2023 to November 2023



LONG RANGE U.S. NATURAL GAS STORAGE FORECAST

COURTESY OF DTN WEATHER





ONEOK

LNG PEAK SHAVING

T.D. EURESTE,
VICE PRESIDENT

LNG PEAK SHAVING

EXECUTIVE SUMMARY

- ◆ LNG peak shaving facility can be constructed to provide storage with associated liquefaction, regasification and optional virtual pipeline and satellite services, example services:
 - LNG peak shaving and storage service – example levels of services that can be constructed – 1.5 Bcf storage capacity
 - ◇ Withdrawal of 75,000/d or 20 days and injection of 7,500/d or 200 days
 - ◇ Withdrawal of 300,000/d or 5 days and injection of 7,500/d or 200 days
 - Virtual pipeline service
 - ◇ LNG trucks available 24 hours a day which can be deployed to areas of system needing supply up to a 400-mile radius, includes mobile regasification – unplanned outage
 - Satellite service
 - ◇ Designated areas of the system that has regasification and smaller storage (0.25 Bcf) facilities – near power generation facilities
- ◆ Leverage interconnectivity and proximity of assets between customers and ONEOK
 - Or construct within customers asset footprint
- ◆ Recover facility and operating cost through purchased-gas cost mechanism and ONEOK constructs, owns and operates
 - Term of 20 years or greater to lessen purchase gas cost annual impact to customers
 - Annual rates can also be shaped – lower rates in the front-end of term with increased rates in the longer-end of term
- ◆ Services priced the same as traditional storage – Minimum Storage Quantity (MSQ) x rate per month plus fuel and use
 - Fuel and use – fuel gas is the primary cost during regasification
- ◆ Construction
 - Construction activities are predicted to take 27-36 months in the present environment
 - Pre-construction approvals and overall timeline depend on project scope, location, and jurisdictional authority





ONEOK

BUSINESS DEVELOPMENT

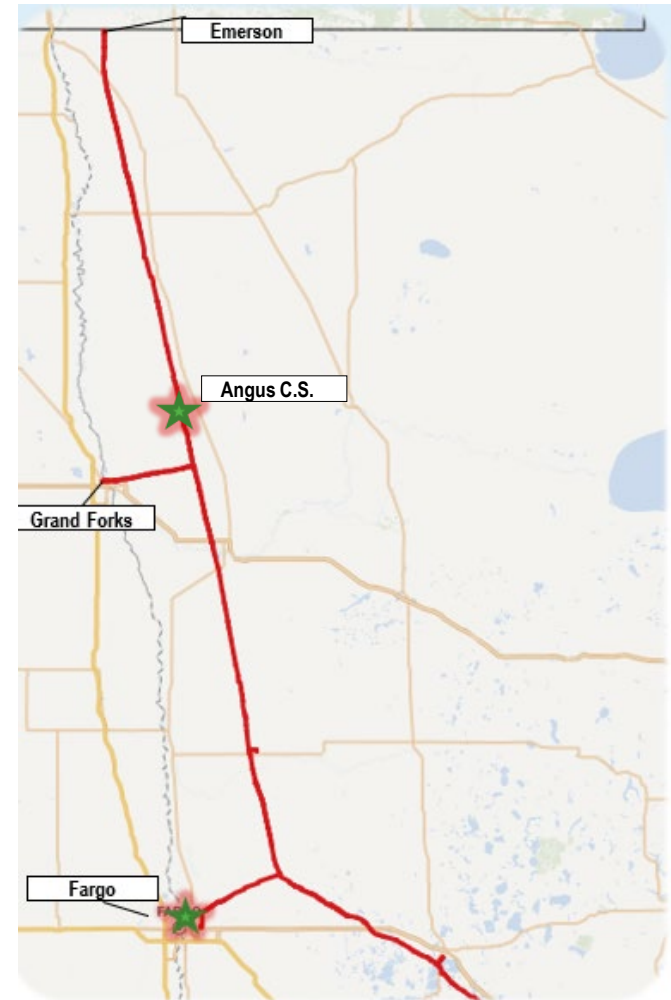
CLIFF ALLISON, DIRECTOR

Arbuckle II Pipeline pipe yard — Oklahoma

BUSINESS DEVELOPMENT

IN PROCESS – VIKING – FARGO EXPANSION

- ◆ 30,000 Dth/d of expansion capacity from Emerson to Fargo.
 - Capacity is fully-committed.
- ◆ In-Service Q4 2023 Prior Notice Project.
 - Viking has completed the FERC Prior Notice Process and we have approval to construct new facilities.
- ◆ Installing a new 2,500 horsepower gas compressor at existing VGT Angus compressor station.



