Enbridge Gas Ohio – Gas Supplier Meeting

September 10, 2024

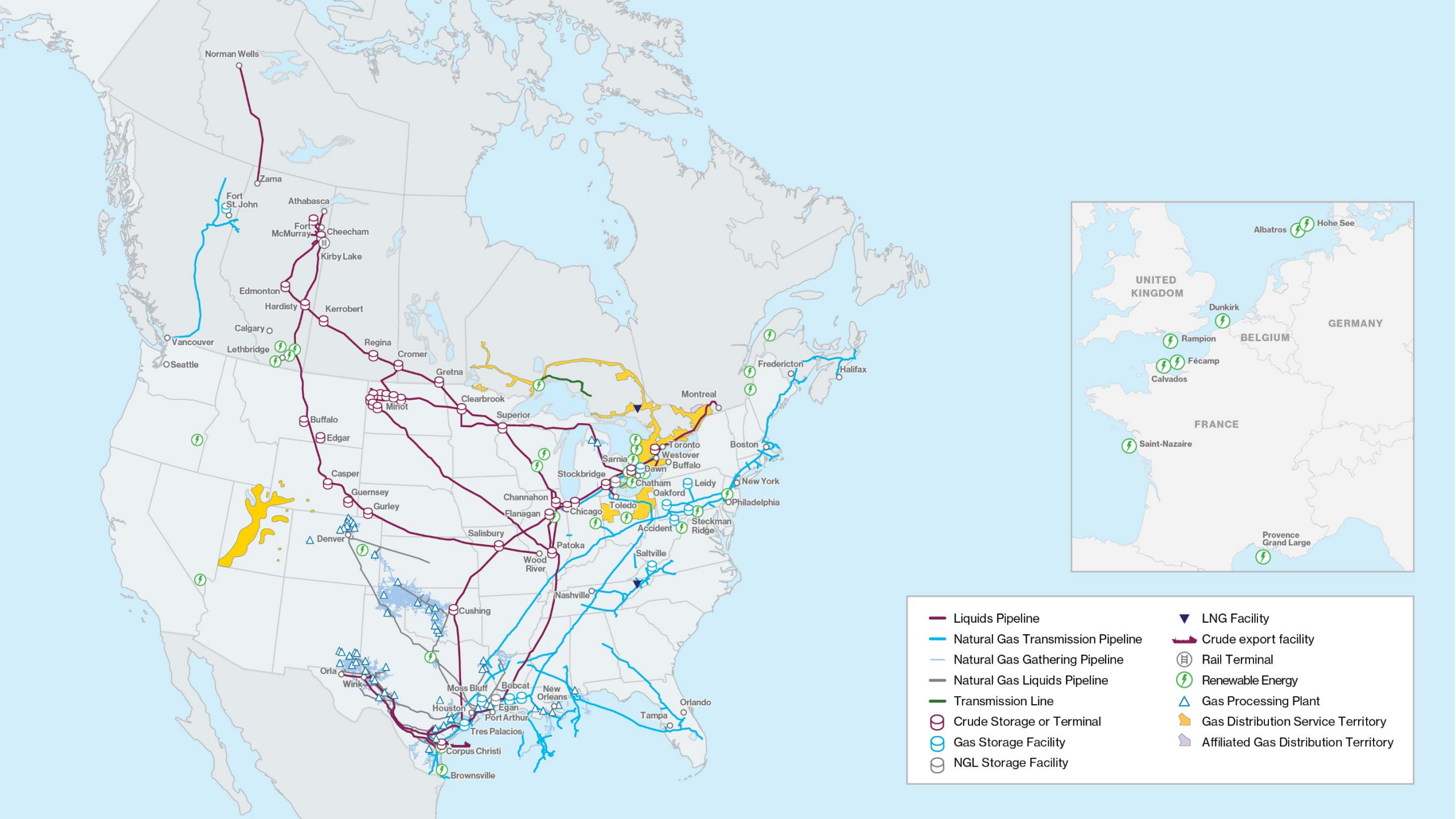
ENBRIDGE

Welcome and Safety Message

Jeff Angeletti, Director, Commercial Operations
Enbridge Gas Ohio

Agenda

- Welcome to Enbridge – Overview
  > Jeff Angeletti
- Enbridge Gas Ohio – System Overview
  > Cliff Andrews
- Customer Enrollments – How to Enroll, Customer Changes, New Communication Requirements
  > Ayden Canavos
- Reallocation – Preparing for Reallocation and Reports to Use
  > L J Lohrey
- Nominations
  > Sherry Skinner
- Pool Balance All Report and Pool Trade Report
  > L J Lohrey
- Forecasting Process – SSO and Choice Targets
  > Laura Whitkofski
- Storage Rules – Ratchets and Thresholds
  > L J Lohrey
- Payment Process
  > Laura Whitkofski


Norman Wells
Zama
Fort St. John
Athabasca
Fort McMurray
Cheecham
Kirby Lake
Edmonton
Hardisty
Kerrobert
Calgary
Vancouver
Lethbridge
Seattle
Regina
Cromer
Gretna
Minot
Clearbrook
Buffalo
Edgar
Superior
Casper
Guernsey
Gurley
Denver
Salisbury
Channahon
Flanagan
Chicago
Stockbridge
Sarnia
Dawn
Toronto
Westover
Buffalo
Chatham
Oakford
Leidy
Toledo
Montreal
Fredericton
Halifax
Boston
New York
Philadelphia
Steckman Ridge
Accident
Patoka
Wood River
Saltville
Nashville
Cushing
Orla
Wink
Moss Bluff
Bobcat
Egan
Houston
Port Arthur
New Orleans
Tres Palacios
Corpus Christi
Brownsville
Tampa
Orlando
Albatros
Hohe See
UNITED KINGDOM
Dunkirk
GERMANY
BELGIUM
Rampion
Fécamp
Calvados
FRANCE
Saint-Nazaire
Provence Grand Large
Liquids Pipeline
Natural Gas Transmission Pipeline
Natural Gas Gathering Pipeline
Natural Gas Liquids Pipeline
Transmission Line
Crude Storage or Terminal
Gas Storage Facility
NGL Storage Facility
LNG Facility
Crude export facility
Rail Terminal
Renewable Energy
Gas Processing Plant
Gas Distribution Service Territory
Affiliated Gas Distribution Territory

What is truly important to us as a company

Our **vision**, to provide energy, in a planet-friendly way, everywhere people need it—drives our **mission** to be the first-choice energy delivery company in North America and beyond.

Our **values** are key to our ongoing success.

- Safety
- Integrity
- Respect
- Inclusion
- High Performance

What we do

We fuel quality of life for millions of people every day

Energy powers every aspect of our lives from our cellphones, heating homes and fueling transportation

Safety is our #1 priority

We invested
US$11.7B
2013 – 2022 to maintain the integrity of our system

We performed
38,242
pipeline integrity inspections in 2022

We monitor our lines
24-7
with people and computerized leak detection systems

We held/participated in
210
emergency exercises and drills in 2022

Above all else, we believe every incident can be prevented. We are always working to ensure the safety of our employees, neighbors, communities and the environment.

Preparing for the energy future

- We strive to make an impact along the entire energy value chain. We do this by:
  - > modernizing our assets, investing in renewable power and innovative solutions like renewable natural gas, hydrogen, and carbon capture, utilization and storage, and we are working with our customers to encourage energy efficiency
- Enbridge is developing cutting-edge, innovative solutions to prepare for the energy transition.

Enbridge is ensuring we will meet the growing energy needs of the future while reducing emissions

Leading with innovation

Enbridge opened Technology and Innovation Labs in Calgary and Houston

Applying technology

- Leading the industry through innovative technologies
- Focus on accelerating technology-driven business solutions

Using cutting edge technology

- Leveraging machine learning and artificial intelligence

Building innovative culture

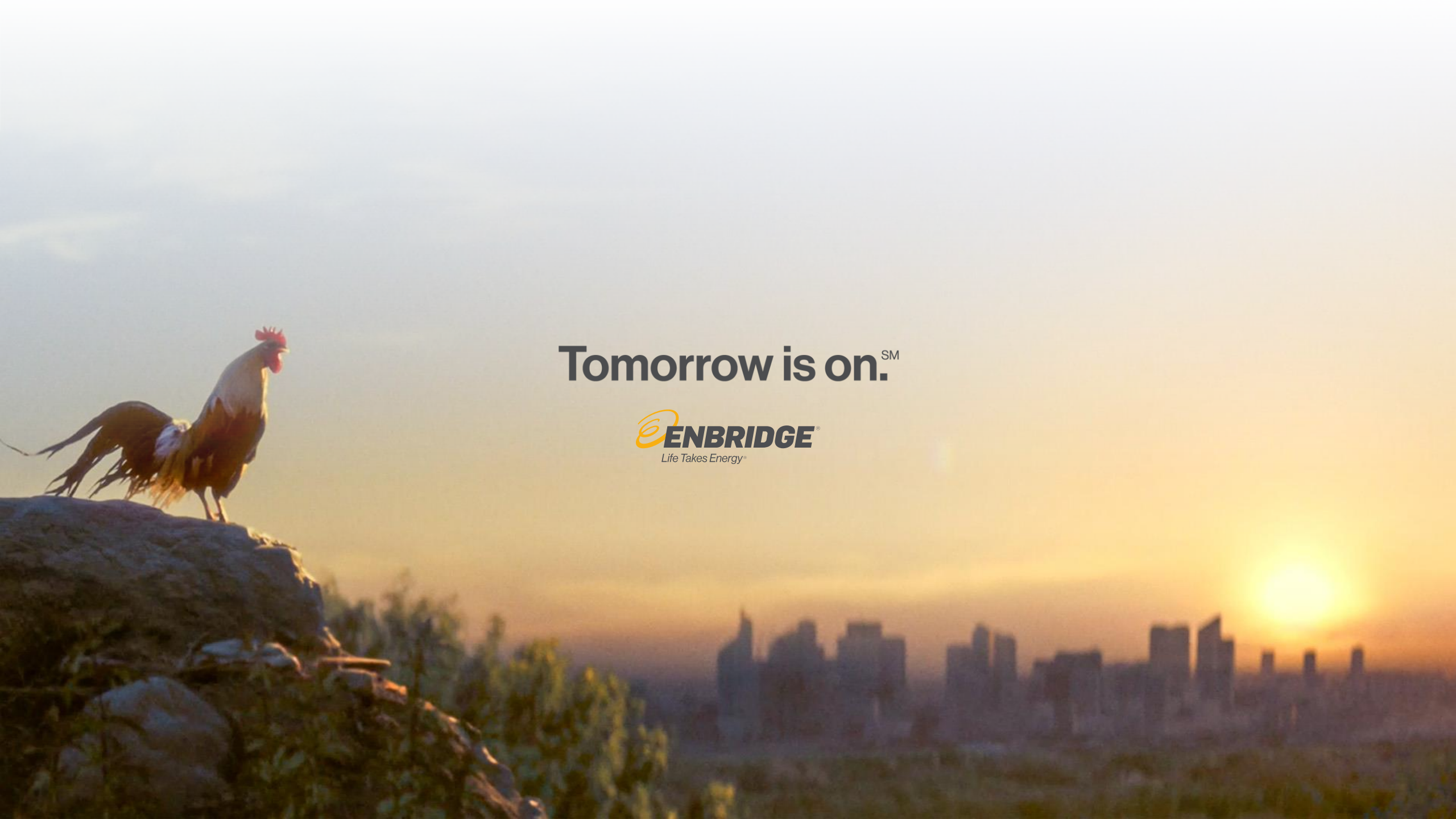
- Hiring the brightest people and building agile teams
- Developing a culture where all ideas are welcomed and encouraged

Respect for the environment and people

- We are committed to providing energy in a sustainable, socially and environmentally responsible way.
- Our approach to supporting the transition to a low-carbon economy has three key areas:

1. Reducing greenhouse gas emissions through innovation
2. Helping customers reduce their energy use through conservation
3. Investing in renewable energy assets and low-carbon solutions

Enbridge is continually innovating to reduce emissions at every step of our energy delivery network.


Tomorrow is on.SM
ENBRIDGE
Life Takes Energy

Enbridge Gas Ohio

System / Supply Overview

September 10, 2024

ENBRIDGE

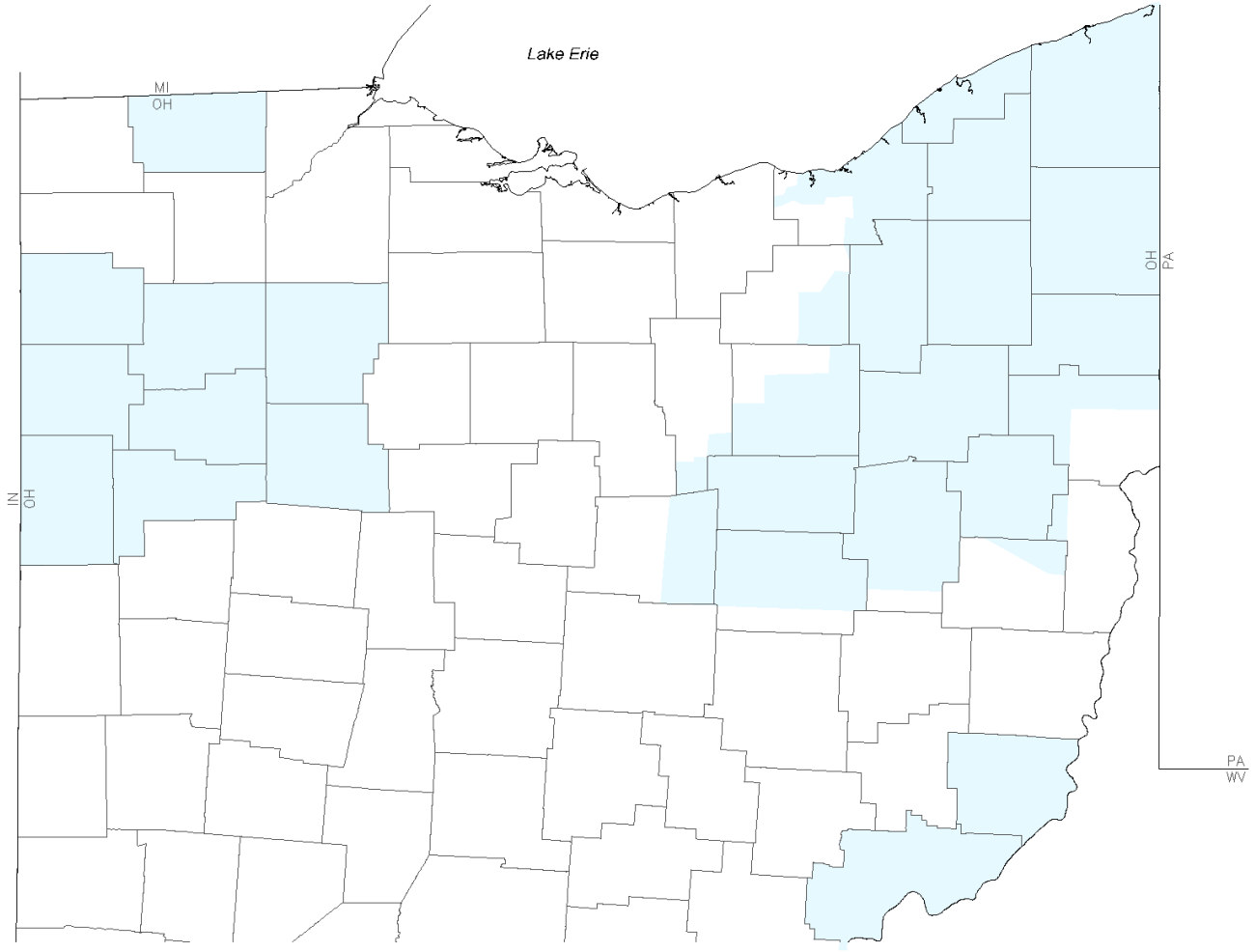
Presented by: Cliff Andrews

Enbridge Gas Ohio (EGO) Overview

- 1.2 Million Customers
- 350 Bcf Annual throughput
- 3 Bcf Peak Day
- Integrated system serving Cleveland, Akron, Canton, Youngstown markets
- Isolated systems serving Lima, Marietta and Ashtabula markets
- Interconnect with 8 interstate pipelines surrounding core market
- On-System Storage: 60 Bcf working capacity; over 1 Bcf daily W/D
- Multiple Utica Shale gathering/processing system interconnects
- Extensive conventional production gathering system

Large LDC system with access to low-cost Appalachian natural gas supply.

Enbridge Gas Ohio Overview



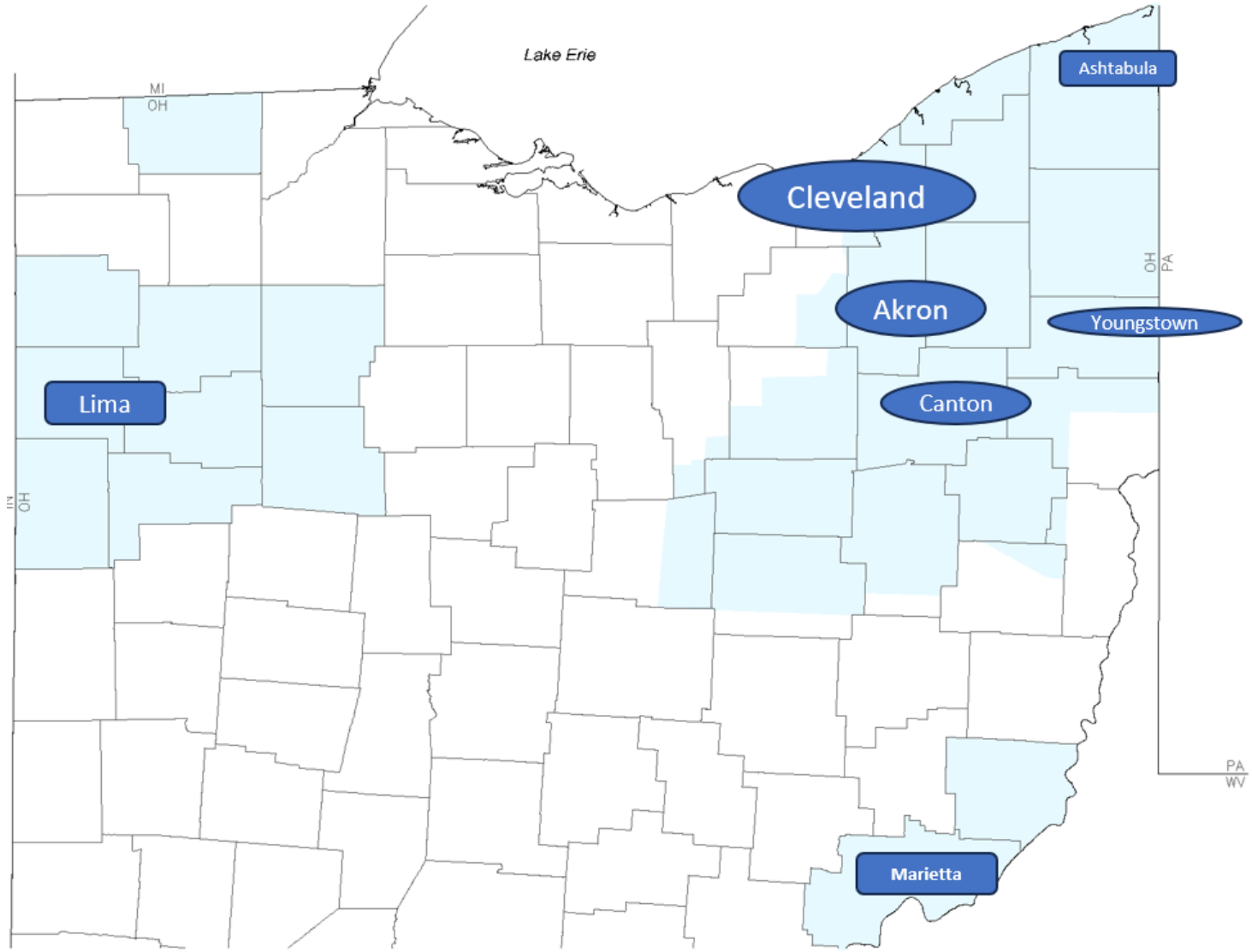
System details
Customers: 1.2 million
Annual usage: 340 Bcf
Peak Day: 2.5 Bcf
Major market: NE Ohio
Other markets: Lima and Marietta, Ohio

Blue shaded areas on map represent service territory

Enbridge Gas Ohio
Service Territory

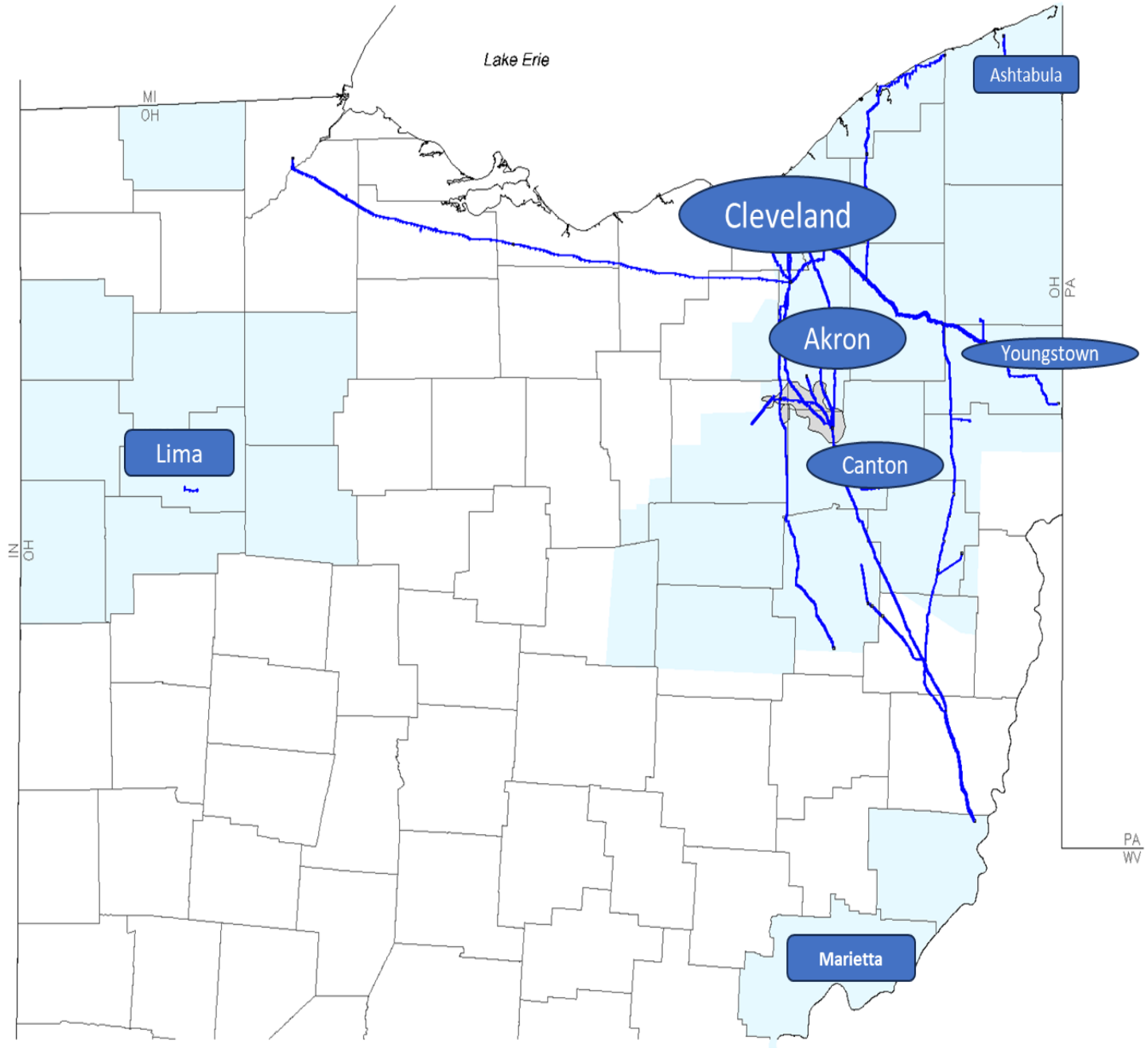
Customer and load details by region:

Region	Volume	Customers
Cleveland	45%	43%
Akron/ Canton	23%	35%
Youngstown	20%	12%
Lima	7%	5%
Ashtabula	3%	3%
Marietta	3%	2%



Enbridge Gas Ohio
Service Territory

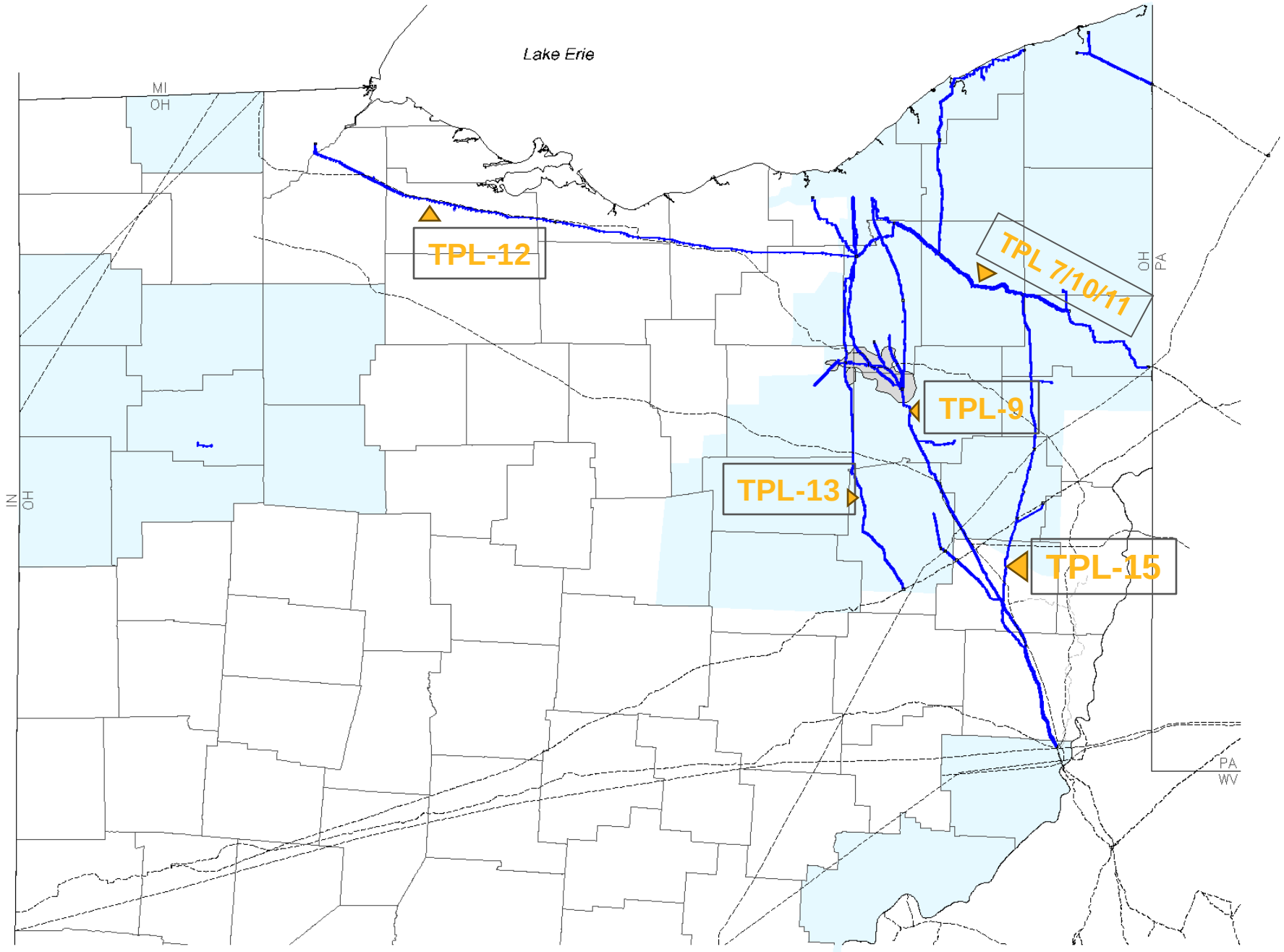
Transmission and Storage System:
Connecting EGO and its customers to abundant, reliable natural gas supply options.



Enbridge Gas Ohio
Service Territory

Transmission System: Connecting EGO and its customers to:

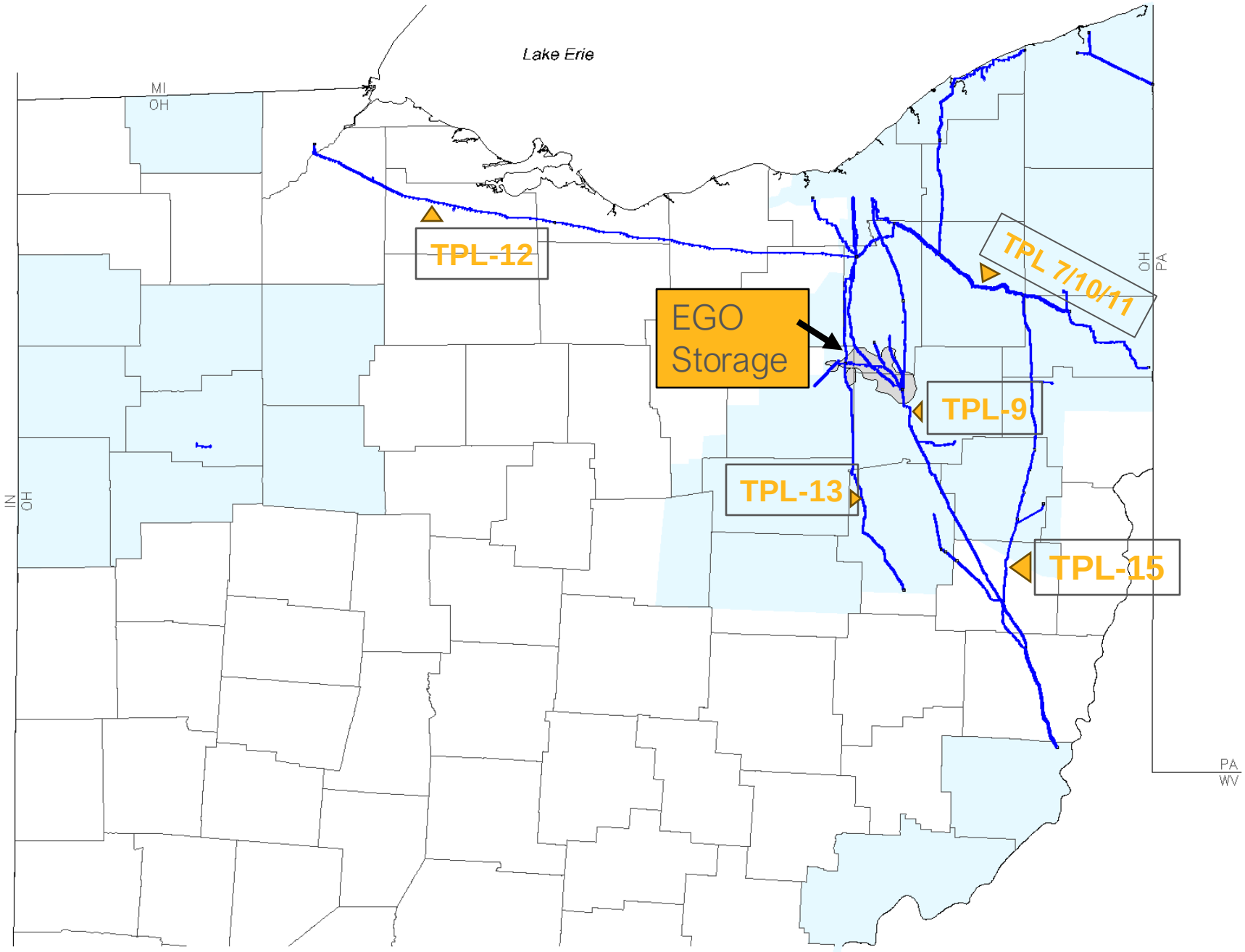
- EGTS
- Texas Eastern
- Rockies Express
- Tennessee Gas Pipeline
- ANR
- Panhandle
- NEXUS
- Columbia Transmission
- North Coast Gas Transmission
- RH Energy Trans
- Conventional OH Production
- Utica Gathering and Processing



Enbridge Gas Ohio
Service Territory

On-System Storage:

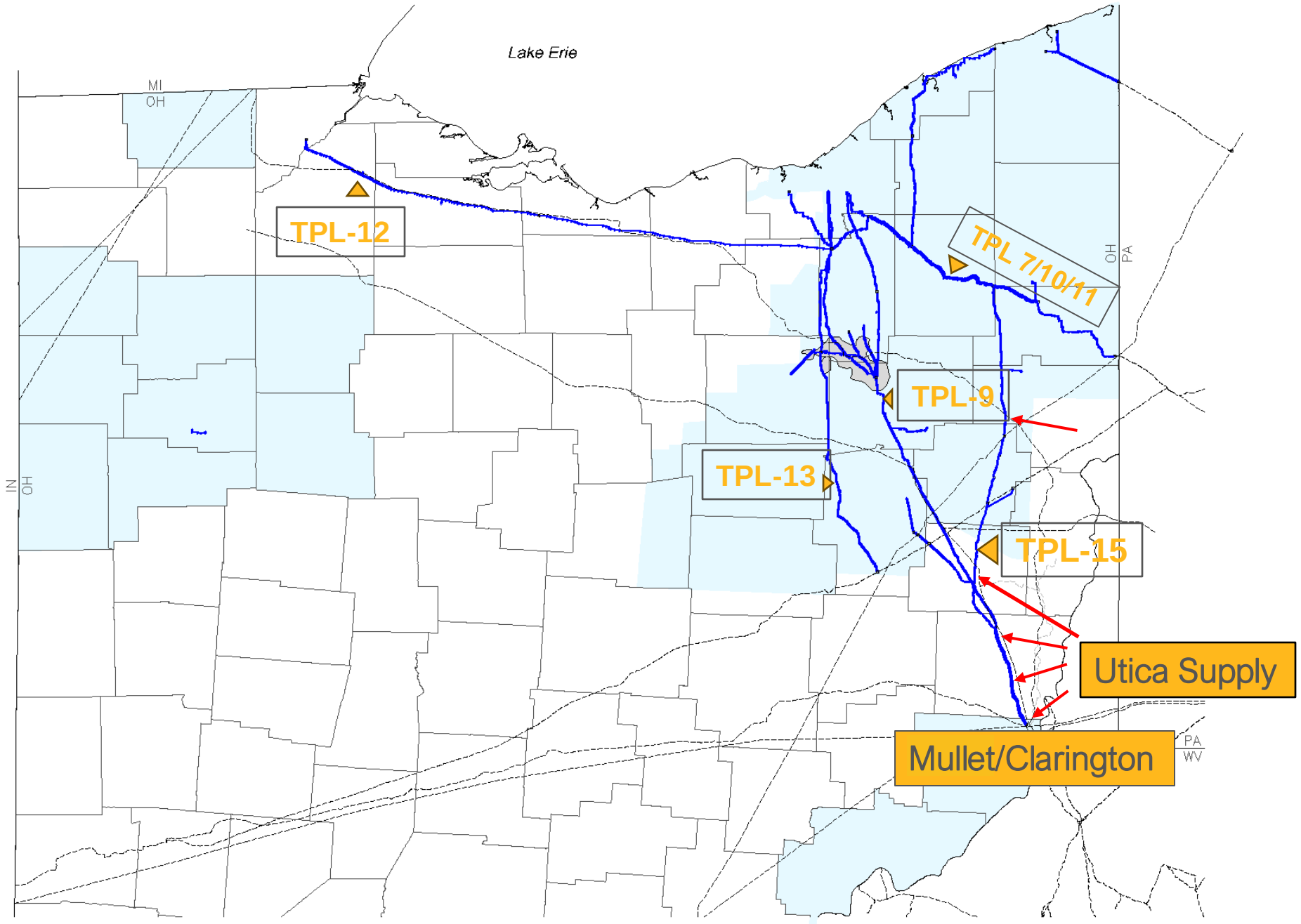
- 60 Bcf of Working Gas
- Over 1 Bcf Peak Day withdrawal
- Located in heart of service territory, enhancing reliability
- Fully integrated with EGO Transmission system for access to supply for injection and markets for reliable winter operation



Enbridge Gas Ohio
Service Territory

Mullet/Clarington:

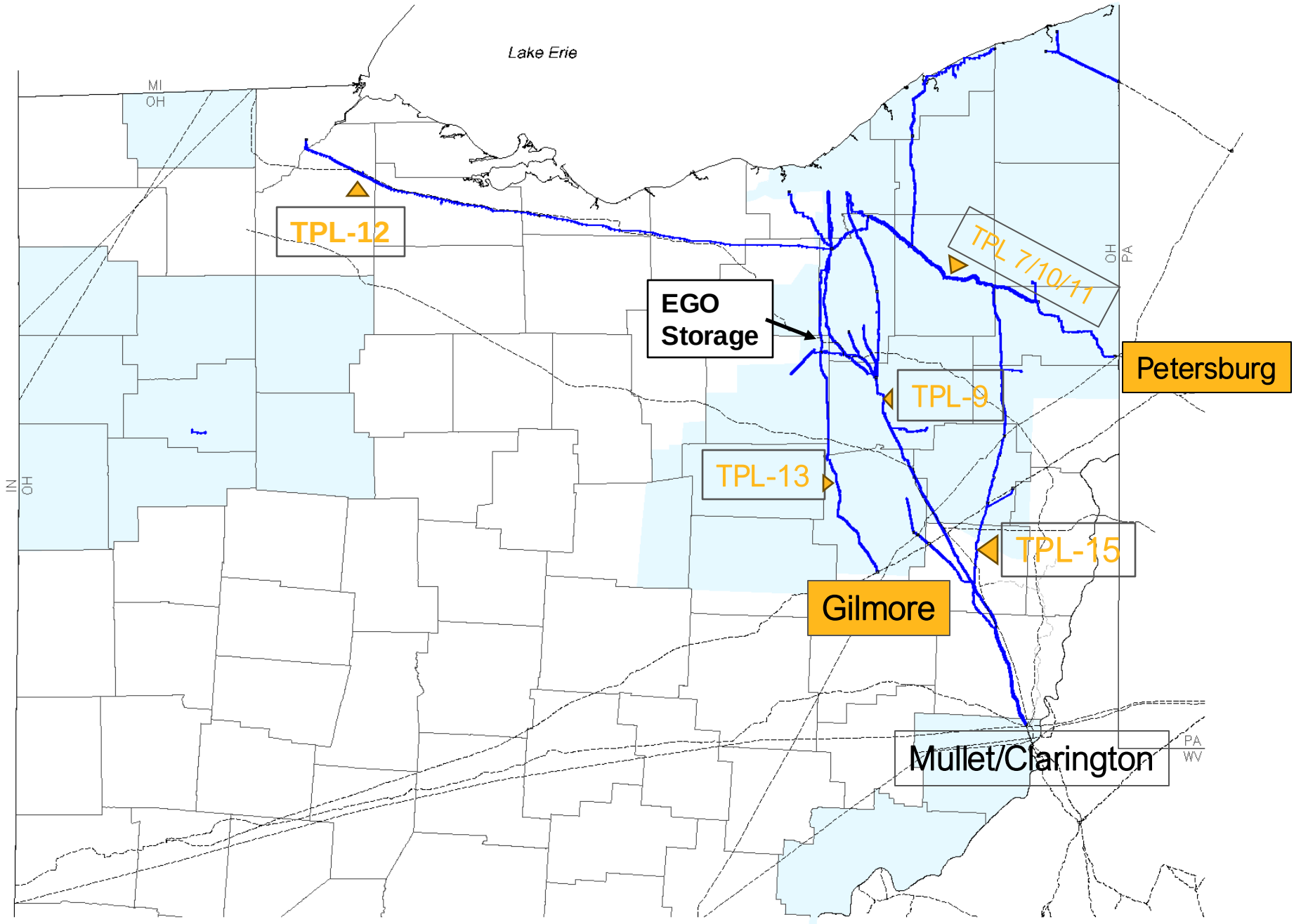
- Where EGO connects to EGTS, Texas Eastern and Rockies Express
- Two EGO Transmission lines run north from there:
  - TPL-9 into Storage
  - TPL-15 north to main market area
- TPL 9 & 15 also where most of the Utica receipts come in:
  - Blue Racer Midstream
  - EquiTrans (Snake Eyes, Mullet & Monster Jam)
  - MarkWest Cadiz
  - Ohio River System/Fulton
  - Williams UEO Kensington



Enbridge Gas Ohio
Service Territory

Gilmore/Petersburg:

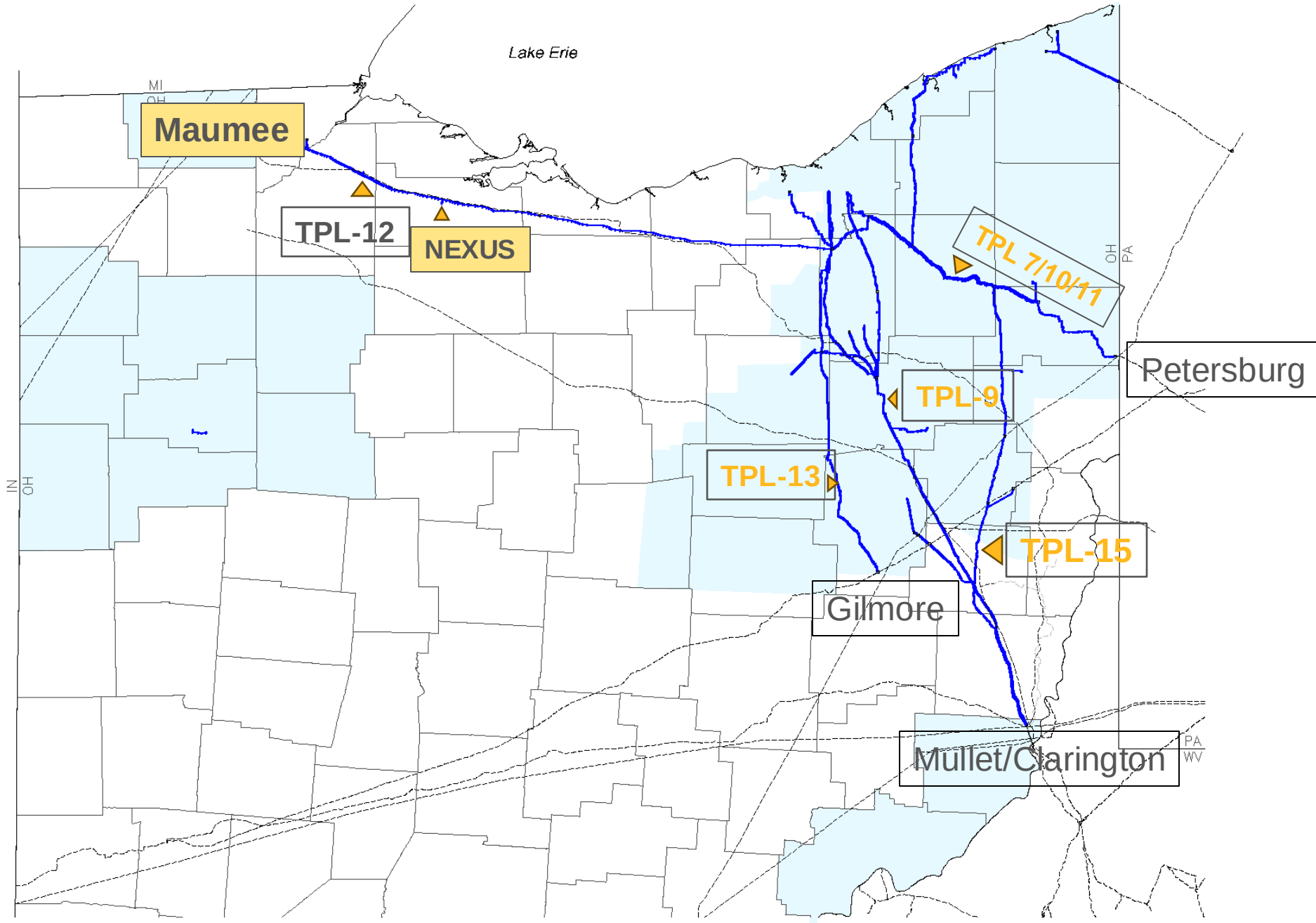
- Interconnects with:
  - EGTS
  - Tennessee Gas Pipeline
- Gilmore:
  - Primary path to filling EGO on-system storage via transmission line TPL-13
- Petersburg:
  - Direct path to Youngstown and Cleveland markets



Enbridge Gas Ohio
Service Territory

Maumee:

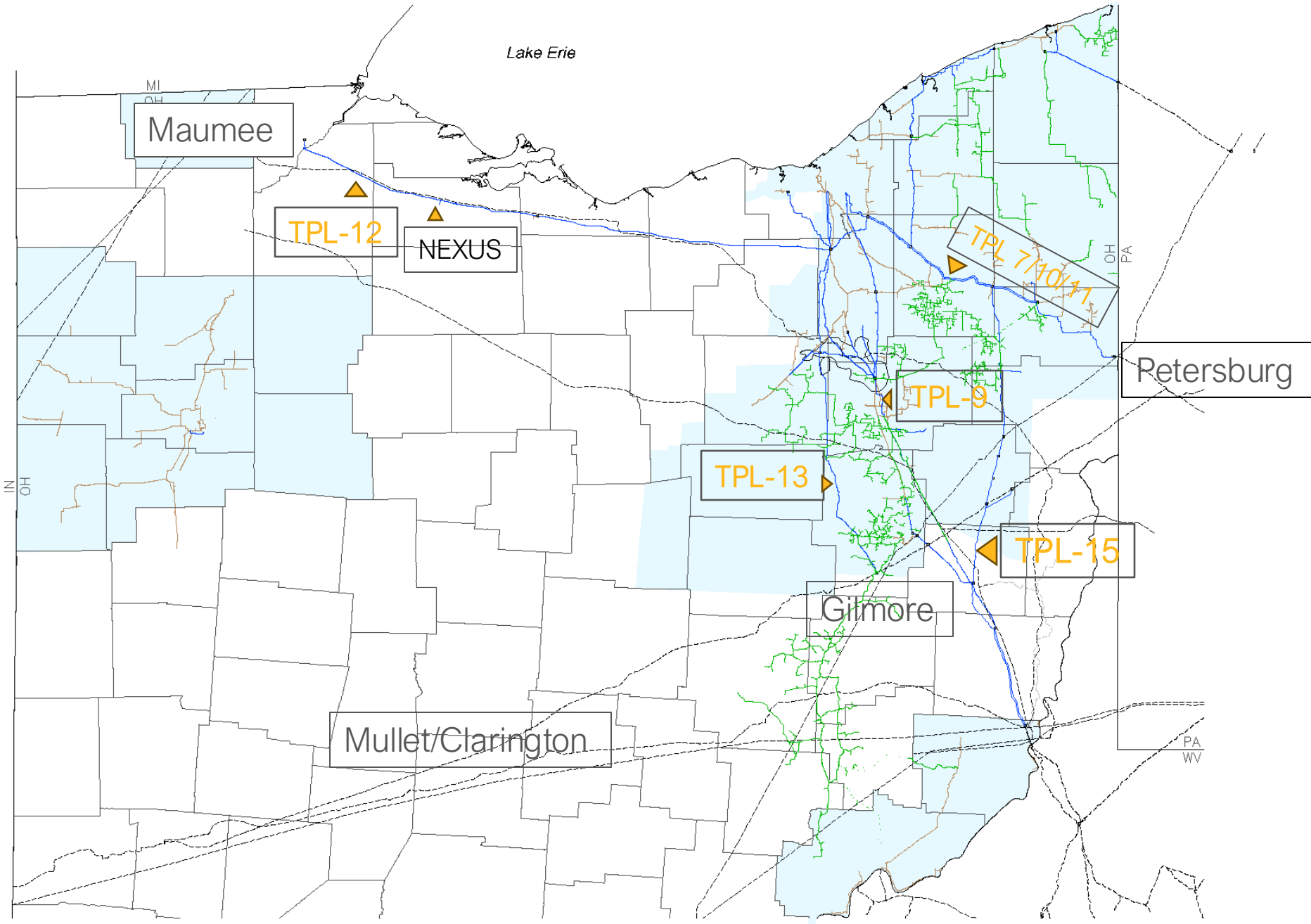
- Connected to EGO markets via TPL-12
- Interconnects at Maumee:
  - Panhandle
  - ANR
- Interconnect with NEXUS further east on TPL-12
- System requires supply from Maumee when temperature is <= 20F
- OFO Details to follow