BUSINESS DEVELOPMENT

POTENTIAL – VIKING – INCREMENTAL SOUTHBOUND EXPANSION

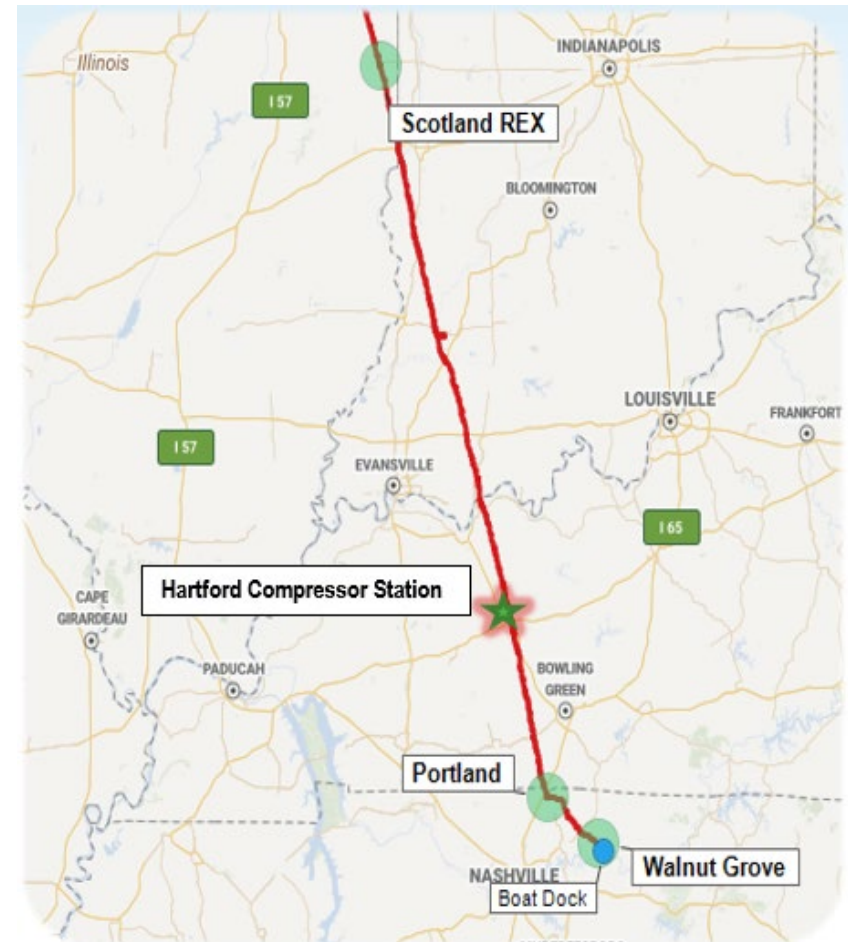
- ◆ Shippers have requested a range of volumes from 500 Dth/day - 150,000 Dth/day of expansion capacity.
- ◆ Shippers have indicated primary interest of Receipt from Emerson.
- ◆ Viking is evaluating potential new compression and mainline looping.
- ◆ In-Service TBD.



BUSINESS DEVELOPMENT

IN-PROGRESS – MIDWESTERN – SOUTHBOUND EXPANSION

- ◆ Midwestern is increasing S/B capacity by approximately 200,000 Dth/day.
 - Approximately 80,000 Dth/day of expansion capacity remains available
 - Expansion capacity offered at \$0.1450/Dth/Day
- ◆ Project requires modifications to MGT's Hartford Compressor Station plus additional mainline modifications.
- ◆ Prior Notice Project with estimated In-Service Date of Q2 2024.