Enbridge Gas Ohio
Service Territory

EGO Gathering system

- Extensive gathering lines throughout system connecting Ohio conventional production and plugging gaps between major interstate receipt point hubs



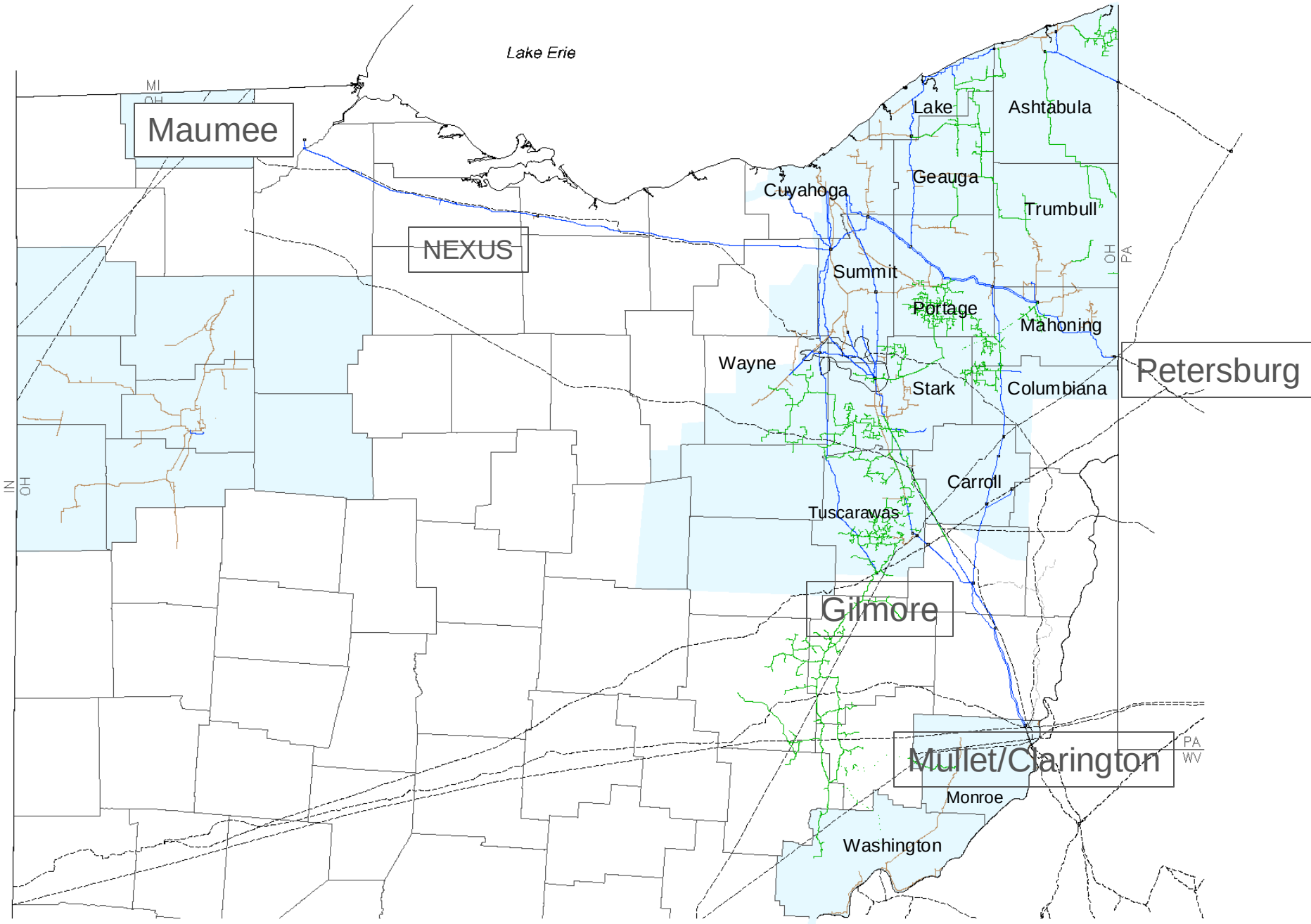
Enbridge Gas Ohio
Service Territory

EGO Gathering System

10 year* Conventional Production decline of over 30 Bcf (50+%):

- Ashtabula: -57%
- Cuyahoga: -71%
- Geauga: -52%
- Lake: -75%
- Mahoning: -27%
- Monroe: -58%
- Stark: -49%
- Summit: -71%
- Trumbull: -33%
- Tuscarawas: -57%
- Washington: -37%
- Wayne: -71%

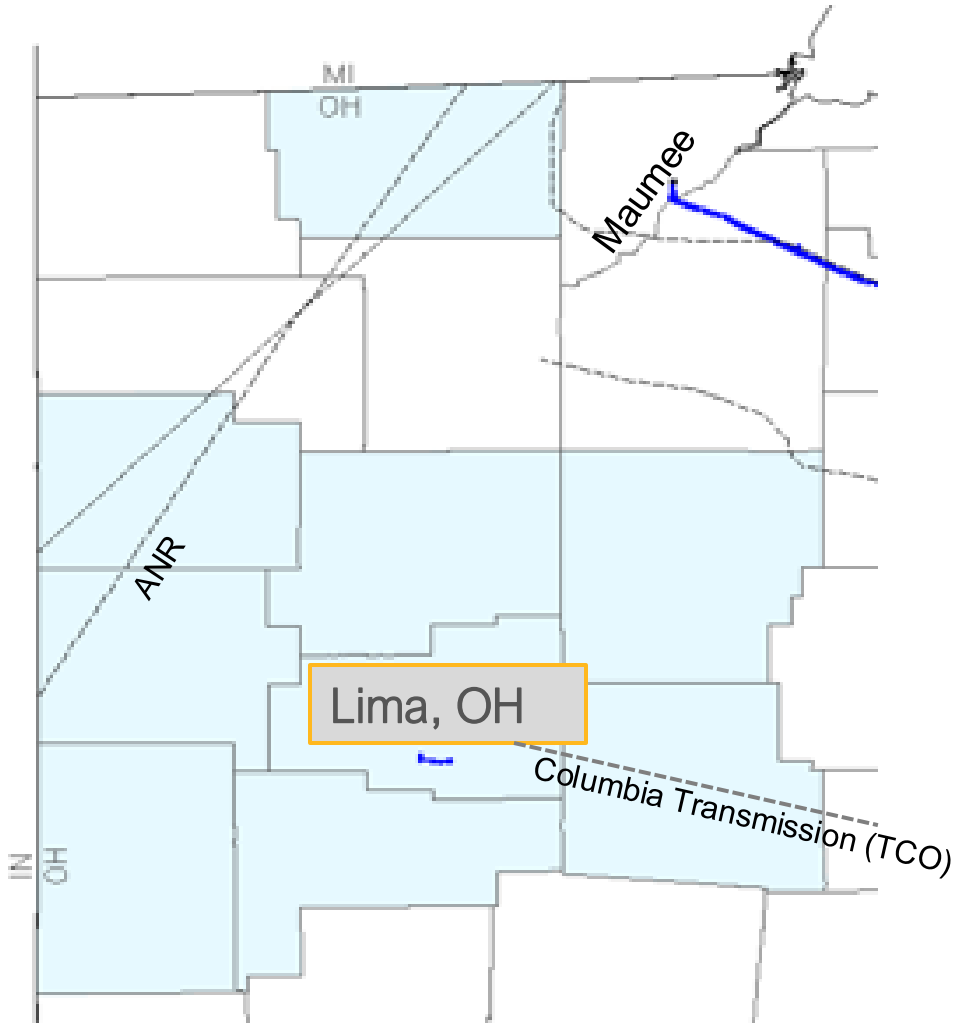
**(from 2012-2022)*



Enbridge Gas Ohio
Service Territory

West Ohio Division:
Lima, Ohio and surrounding counties in NW Ohio

- Fed primarily by Columbia Transmission (TCO) – including upstream FSS storage
- Several smaller interconnects with ANR pipeline
- No local Ohio Production (conventional or shale)
- Not connected to EGO on-system storage
- **OFO issued any time TCO declares a critical day**



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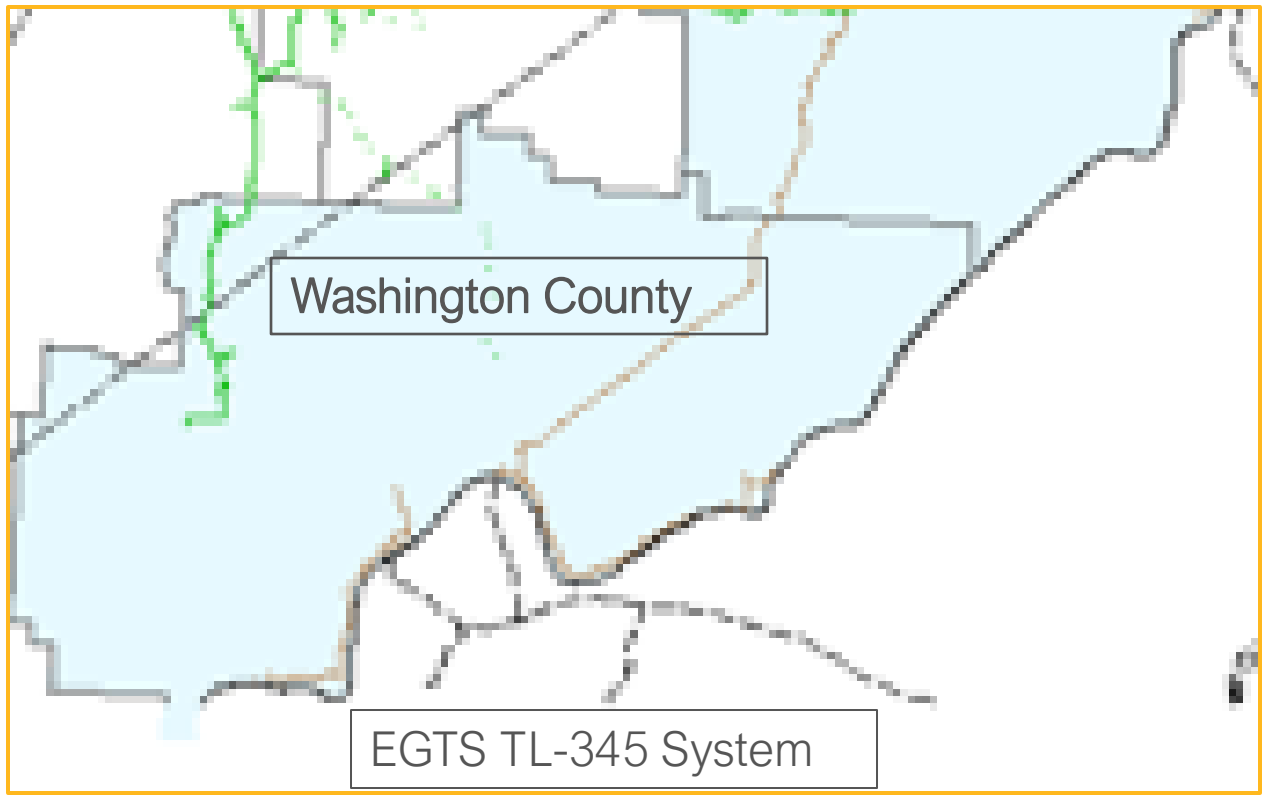
Marietta/Belpre, Ohio

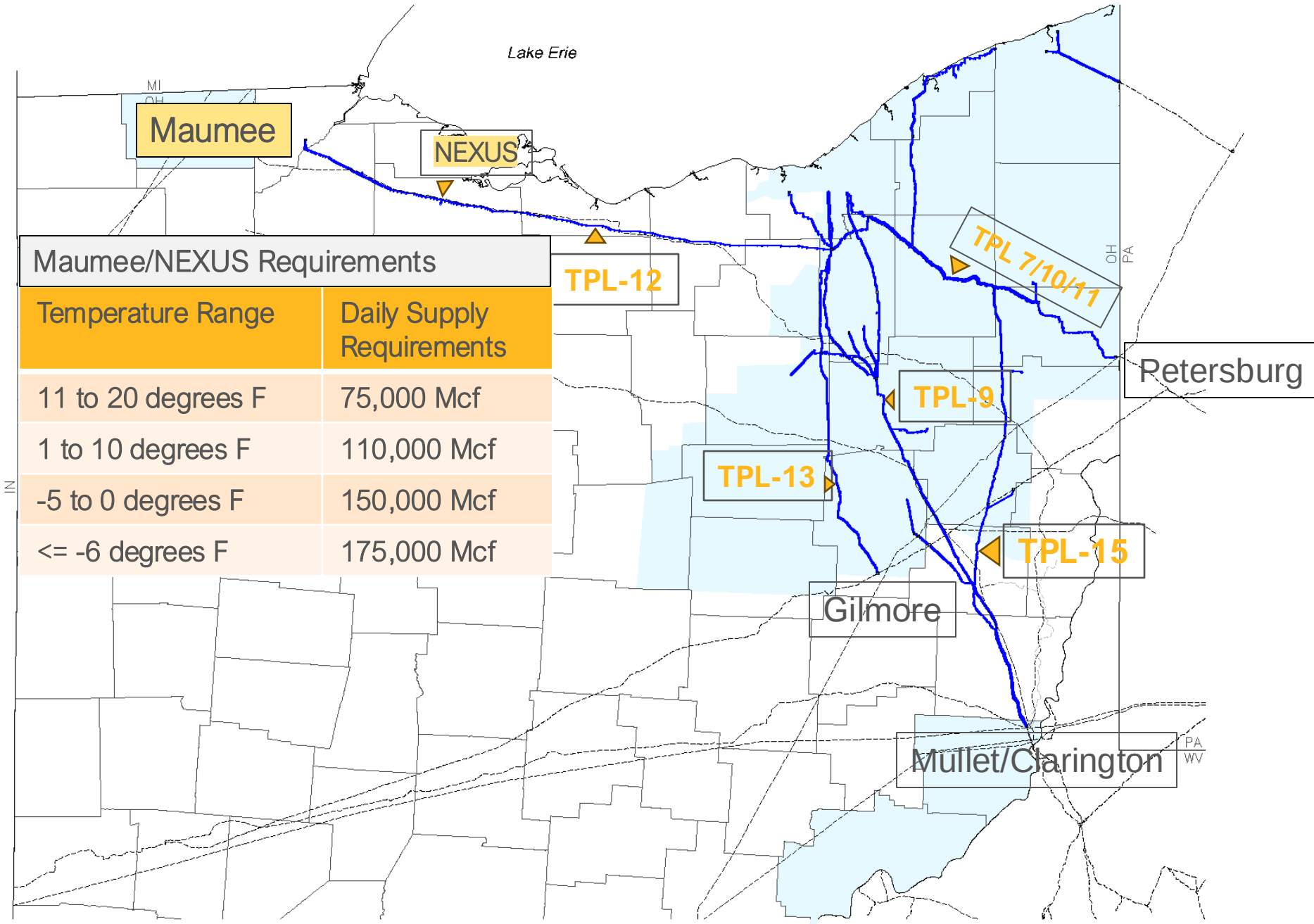
- Former River Gas System
- Primarily fed by EGTS TL-345 transmission system
- Also fed by conventional gathering and a small Columbia Transmission feed



Enbridge Gas Ohio
Service Territory

Maumee Point Specific OFO:

- Pre-determined supply requirements when daily temperature is <=20F
- Gas can be sourced from ANR, PEPL and/or NEXUS
- Under these conditions, EGO will allocate responsibility for required west side deliveries based on estimated usage of Full Requirements and Energy Choice pools and of those Daily Transportation Service customers whose load is served primarily by west side of Cleveland volumes
- Under certain operating conditions, suppliers may be required to deliver additional volumes to west side delivery points above the capacity that has been released on various pipelines



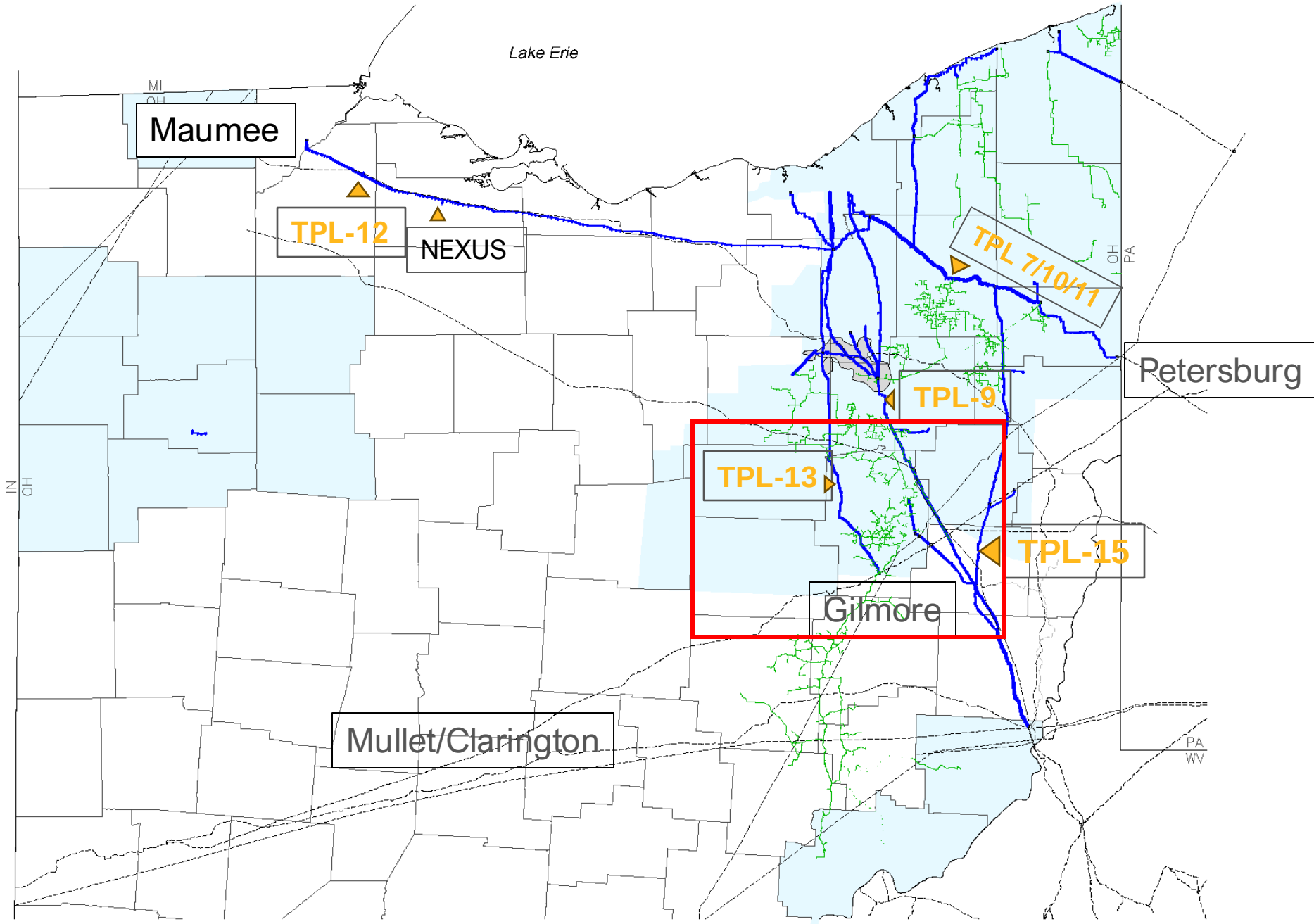
Maumee/NEXUS Requirements

Temperature Range	Daily Supply Requirements
11 to 20 degrees F	75,000 Mcf
1 to 10 degrees F	110,000 Mcf
-5 to 0 degrees F	150,000 Mcf
<= -6 degrees F	175,000 Mcf

Enbridge Gas Ohio
Service Territory

New Philadelphia OFO

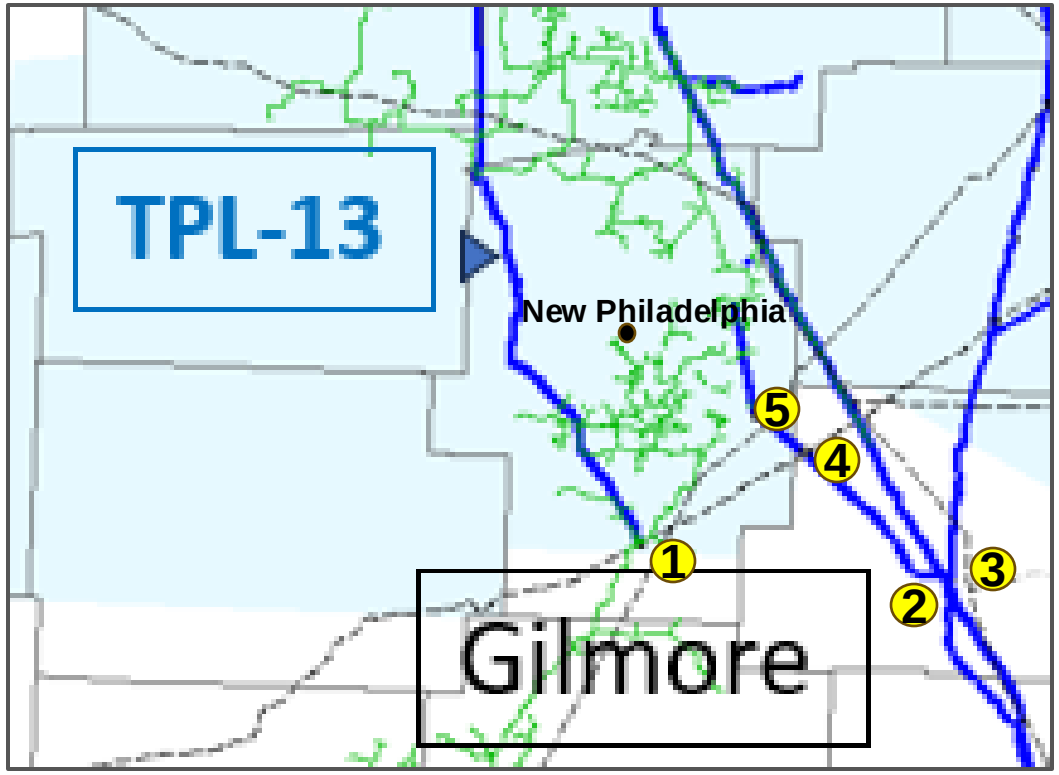
- This OFO (started in 23/24) is necessary due to reduction in conventional production and growth in natural gas usage



Enbridge Gas Ohio
Service Territory

New Philadelphia OFO

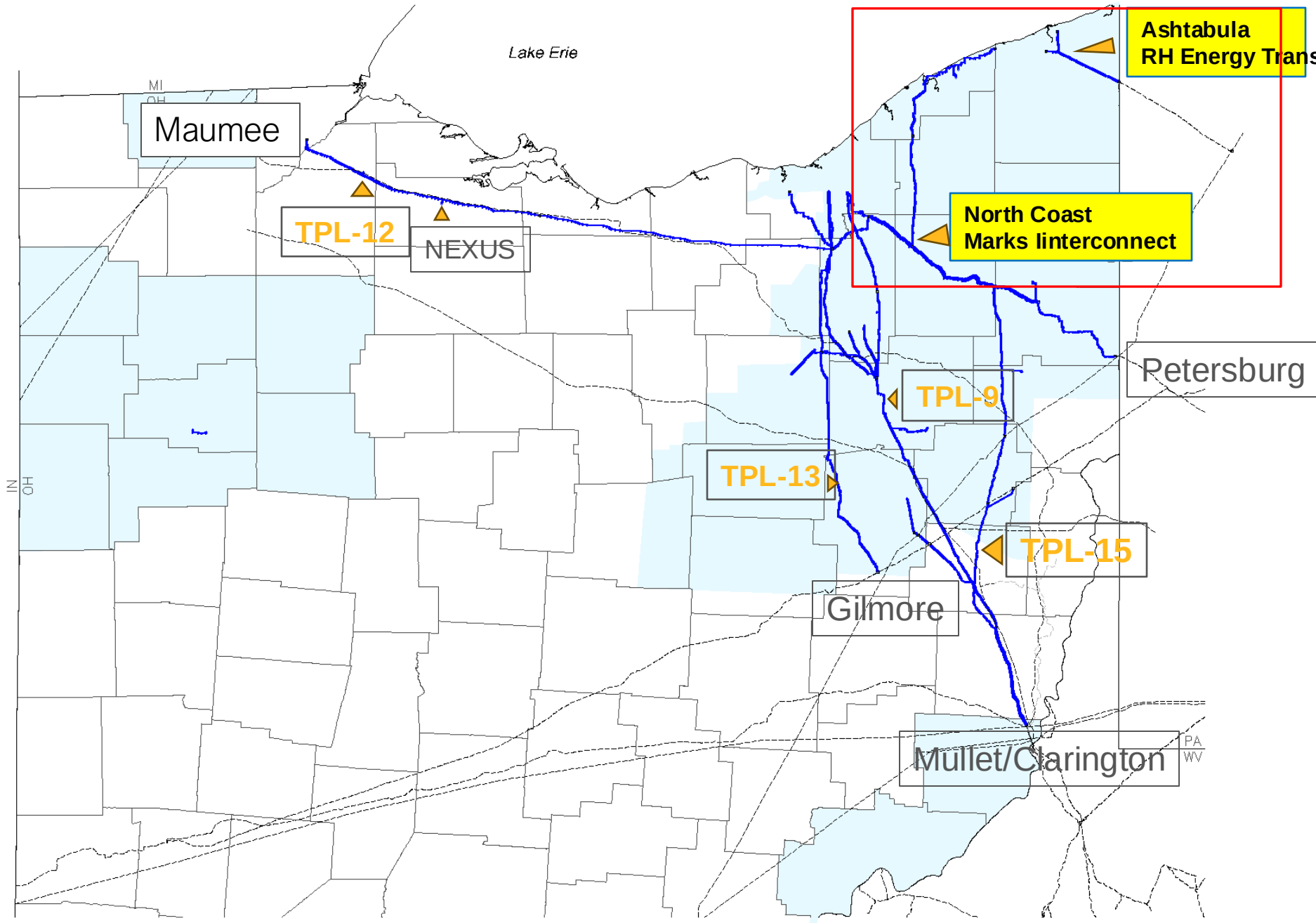
- OFO requirements met with any of the following supply sources:
  1. TGP Gilmore
  2. MarkWest Cadiz
  3. ORS Fulton
  4. EGTS Plum Run
  5. TGP Holmes
- Total Supply Requirement varies by temperature:
  - 11-20F: 20,000 Mcf
  - 1-10F: 30,000 Mcf
  - -5-0F: 40,000 Mcf
  - <= -6F: 50,000 Mcf



Enbridge Gas Ohio
Service Territory

New OFO/Isolated Point Requirements:

- North Coast/Marks Road
  - Capacity Assignment
  - Winter supply requirements
- Ashtabula/RH Energy Trans
  - Capacity Assignment
  - Winter supply requirements



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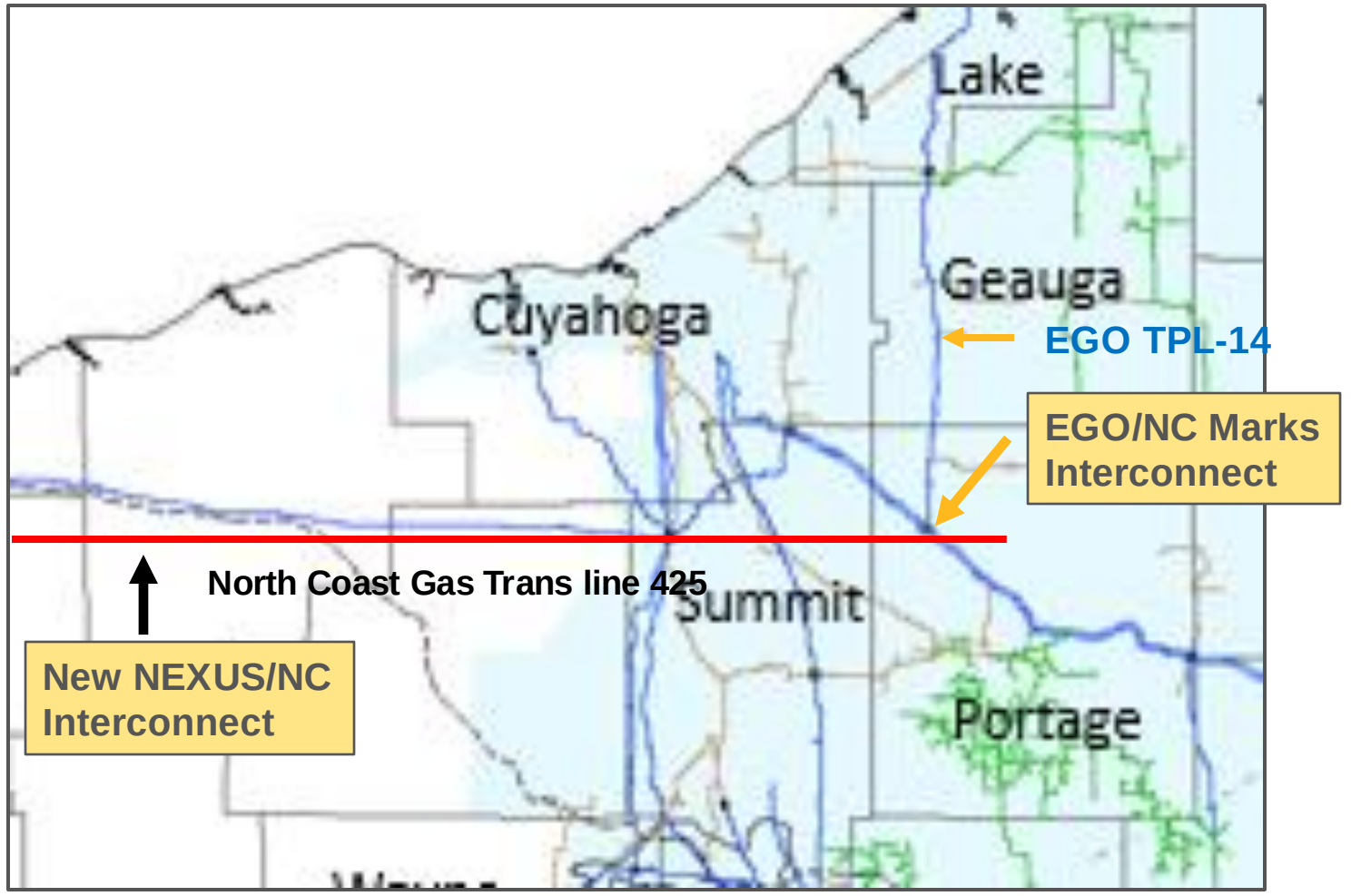
New OFO/Isolated Point Requirements:

- North Coast/Marks
  - Capacity Assignment
  - Winter supply requirements
  - New interconnect with NEXUS into North Coast

Daily requirements by temp:

- 20 to 11°F: 17,000 Dth/day
- 10 to 1°F: 25,500 Dth/day
- 0 to -5°F: 34,000 Dth/day
- <= -6°F : 42,000 Dth/day