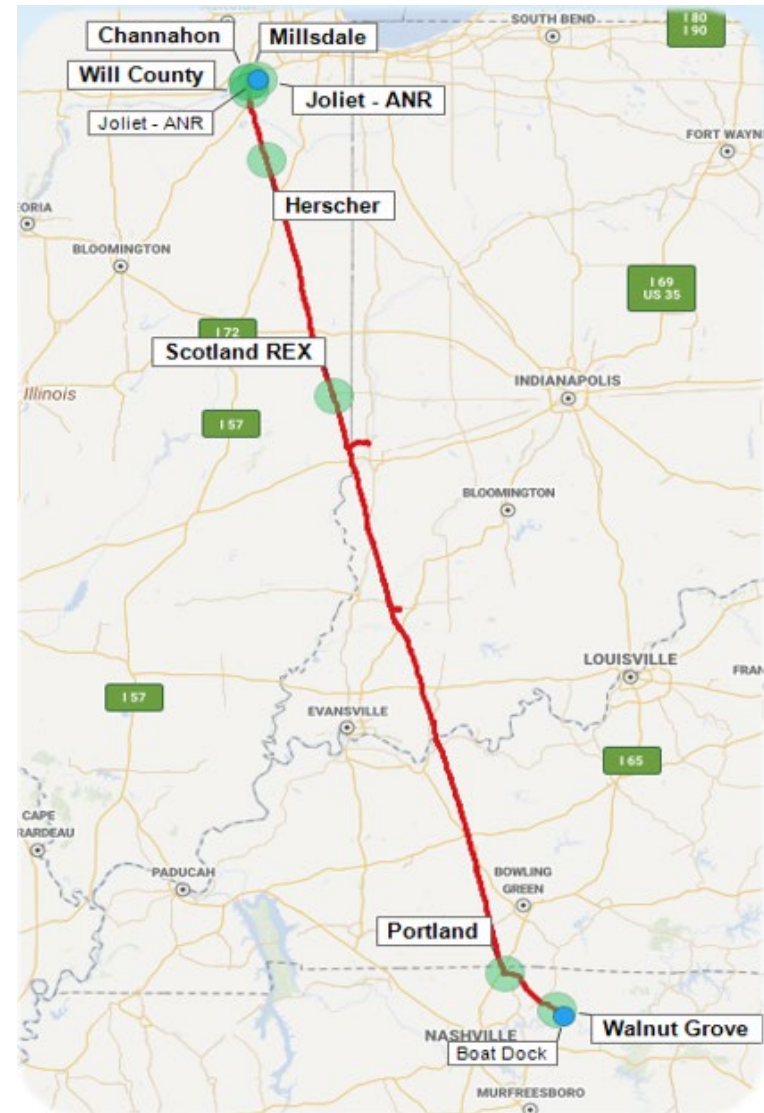


Proposed Hartford Compressor Station Modification

BUSINESS DEVELOPMENT

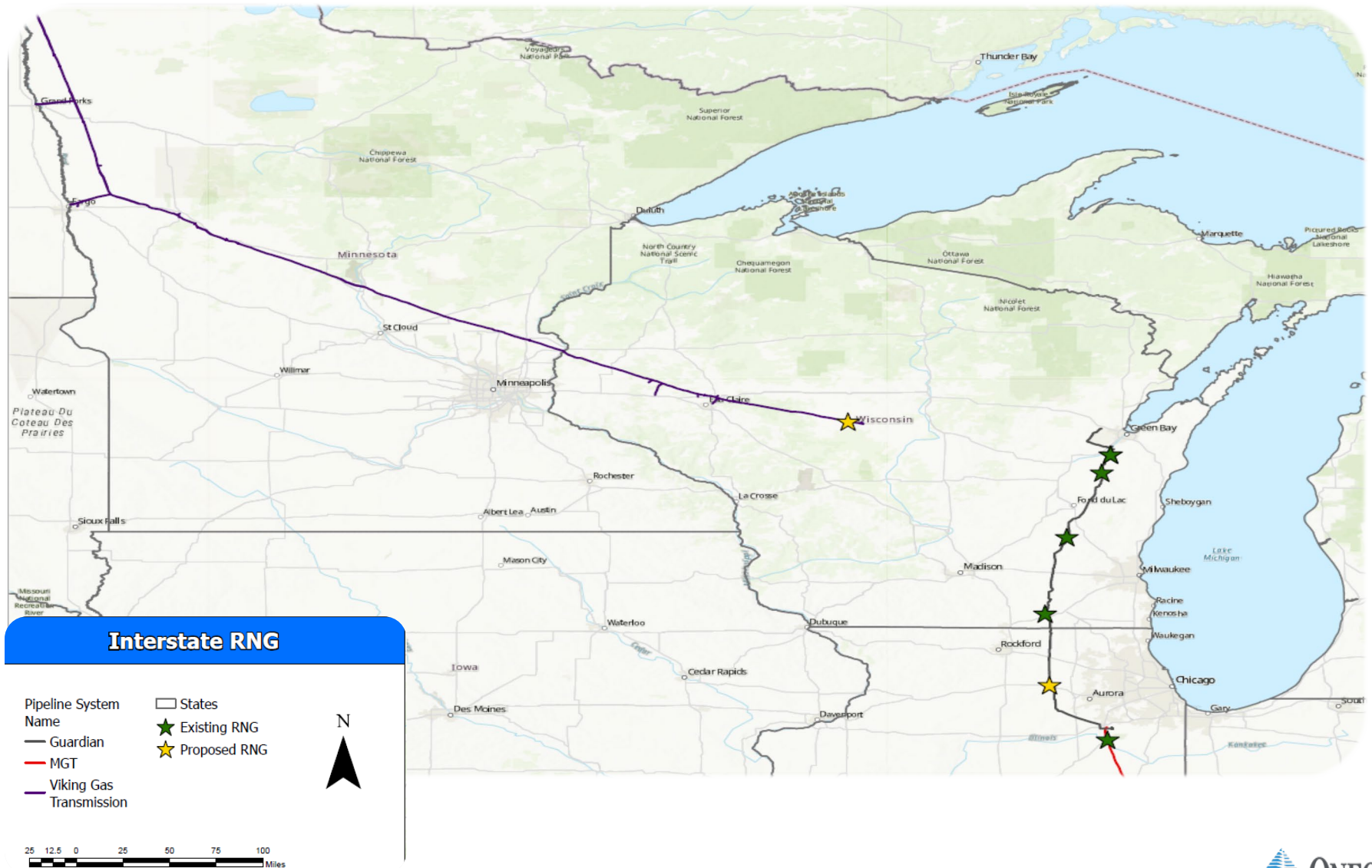
POTENTIAL – MIDWESTERN – POWER PLANT CONNECTIONS

- ◆ Several new or refueled power generation projects are being evaluated near Northwestern's footprint.
- ◆ Strategic to power grid.
- ◆ Multiple Supply Sources:
 - Northern Border, Channahon.
 - Alliance, Will County.
 - Rockies Express, Scotland.
 - Tennessee Gas, Portland.
- ◆ Service capabilities vary due to power plant location and supply source/s
 - Some locations may require additional mainline compression and/or mainline looping.



BUSINESS DEVELOPMENT

RENEWABLE NATURAL GAS (RNG) FACILITIES





ONEOK

OPERATIONS

JOHNNIE JARRED, DIRECTOR

Arbuckle II Pipeline pipe yard — Oklahoma



OPERATIONS ACTIVITIES

Routine Maintenance:

- Equipment & Compressors.
- Pipeline Integrity & Safety.

Environmental:

- Greenhouse Gas (GHG) Activities.
- Renewable Natural Gas (RNG).

Winter Season Preparation:

- Valve Maintenance.
 - Est. Fall 2023.
- Building and Facility Maintenance.

OPERATIONS

VIKING GAS TRANSMISSION – COMPRESSOR STATIONS

- ◆ Continued compressor station maintenance projects
- ◆ Ada Compressor Station:
 - (2) 1968 vintage Clark TLA-5 2-stroke 1750 HP gas compressors and (1) 1971 Clark TCV10 2-stroke 3,500 HP gas compressor.
 - Both Clark units have incurred frame repairs with more than 835,000 hours of total operations.
- ◆ Frazee Compressor Station:
 - (3) 1968 vintage Worthington 2-stroke 1750 HP gas compressors.
 - All Worthington units have incurred frame repairs with more than 900,000 hours of total operations.
- ◆ Stations require parts to either be salvaged, repaired or re-engineered and custom built taking more than 12 months' lead time.



**Ada
Station**



**Frazee
Station**

OPERATIONS

MIDWESTERN GAS TRANSMISSION – COMPRESSOR STATIONS

- ◆ Successful compressor station revitalization project.
- ◆ Total station was refreshed and upgraded to modern technology – Mid 2021.
- ◆ Hartford Compressor Station totals 15,000 HP of mainline compression:
 - (2) 5,000 HP ea. Units
 - (2) 2,500 HP ea. Units