  - Allocation methodology will be similar to Maumee and New Philadelphia OFOs



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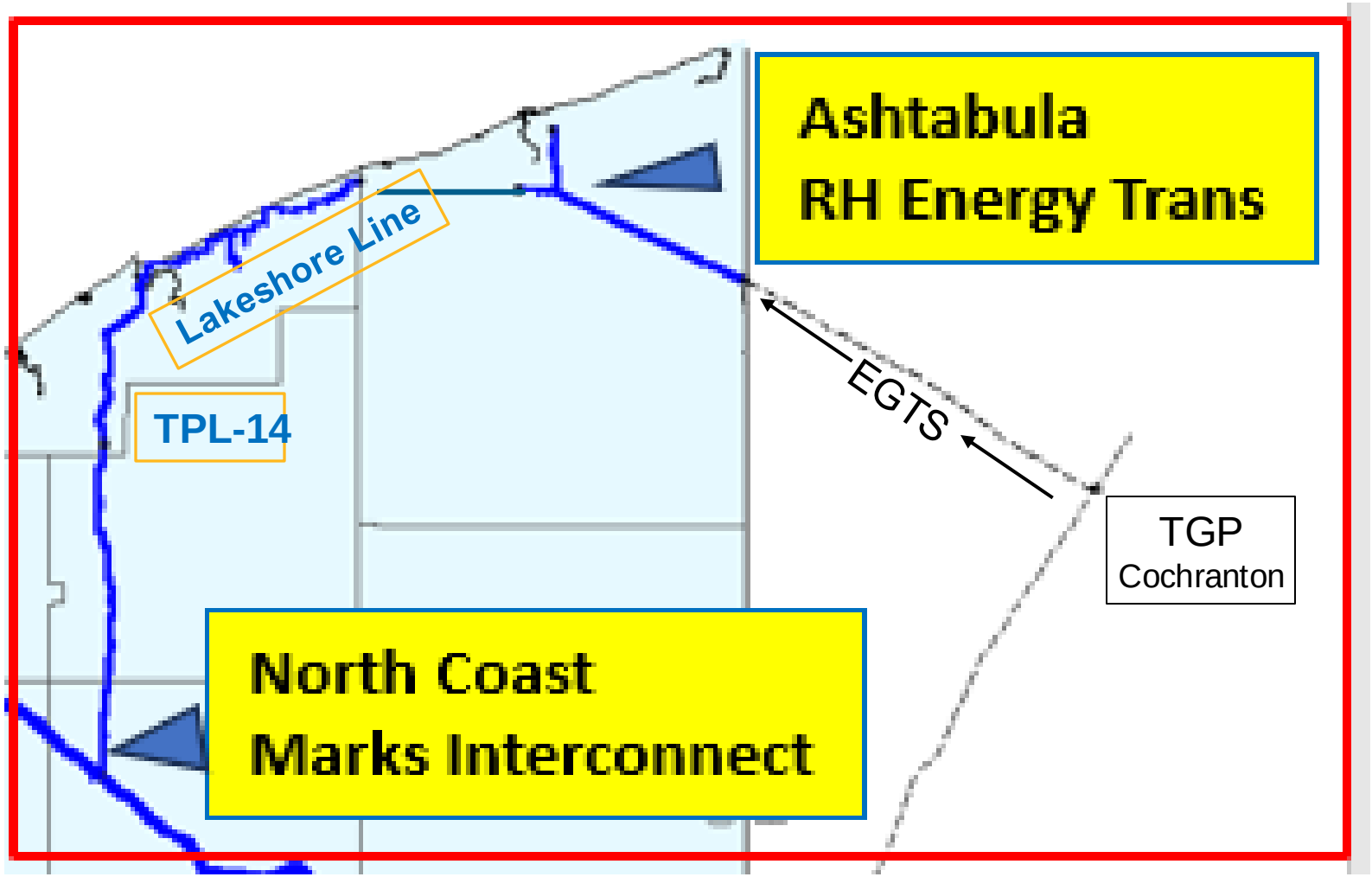
Ashtabula/Conneaut Market:

- Fed by EGTS/TGP Cochranton, Lakeshore Line via TPL-14, and RH EnergyTrans Risberg Line
- Historically this market has been fed by conventional production which is in decline
- This market faces similar issues to Eastern Cuyahoga, Geauga and Lake counties with growing customer base and declining conventional production supply
- EGO is evaluating whether a new OFO/isolated point requirement from RH EnergyTrans is required for auction year 2025-26



Enrollments

- Enrollment Timelines
- Customer Enrollment File
- Response Files

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Presented by: Ayden Canavos

Enrollment Process

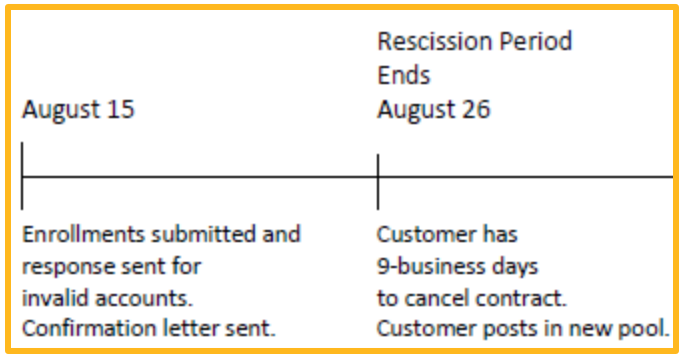
- The enrollment file is used to enroll customers along with change of status to current customers
- Status changes that can be requested:
  - > Rate change
  - > Tax percentage
  - > Bill option
- Enrollments will be processed throughout the month; files may be uploaded daily
- A response file will be returned the next day indicating acceptance or the reason for rejection

Enrollment files are processed through our web portal

Enrollment Timeline

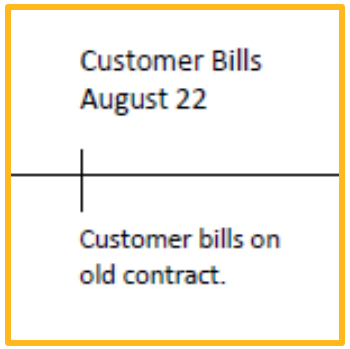
Customer must bill one final time with the current supplier before switching suppliers

Upload Enrollment



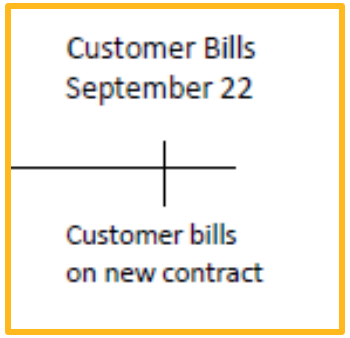
- Enrollment submitted on August 15th
- Customer has 9 days to reach out to EGO and cancel the enrollment

Bill with Previous Supplier



- Customer will bill one last time after enrollment is sent in

Switch to New Supplier



- Customer will be added in the next month for new supplier
- Bill in full, so no prorated billing

Usage of the Billing Calendar is vital to timing the enrollment files

Layout for Enrollment File

- Layout will be in a txt file and can be sent in daily before the deadline of 5:59 P.M. ET
- Naming of the file layout must be in lower-case letters in the below format

File Name:	XXXMMDDX.TXT
where: XXX	= three letter marketer code
MM	= current month file is uploaded
DD	= current day file is uploaded
X	= sequential number based on the number of files sent in any given day

- "Account number" for 5-digit accounts will include eight leading zeroes preceding the 5-digit account number

Name	Type	Size			
Account	Text	16			
PoolOper	Text	10			
PoolOpt	Text	1			
BillOpt	Text	1			
CommRate	Text	10			
TranType	Text	1			
FirstName	Text	15	or BusinessName	Text	50
MiddleName	Text	15			
LastName	Text	20			
HouseNum	Text	10			
StNamePre	Text	2			
StName	Text	28			
StNameSfx	Text	2			
StNumSfx	Text	3			
AddrOfl	Text	35			
City	Text	28			
State	Text	2			
ZipCode	Text	5	**Required for Adds and Drops**		
ZipCodePlus	Text	4			
TaxPct	Text	6	input mask 0.0000;0;#		
Timestamp	Text	26			
Blank	Text	1			
SupAcctNum	Text	20			
Blank	Text	42			

Every character is counted, and file layout must follow the exact specifications

Enrollments for Customers using Daily Transportation Service (DTS) and General Transportation Service (GTS)

- DTS and GTS account numbers are 5-digit
- Suppliers follow the normal enrollment file submission process
- DTS and GTS customers have transportation agreements with EGO – including an Exhibit A that lists approved suppliers
- EGO will prepare an updated Exhibit A and send to the customer for approval and execution

Enrollment Response Files (“c” File)

- Rejections will occur due to formatting issues or incorrect information in file
- Formatting issue examples:
  - > Missed one space after account number may prompt “bill option” error message
  - > Missed space in address may prompt “incorrect zip code” error message
- Information issue example:
  - > Account number incorrect may prompt “invalid account” error message

PRIMARY RECORD

POOL-OPERATOR-ID	NUMBER	10
ACCOUNT-NUM (customer)	NUMBER	13
REJECTION-REASON	TEXT	80
Explanation of why the account was rejected		
REJECT-REASON-CODE	TEXT	02
FILLER	TEXT	15

Rejection reasons are provided in specs file

Activity Files (“f” File)

- Includes all customers entering or exiting your pool
- You will receive *one* record for changes to an existing customer
- You will receive *two* records for adds and drops
  - > Adds and Drops will be in the activity file when received (pending) and after processing occurs (posted)
  - > The reason the customer is exiting your pool will be posted in this file

Field Name	Start	Width
PoolOper	1	10
CompNum	11	2
PoolOpt	13	1
Account	14	13
AcctType	27	1
LastBillDate	28	10
FinalBal	38	14
Status	52	1
Reason	53	1
EffectiveDate	54	10
BillCycle	64	2
CommRateNum	66	10
GovtCredGroup	76	1
Blank	77	4

These files may be downloaded through the Web Portal with 90-day history

New Communication Requirements for Customer Bills

- PUCO Order on July 8, 2024, approved an amendment to Ohio Administrative Code Section 4901:1-29-12 (Customer billing and payments)
- Customer bills "...should highlight and provide a clear explanation of any changes in the rates, terms, and conditions of service, for two consecutive billing periods."
- EGO is developing an implementation plan
  - > Implementation will likely require Suppliers to notify EGO of changes to a customer's agreement through the EGO web portal/file upload process
  - > EGO plans to develop canned messages that will be added to bills upon notice from Suppliers
- This requirement will be effective January 1, 2025

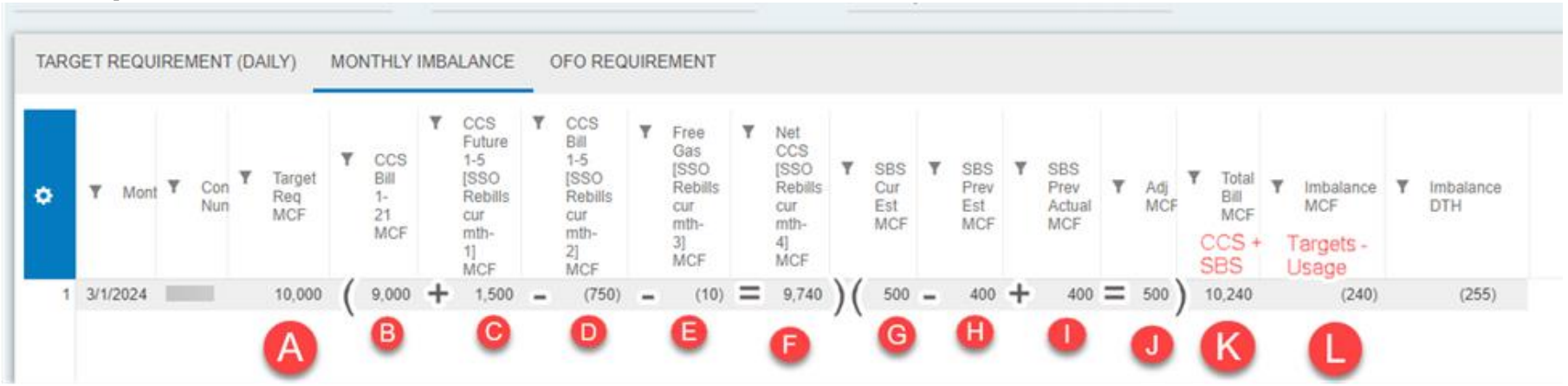
Reallocation

- True-Up calculations
- Preparing for Reallocation
  - QQM Reports available to prepare for Reallocation
- Trades available during reallocation

ENBRIDGE

Presented by: L J Lohrey

True-Up Calculation Process



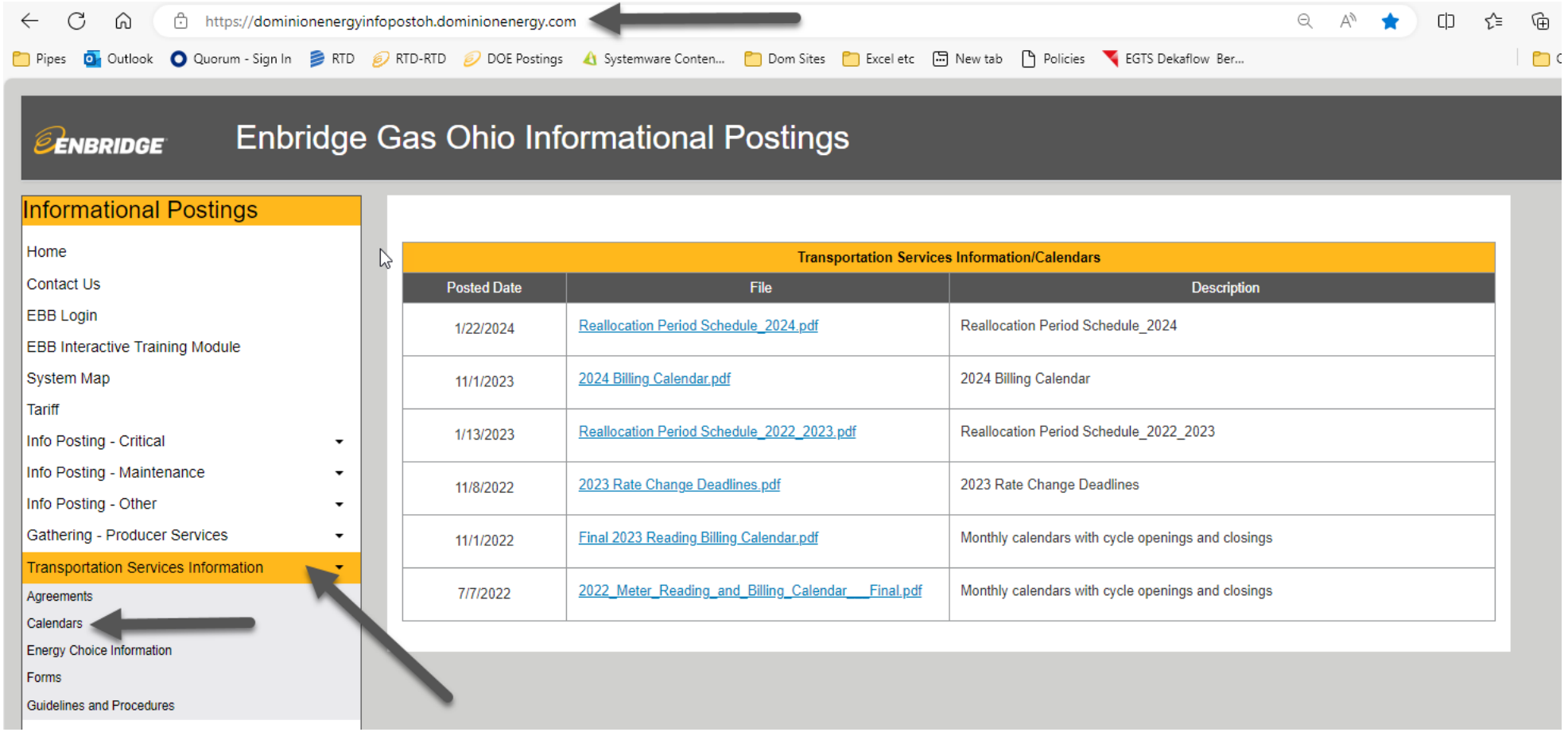
Step	Description	Volume (MCF bt)		
A	March Target (Calendar month March 1-31, 2024)			10,000
B	March 13-digit (CCS) Cycle 1-21 billed usage	9,000		
C	April CCS Cycle 1-5 billed usage + est. usage if applicable	1,500		
D	March CCS Cycle 1-5 billed usage + est. usage if applicable	-750		
E	March Free Gas	-10		
F	Total CCS usage (B+C-D+E)		9,740	
G	March 5-digit (SBS) estimated billed usage	500		
H	February SBS estimated billed usage (previous month)	400		
I	February SBS actual billed usage	400		
J	Total SBS usage (G-H+I)		500	
K	Total Usage (F+J)			10,240
L	March True-up volume (A-K)			-240

True-Up process calculates the difference between the Calendar Month targets and Billing Month usage

Preparing for Reallocation

- When is Reallocation ?

[Enbridge Gas Ohio Informational Postings (dominionenergy.com)]



Reallocation Schedule

- Days 1-2 Reallocation
- Day 3 EGO invoices end users
- Day 4 EGO invoices suppliers
- Look for emails on days 3 & 4 – EGO may have urgent questions

Enbridge Gas Ohio Informational Postings (dominionenergy.com)

REALLOCATION PERIOD SCHEDULE

REALLOCATION MONTH	OPEN DAY	CLOSE DAY
January-24	Friday, February 16, 2024	Tuesday, February 20, 2024
February-24	Monday, March 18, 2024	Tuesday, March 19, 2024
March-24	Tuesday, April 16, 2024	Wednesday, April 17, 2024
April-24	Thursday, May 16, 2024	Friday, May 17, 2024
May-24	Monday, June 17, 2024	Tuesday, June 18, 2024
June-24	Tuesday, July 16, 2024	Wednesday, July 17, 2024
July-24	Friday, August 16, 2024	Monday, August 19, 2024
August-24	Monday, September 16, 2024	Tuesday, September 17, 2024
September-24	Wednesday, October 16, 2024	Thursday, October 17, 2024
October-24	Monday, November 18, 2024	Tuesday, November 19, 2024
November-24	Monday, December 16, 2024	Tuesday, December 17, 2024
December-24	Thursday, January 16, 2025	Friday, January 17, 2025

All nominations and pool trades must be entered in QPTM, and Storage instructions received by 11:59 pm on Day 2

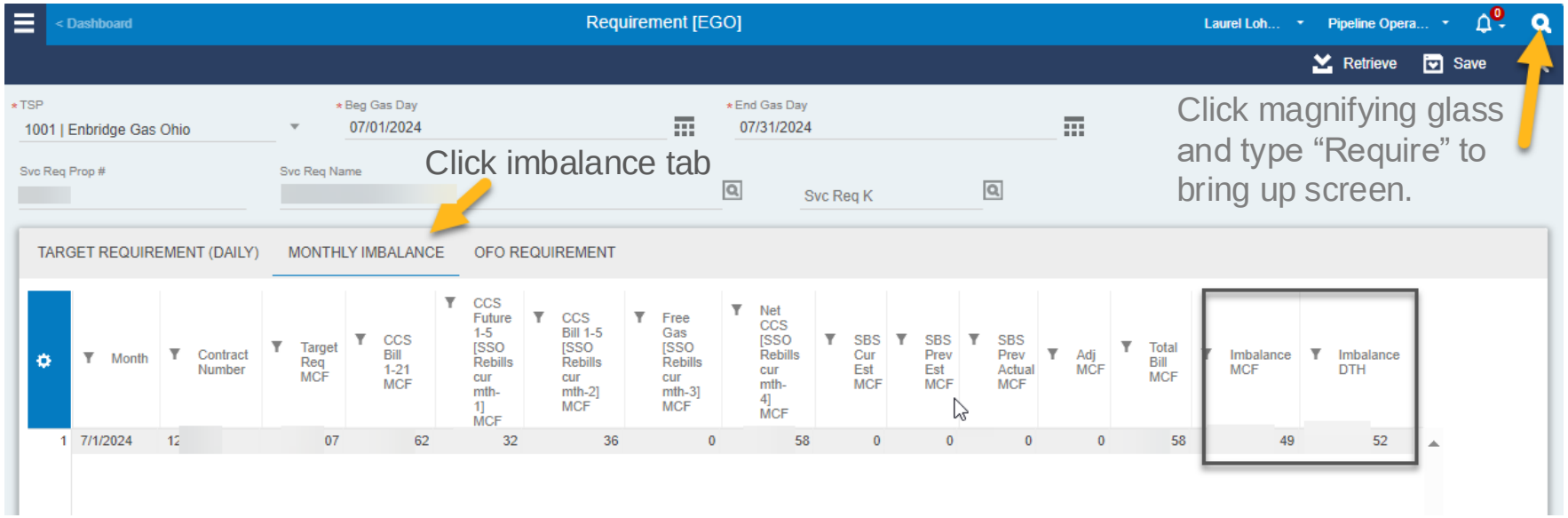
Data Available to Prepare for Reallocation

ECPS

- Storage Imbalance Report email – Subject line will be one of the following:
  - Your storage position is within tolerance! (acct 02xxx Contract 12xxx) June 2024
  - Purchase gas from EGO to fill your pool's short storage position
  - EGO plans to purchase your long storage position

Slides with golden frame are highly detailed and designed for your future reference

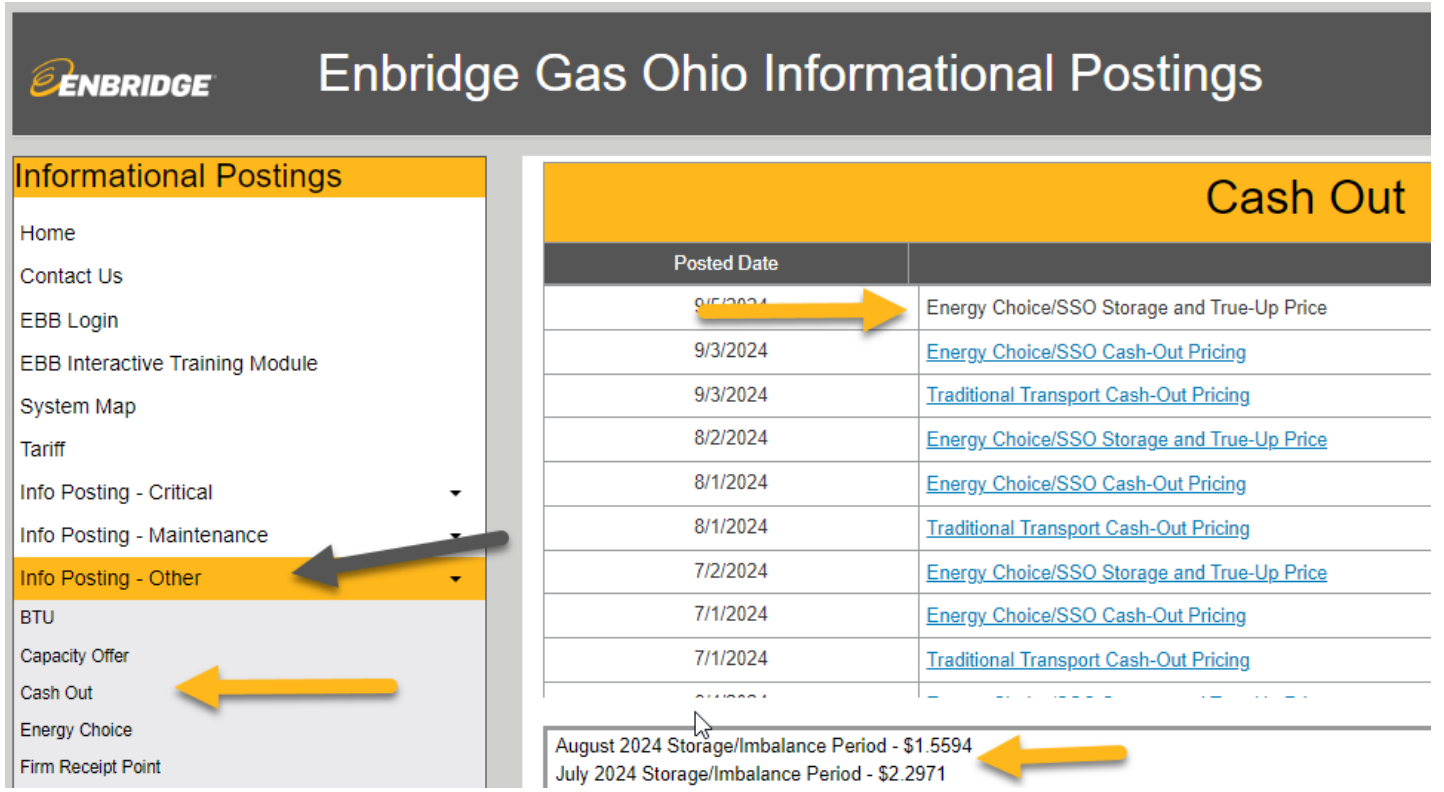
- Monthly Imbalance:
  - QPTM Imbalance Screen:
  - QQM-> Target Requirements -> Monthly_Imbalance_ Detail report



Whether your storage is long or short or in tolerance, you have options. Please carefully read the pdf attached to your storage email.

Data Available to Prepare for Reallocation

- ECPS Cash Out Prices
  - True Up imbalances use the reallocation month price
  - Storage imbalances use the capacity month price for following month
- Prices are market-based
- A pool may be able to net their True Up and Storage – but always consider the cash out prices first

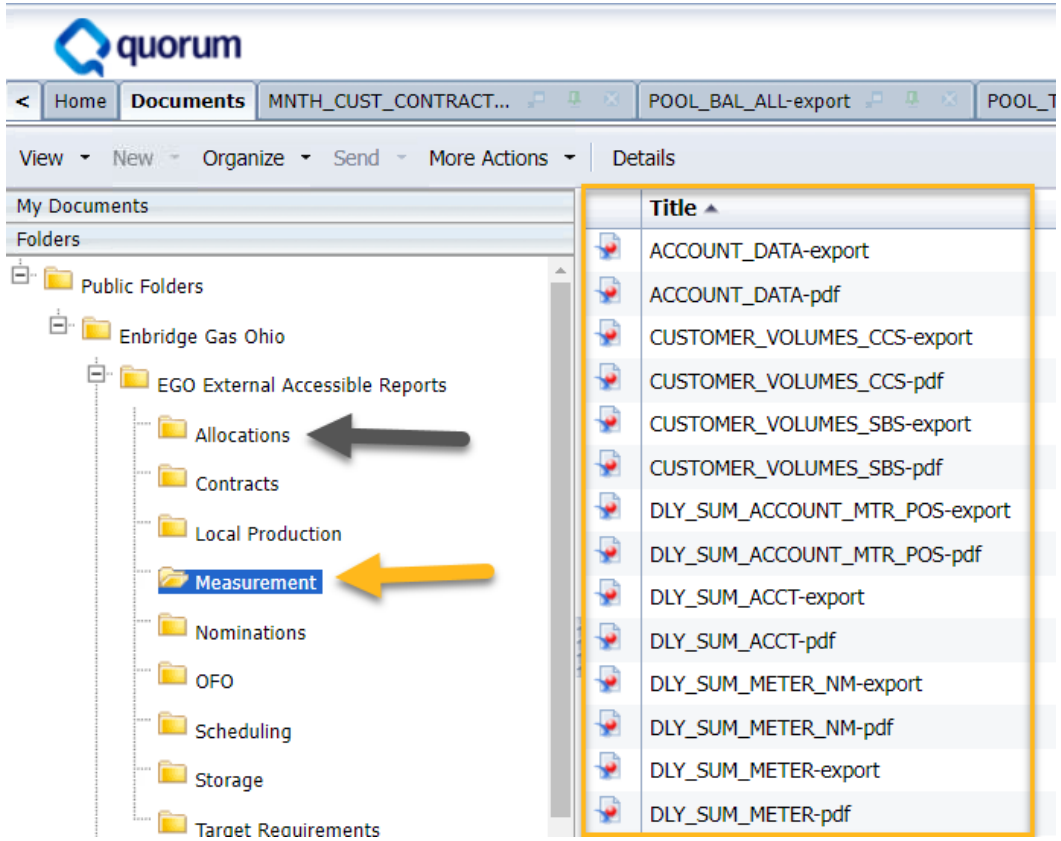


Energy Choice/SSO Storage and True-Up Price:
For July reallocation, the true up cashout price is July's price: $2.2971.
The storage imbalance cashout price is August's price: $1.5594.

ECPS – know the pool's imbalances and the cash out prices

Data Available to Prepare for Reallocation

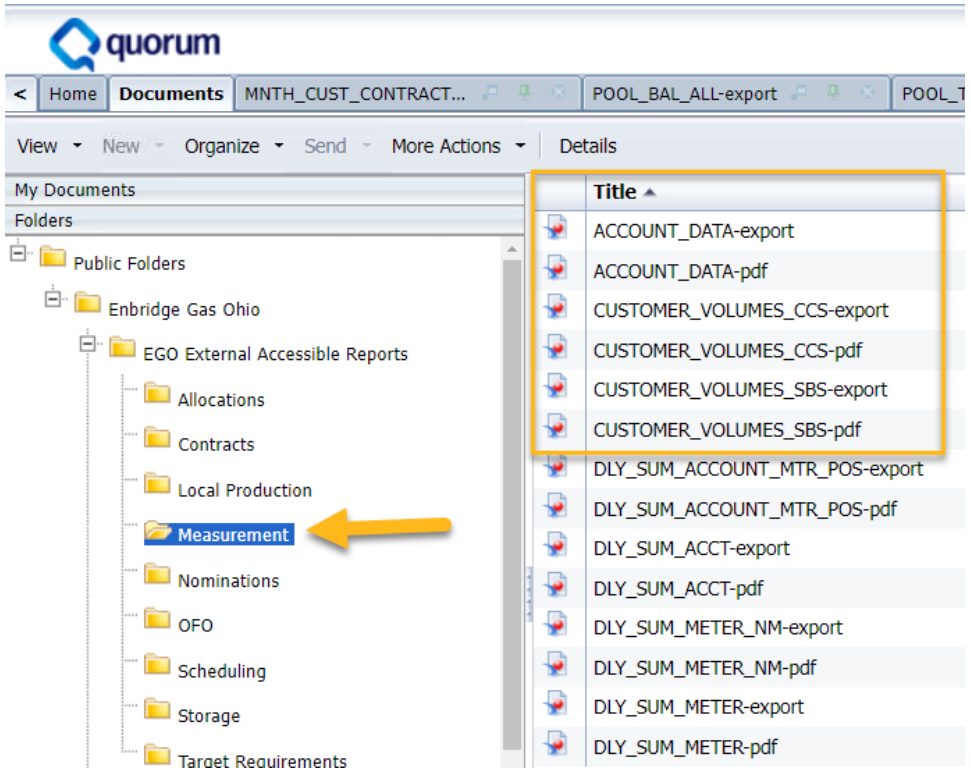
- **Traditional Pools – DPS, GPS, FRPS**
  - Broker Delivery Statement (BDS): (grey arrow)
    - QQM -> Allocations -> Broker_Delivery_Statement
    - (Volumes in city-gate Mcf)
    - May list supply volumes not found on QPTM, like prior month adjustments.
  - QQM measurement reports: (gold arrow)
    - QQM -> Measurement -> <assorted reports>
    - (Volumes in burner-tip Mcf)



Always download the Broker Delivery Statement as it might include supplies that are not listed in QPTM, like prior month adjustments.

Data Available to Prepare for Reallocation

- **Traditional Pools – DPS, GPS, FRPS**
  - Timing: Broker Delivery Statement and many measurement reports are uploaded the morning of reallocation
  - Final customer volumes are available via the top 6 reports shown at right
  - EGM reports are subject to revision until the afternoon before reallocation
    - Download them the **afternoon before reallocation**
    - EGM accounts may **have non-egm meters** (and rounding happens), so check the Account_Data or Customer_Volumes_SBS report for totals



Final, total customer burns for the month are available in the QQM -> Measurement -> ACCOUNT_DATA and Customer_Volumes_SBS and Customer_Volumes_CCS reports.