ONEOK

RATES AND REGULATORY

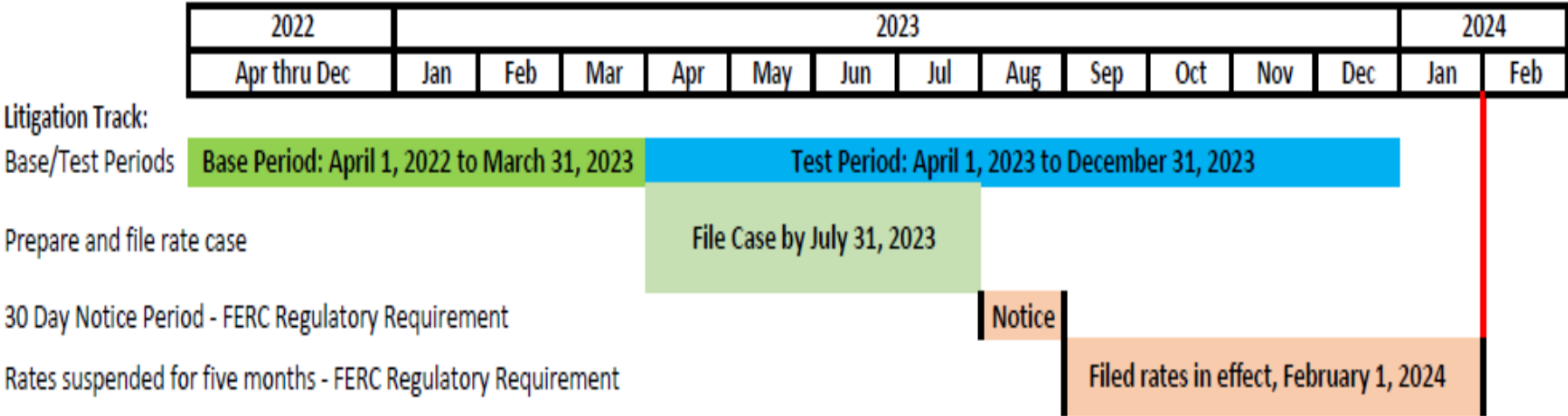
ALAN DROLL, MANAGER

ONEOK Plaza — Oklahoma

VIKING SECTION 4 RATE CASE TIMELINE

COMEBACK TIMELINE AS REQUIRED IN SETTLEMENT OF FERC DOCKET NO. RP19-1340-000

Viking Gas Transmission 2023 Section 4 Case Timeline



Note: Viking's last case settlement requires filing a Section 4 Rate Case no later than July 31, 2023.

INTERSTATE PIPELINES – REQUIRED TIMELINES

ONEOK'S REQUIRED COMEBACK AND MORATORIUM DATES PER SETTLEMENTS, BY PIPELINE:

◆ Viking Gas Transmission Company:

- Required to file a section 4 rate case by July 31, 2023

◆ Guardian Pipeline, L.L.C.:

- Required to file a section 4 rate case by October 31, 2026
- New rates must be effective no later than April 1, 2027 (6 months after filing)
- Moratorium on rates filings prior to April 1, 2026

◆ Midwestern Gas Transmission Company:

- Required to file a section 4 rate case no later than September 30, 2027
- Moratorium on rates filings prior to September 30, 2025





ONEOK

INDUSTRY UPDATES

DENISE ADAMS, DIRECTOR

ONEOK Plaza — Oklahoma

INDUSTRY EVENTS TO WATCH

UPCOMING AND ONGOING ITEMS OF INTEREST

- ◆ Federal Regulatory Energy Commission (FERC) – Not Quite Full.
 - Former Commissioner Glick was not confirmed to continue, leaving an opening.
 - Commissioner Danly's term expires June 30, 2023.
 - Interim Chair, Commissioner Willie Phillips.

- ◆ North American Energy Standards Board Gas Electric Harmonization – Round 2 (NAESB GEH).
 - What is this?
 - ◇ An effort by non-profit, industry standards setting organization to respond to FERC/NERC recommendations¹ issued post extreme cold weather events.
 - Status?
 - ◇ Meetings began in August 2022; multiple surveys for input issued and responses aggregated; target of June 2023 for NAESB to provide a written response to FERC/NERC letter issued in November 2021²

¹ Key Recommendation 7 of the FERC, NERC, and Regional Entity Staff Report on the February 2021 Cold Weather Outages in Texas and the South-Central United States (Report) https://www.naesb.org/pdf4/ferc_nerc_regional_entity_staff_report_Feb2021_cold_weather_outages_111621.pdf

² https://www.naesb.org/pdf4/FERC_NERC_Letter_072922_to_NAESB.pdf



ONEOK

INFORMATION & APPLICATION TECHNOLOGY

JEREMY FLYNT

ONEOK Plaza — Oklahoma

CUSTOMER MEETING – INFORMATION TECHNOLOGY

INFORMATION SECURITY UPDATE

- ◆ Transportation Security Administration (TSA) Initiatives
 - Multi-Factored Authentication to protect information and eliminate User ID sharing.
 - Ensure complex passwords are being used by employees and external system users.



- ◆ Vulnerability Management
 - Timely security updates are reviewed and installed as needed.
 - Database security patches.
 - Comprehensive testing is executed before moving to Production.

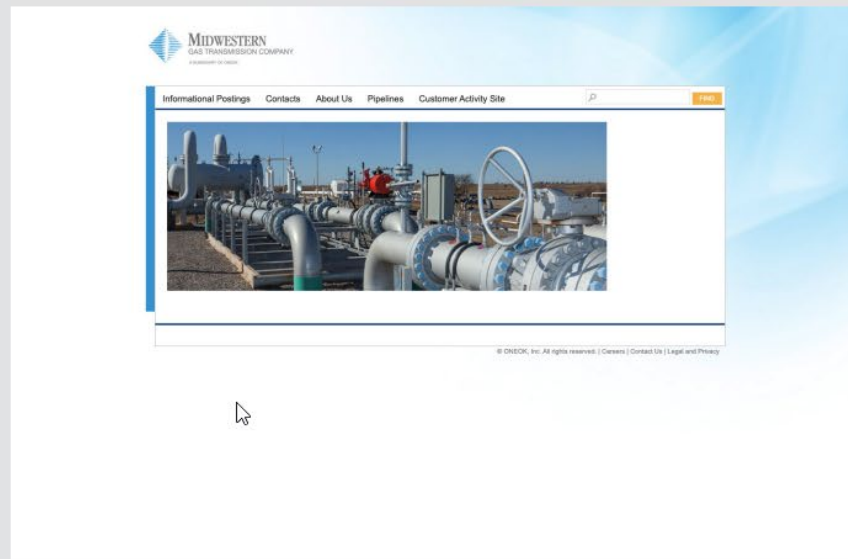


CUSTOMER MEETING – INFORMATION TECHNOLOGY

INTERSTATE WEBSITE REDESIGN – DESKTOP VIEW

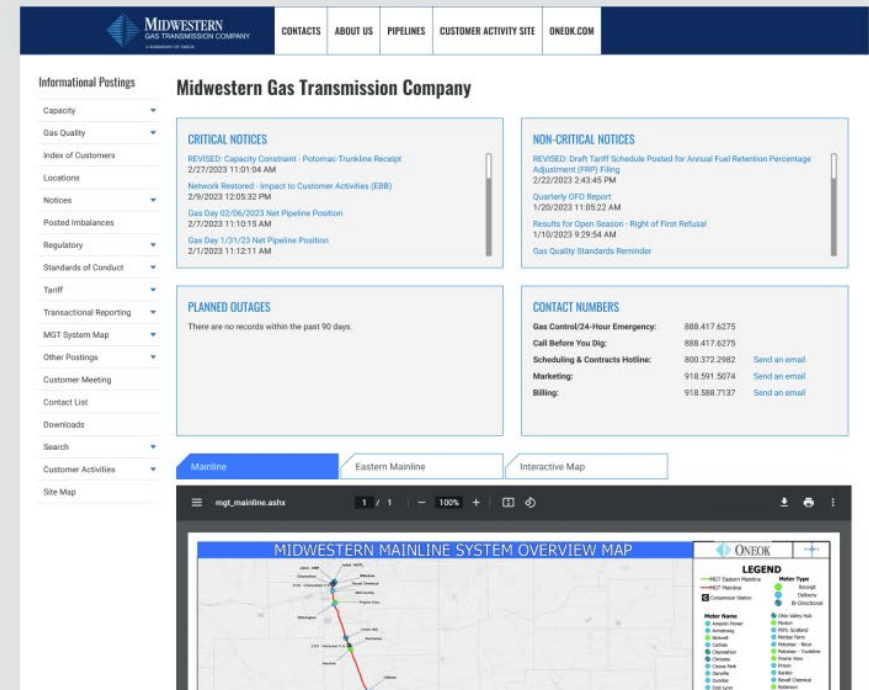
EXISTING PIPELINE HOME PAGE

DESKTOP VIEW



NEW PIPELINE HOME PAGE

DESKTOP VIEW

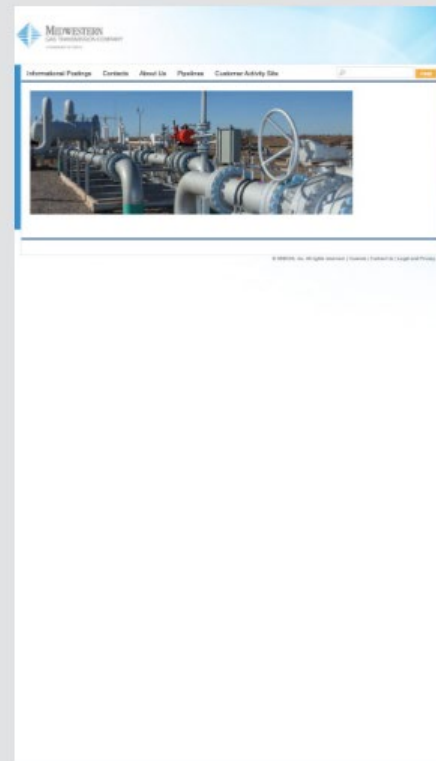


CUSTOMER MEETING – INFORMATION TECHNOLOGY

INTERSTATE WEBSITE REDESIGN – MOBILE VIEW

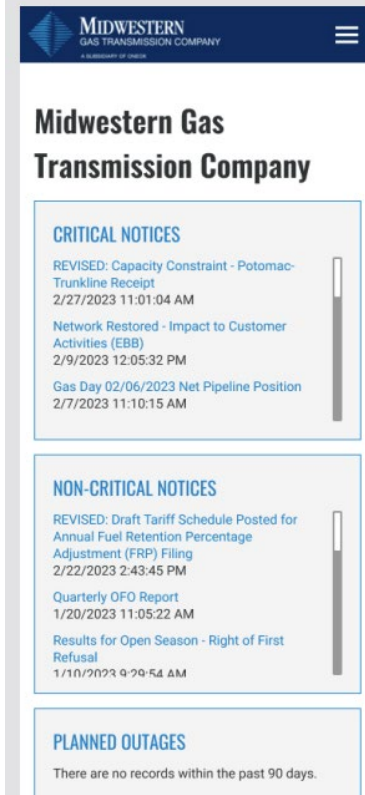
EXISTING PIPELINE HOME PAGE

MOBILE VIEW



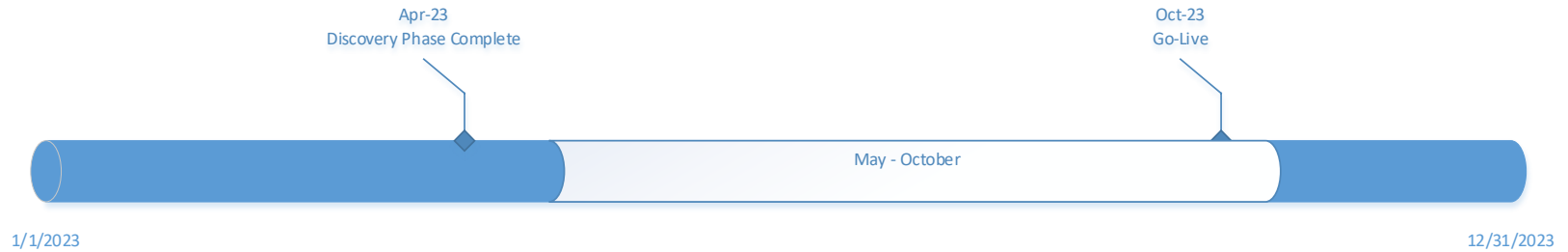
NEW PIPELINE HOME PAGE

MOBILE VIEW



CUSTOMER MEETING – INFORMATION TECHNOLOGY

INTERSTATE WEBSITE REDESIGN – TENTATIVE TIMELINE





ONEOK

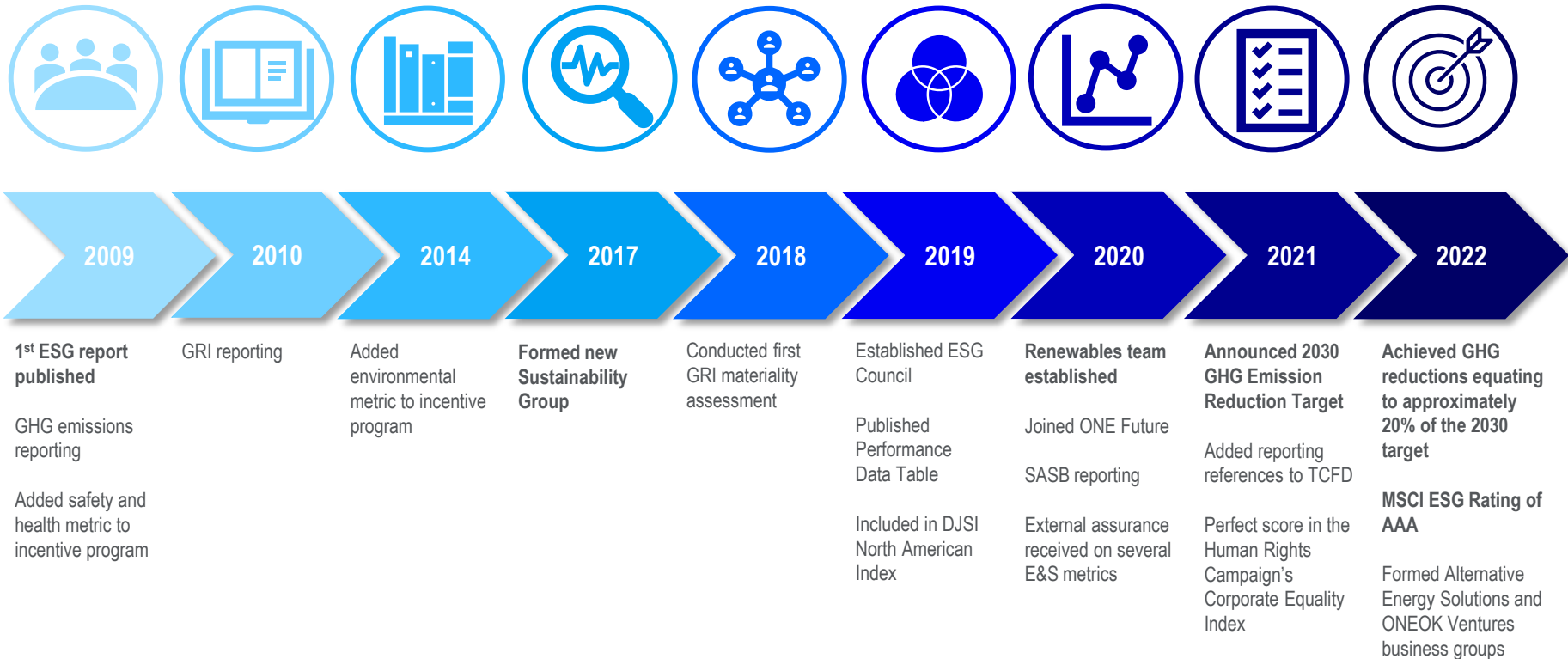
ENVIRONMENTAL / SUSTAINABILITY

ASHLEY ZICKEFOOSE,
DIRECTOR

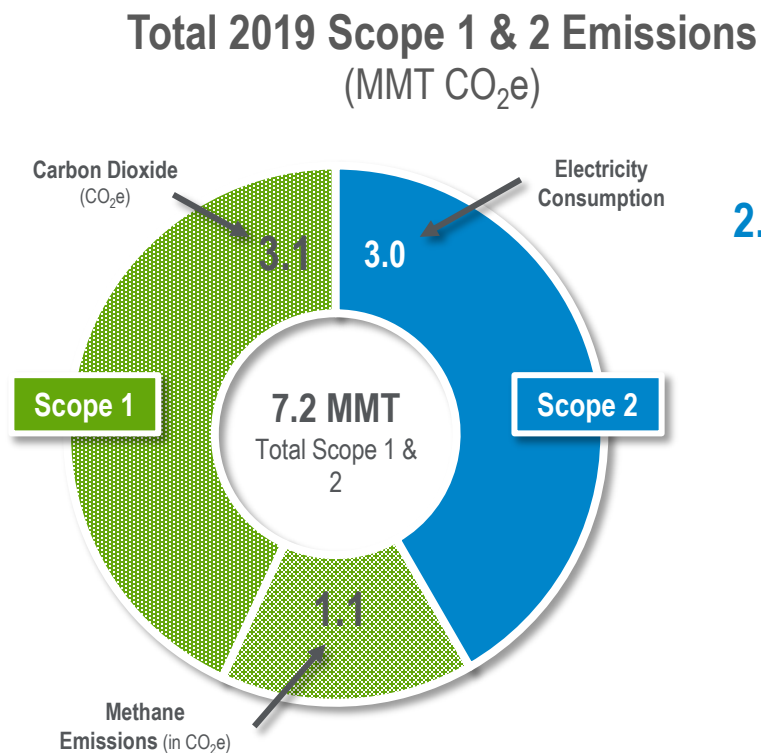
ONEOK Plaza — Oklahoma

ONEOK'S SUSTAINABILITY JOURNEY

MILESTONES ON OUR PATH TO CONTINUOUS IMPROVEMENT



ABSOLUTE EMISSIONS REDUCTION TARGET



2.2 MMT Reduction

Combined Scope 1 & 2
Emissions by 2030^(a)

Emissions Reduction Opportunities

- Electrification of natural gas compression assets.
- Methane emission mitigation through best management practices.
- System optimizations.
- Collaborating with utility providers to increase the availability of lower-carbon power options.



**Achieved reductions
equating to ~20% of our
total reduction target**

as of Dec. 31, 2022

(a) ONEOK is targeting an absolute greenhouse gas emissions reduction of 2.2 million metric tons (MMT) of combined Scope 1 and Scope 2 emissions by 2030, which represents a 30% reduction in total operational emissions attributable to ONEOK assets in 2019.

Note: Scope 1 emissions are defined as emissions that result directly from operations. Scope 2 emissions are defined as indirect emissions that occur from the consumption of energy generated by other entity, such as a utility.

INNOVATION AND INFRASTRUCTURE

REDUCING EMISSIONS

The use of electric powered compressors provides an opportunity to reduce GHG emissions from combustion.

Gathering and processing segment compression is >60% electric; Rockies Region compression >85% electric.

Completing a compression electrification project on the Viking Gas Transmission pipeline to improve operational reliability while lowering Scope 1 emissions.

**Compression
Asset
Electrification**



ONEOK is a member of ONE Future, a coalition of companies committed to reducing methane emissions to less than 1% across the natural gas value chain by 2025

In 2021, ONEOK reported a methane intensity of 0.03% in our transmission and storage segment. Our methane intensity contributes to ONE Future's 2025 goal and is better than the 0.089% transmission and storage segment average.

ONE Future



ONEOK interconnects with renewable natural gas (RNG) facilities including landfills and dairy farms and provides connectivity to end-use markets.

Transporting ~4.5 MMcf/d of RNG from third-parties in 2022, preventing >750,000 metric tons of CO₂e from being released.

Currently connected with six RNG facilities with additional connections expected in 2023.

**Renewable
Natural
Gas**





ONEOK

THANK YOU!

ONEOK Plaza — Oklahoma