QQM Reports Available to Prepare for Reallocation

- Broker Delivery Statement (BDS) - FRPS example:

Volumes are all in MCF Cg.

```
                    BROKER DELIVERY STATEMENT                PRELIM 07/16/2024                    note report date and report TYPE in top right corner
  CONSUMPTION MONTH 06/24  NAME Acme Gas
  SYSTEM AVG. BTU  1.0610 CONTRACT  12002     ACCOUNT  00xxx

  SOURCES OF SUPPLY
  SUPPLY CODE                              DT SUPPLY          MCF SUPPLY
  -----------                            ---------------   -----------------

  CT    EASTERN GAS TRANS
  ML001 ACME GAS,INC                           930.0  DT          876.5  MCF

  PAY
        PAYBACK FOR GAS ADVANCED                 0.0  DT            0.9- MCF

  BRK   GAS FROM ANOTHER POOL
  12018 Gazelle Gas                            0.0  DT          753.3  MCF                                    note pool trade

  NOMINATION VOLUMES                     ORIGINAL NOMINATED   DISTRIBUTED          TOLERANCE        TOL    PREV      MONTH ADJ
  CUSTOMERS                                   VOLUMES            VOLUMES            VOLUMES         PCT    MONTH     RTN BANK VOL
  ---------                                   -------            -------            -------         ---    -----     ------------

  90xxx      ACME GAS- 10% VB              200,000.0  MCF           931.0  MCF          89.1  MCF  0.10                Note Tolerance Volumes are summed to calculate Allowable Bank

  90xxx      ACME GAS- 2% VB               200,000.0  MCF             6.7  MCF           .1  MCF  0.02                Note distributed volumes show cg MCF cg value of FRPS customer (group) burns.

                                        ----------------------------------
       TOTAL SUPPLY VOLUMES                                      1,628.9  MCF
       TOTAL ALLOCATIONS                 1,000,000.0               937.7  MCF
       RESULTANT BALANCE                                           691.2  MCF
       SUM OF ASSIGNED TOLS (ALLOW BANK)                            89.2                          Pooler may carry allowable bank forward two months
                                                               ----------------
       EXCESS BANK (CASH OUT)                                      602.0                          gas above allowable bank (volume bank allowance) is cashed out
       REMAINING BANK                                               89.2
```

QQM Reports Available to Prepare for Reallocation

- Broker Delivery Statement (BDS) – DPS/GPS example:

Volumes are all in MCF Cg

```
                        BROKER DELIVERY STATEMENT        PRELIM 07/16/2024

CONSUMPTION MONTH 06/24  NAME ACME ENERGY,INC
SYSTEM AVG. BTU  1.0610 CONTRACT  12004     ACCOUNT  00xxx
```

note report date and report TYPE in top right corner

note no supply section, as most poolers ship all traditional pool supply to FRPS

```
NOMINATION VOLUMES                    ORIGINAL NOMINATED   DISTRIBUTED          TOLERANCE          TOL    PREV      MONTH ADJ
CUSTOMERS                                  VOLUMES            VOLUMES            VOLUMES            PCT    MONTH     RTN BANK VOL
---------                                  -------            -------            -------            ---    -----     ------------

11xxx Z    Red Balloon Taffy Co              720.0  MCF            0.0  MCF                 MCF   0.02
                                    ------------------------------------
     TOTAL SUPPLY VOLUMES                                         0.0  MCF
     TOTAL ALLOCATIONS                       720.0                0.0  MCF
     RESULTANT BALANCE                                            0.0  MCF
     SUM OF ASSIGNED TOLS (ALLOW BANK)                            0.0
                                                  ----------------
     EXCESS BANK (CASH OUT)
     REMAINING BANK
```

prior month rebills of an end user will show up on the far right column

Note that tolerance volume doesn't calculate on Prelim Statement for GPS. Pooler will need to calculate it. Multiply the customers' consumption in burner tip mcf by the Tol Pct.

Despite not showing Allowable Bank, there may well be an allowable bank

Supplier should determine Red Balloon Taffy Co's actual burn by using QQM reports, and update the QPTM nom to Red Balloon appropriately.

Supplier should consider their ECPS/SSO pool imbalances and decide whether to shift gas between FRPS and EPCS.

If so, supplier must enter the noms in QPTM to do so.

When reallocation closes, EGO will re-upload QPTM noms into their balancing/billing system and then:

EGO will shift gas between FRPS, GPS and DPS to achieve a good balance.

Note for poolers with **optional storage service (I/O or FSS);** Because EGO will balance across FRPS/GPS/DPS pools (east side separately from west side), Each reallocation period, please email EGO a short summary indicating whether long gas should be optimized within the banking allowance,or injected into storage.

QQM Reports Available to Prepare for Reallocation

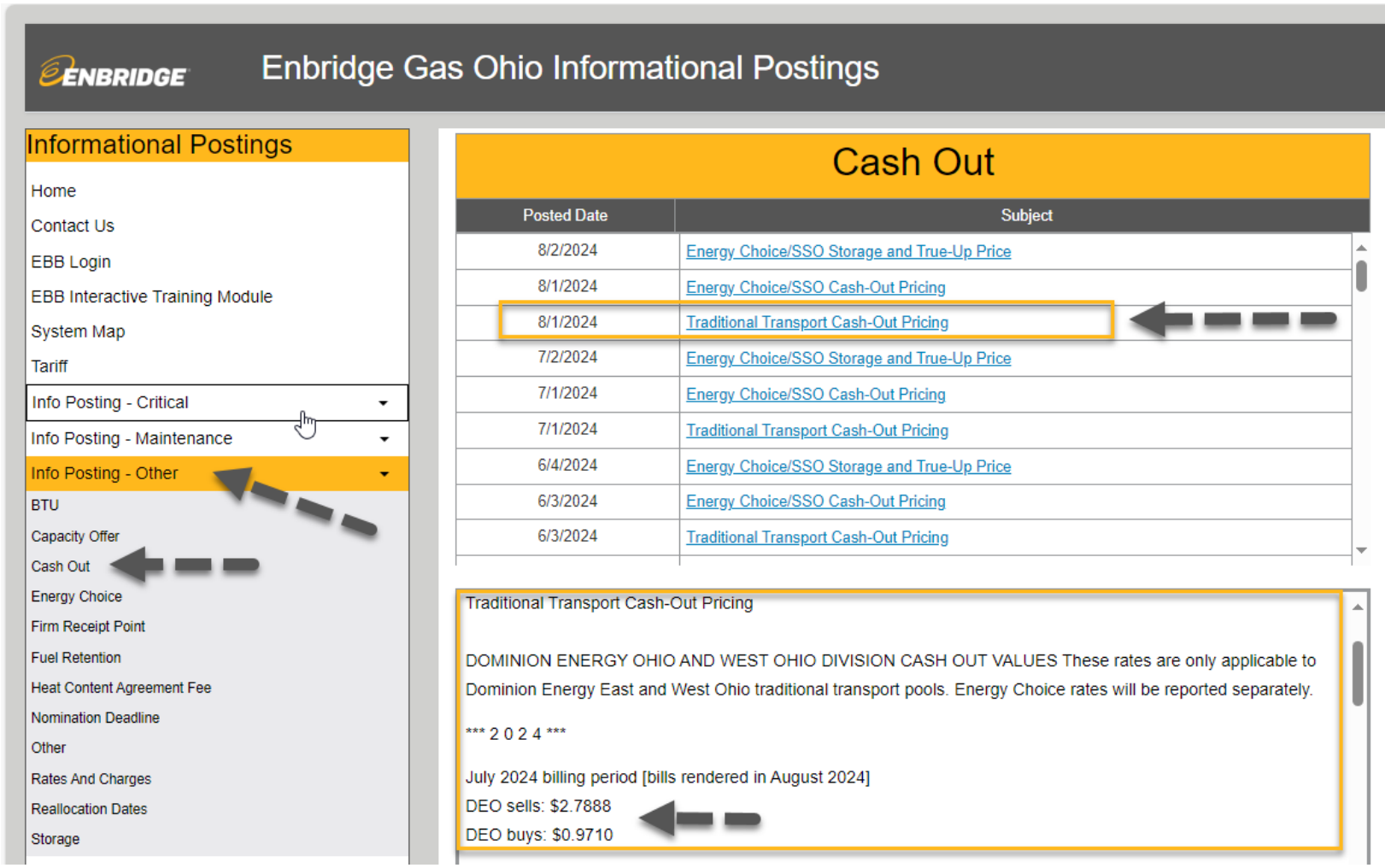
- **Summary: Broker Delivery Statement (BDS) (Traditional Pools – DPS/GPS/FRPS)**
  - All volumes in city gate Mcf
  - Always download and review your BDS – there may be supply adjustments that were not included in QPTM
  - Treat DPS+GPS+FRPS supplies separately for each territory (east side/west Ohio side)
    - Within each "side"
      - Sum all supply for DPS+GPS+FRPS
      - After reallocation closes, EGO will re-balance your DPS+GPS+FRPS pools to optimize
  - For FRPS pools, "Distributed Volumes" is the Mcf city gate equivalent of the burn
  - For DPS and GPS pools – the BDS end user volumes are nominated volumes, not actual burns
    - Always look up the actual burns in QQM (QQM meter measurement is always in burner tip Mcf)
  - Goal: know your Traditional Pool imbalance, then plan trades to clear it via trades (and/or optional storage)

Data Available to Prepare for Reallocation

- **Traditional Pools – DPS, GPS, FRPS**
  - Having downloaded your supply and your customer burn, calculate your traditional pool imbalance as Total Supply minus Total Allocations to Customers.
  - Understand your allowable bank – how much long gas you could roll forward two months :
    - for GPS, calculate your allowable bank
    - add that to your FRPS allowable bank from the broker delivery statement

Data Available to Prepare for Reallocation

- Traditional Pools – DPS, GPS, FRPS
  - Know the Cashout Rates
  - Cashout rate for traditional pools is different than the ECPS/SSO cashout rate



Reallocation

Available Trades: Traditional and Choice Pools

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Presented by: L J Lohrey

ECPS Reallocation Options

- ECPS/SSO pools may clear their True Up Imbalance by:
  - Transferring between ECPS pool's true up imbalance and ECPS-S storage*
    - Email eog_trans_serv@dominionenergy.com to request a storage net
  - Buying or selling the short/long from/to EGO (cash out)
  - Trading with an ECPS or FRPS pool
    - Seller pays $100 for the "IM" type trade
    - Trade to/from same BA's FRPS, trade fees are waived

* Storage Nets must reduce your imbalance, not push inventory outside of ratchet or above capacity. Take care that it won't negatively impact your following month's inventory plan.

ECPS Reallocation Options

- Buying or selling the short/long from/to EGO
  - Enter the sale/purchase in QPTM using templates below

Resolve ECPS monthly true up imbalance via sale/purchase to/from EGO:

If the supplier wishes to sell or purchase all or a portion of the imbalance to DEO, the supplier must enter the transaction in their ECPS/SSO pool on the last day of the month.

QPTM Nom Submission Screen Simulator (volumes in DT)

If **selling** the imbalance volume to DEO, the ECPS/SSO supplier must enter a TT = "ML" trade like this: (see bottom row.)

True up is Long (Imbalance is positive)	Gas Day	TOS	Svc Req Name	Svc Req K	Rec Loc	Rec Loc Name	Del Loc	Del Loc Name	TT	Rec Qty	Del Qty	
IF DEO created this entry: True up is Long	7/31/2024	ECPS	Acme Gas	12001	Co001	Int Cash Out/Imb	12001	Acme Gas-ECPS	TU	6000	6000	
Supplier please enter volume you are	7/31/2024	ECPS	Acme Gas	12001	12001	Acme Gas-ECPS	Co002	MONTHLY IMBALANCE	ML	6000	6000	Enter the actual DT vol you plan to SELL to DEO.
SELLING TO DEO												If you'll be using storage or trades with other poolers to cover your imbalance, this number will less or even zero

If **purchasing** the imbalance gas from DEO, the ECPS/SSO supplier must enter a TT = "MS" trade like this: (see bottom row.)

True up is Short (Imbalance is negative)	Gas Day	TOS	Svc Req Name	Svc Req K	Rec Loc	Rec Loc Name	Del Loc	Del Loc Name	TT	Rec Qty	Del Qty	
If DEO created this entry: True up is Short	7/31/2024	ECPS	Acme Gas	12001	12001	Acme Gas-ECPS	Co001	Int Cash Out/Imb	TU	6000	6000	
Supplier please enter volume you are	7/31/2024	ECPS	Acme Gas	12001	Co002	MONTHLY IMBALANCE	12001	Acme Gas- ECPS	MS	6000	6000	Enter the actual DT vol you plan to BUY from DEO.
PURCHASING FROM DEO												If you'll be using storage or trades with other poolers to cover your imbalance, this number will less or even zero

(Co002 is actually CO002. "C, capital letter O, zero, zero two". The template uses a lower case o to highlight it's not a zero.)

To enter the buy/sell, consider copying the "TU" line,
flip the rec loc and del loc, use Co002 instead of Co001, and update the TT to ML or MS

Pool Trades:

- Imbalances may be cleared via pool trades.
- Pool trades FRPS ⟷ ECPS trades are complicated by the fact that:

  > Broker delivery statement is in city gate Mcf

  > In QPTM,
  - DPS/GPS/FRPS volumes are all city-gate Dt
  - ECPS is balanced on the Del QTY side – burner tip Dt

See next three pages for examples and calculation

Available Trades: Traditional and Choice Pools

If you have an FRPS pool, you may be able to do an imbalance trade between FRPS/ECPS

to net the imbalances -
(if one is long and the other short)

Here's the math -->

FRPS Broker Delivery statement volumes are in MCF city gate.
ECPS QPTM volumes are in DT bt.

ECPS True Up vol in DT bt	**ECPS DT bt** (QPTM)	/ Shrink = FRPS dt cg (QPTM)	/ btu = **FRPS mcf cg** (BDS)	Broker Deliv Statemt vol in mcf cg
	6000	6269.6	5909.1	

Broker Deliv Statemt vol in mcf cg	**FRPS mcf cg** (BDS)	x Shrink = FRPS dt cg (QPTM)	x btu = **ECPS dt bt** (QPTM)	ECPS True Up vol in DT bt
	5909	5654.9	6000	

the $100 "IM" fee is waived between for trades between your FRPS and your ECPS pools.

Why bother? Because the cashout rates for traditional transport pools are punitive.

The Energy Choice/SSO Storage and True-Up Price is market based.

for 4/2024 - 3/2025, shrink = 0.957 = (1-0.043 fuel). BTU = 1.061 East side, 1.072 West side

Shrink: 0.957 BTU: 1.061

Trades between FRPS and ECPS pools are possible.
The ECPS side of a pool trade is always entered into QPTM in burner tip Dt. FRPS trades are always entered in QPTM in city gate Dt.

Available Trades: Traditional vs Choice Pools

QPTM Nom Submission Screen Simulator (volumes in DT)

During reallocation - all trades involving ECPS must be "Imbalance" trades. Imbalance trades are $100 per trade, paid by the seller

Imbalance Pool Trade - **ECPS ->ECPS**	**QPTM** Gas Day	TOS	Svc Req Name	Svc Req K	Rec Loc	Up K	Rec Loc Name	Del Loc	Dn K	Del Loc Name	TT	Rec Qty	Del Qty	
ECPS Pool **Seller** enters:	7/31/2024	ECPS	Acme Gas	12001	12001		Acme Gas-ECPS	BP006	12017	BALANCING POINT-	IM	6000	6000	
ECPS Pool **Buyer** enters:	7/31/2024	ECPS	Gazelle Gas	12017	BP006	12001	BALANCING POINT	12017		Gazelle Gas-ECPS	01	6000	6000	
Trades between ECPS pools must move their imbalances toward zero (a pooler can't buy from one and sell to another.)														
Imbalance Pool Trade - **ECPS -> FRPS**	**QPTM** Gas Day	TOS	Svc Req Name	Svc Req K	Rec Loc	Up K	Rec Loc Name	Del Loc	Dn K	Del Loc Name	TT	Rec Qty	Del Qty	
ECPS Pool **Seller** enters:	7/31/2024	ECPS	Acme Gas	12001	12001		Acme Gas-ECPS	BP006	12018	BALANCING POINT-	IM	6000	6000	ECPS vol = FRPS vol * shrink
FRPS Pool **Buyer** enters:	7/31/2024	FRPS	Gazelle Gas	12018	BP006	12001	BALANCING POINT	12018		Gazelle Gas-FRPS	01	6270	6270	FRPS vol = ECPS vol / shrink
														(FRPS Volume is higher)
Imbalance Pool Trade - **FRPS -> ECPS**	**QPTM** Gas Day	TOS	Svc Req Name	Svc Req K	Rec Loc	Up K	Rec Loc Name	Del Loc	Dn K	Del Loc Name	TT	Rec Qty	Del Qty	
FRPS Pool **Seller** enters:	7/31/2024	FRPS	Acme Gas	12002	12002		Acme-FRPS	BP006	12017	BALANCING POINT-	IM	6270	6270	FRPS vol = ECPS vol / shrink
ECPS Pool **Buyer** enters:	7/31/2024	ECPS	Gazelle Gas	12017	BP006	12002	BALANCING POINT	12017		Gazelle Gas-ECPS	01	6000	6000	ECPS vol = FRPS vol * shrink
ECPS pool trades must move their ECPS imbalance toward zero. (An ecps trade can't make them longer or shorter.)														(FRPS Volume is higher)
for 4/2024 - 3/2025, shrink = 0.957 = (1-0.043 fuel). BTU = 1.061 East side, 1.072 West side						Shrink:	0.957							

The ECPS side of a pool trade is always entered into QPTM in burner tip Dt. FRPS trades are always entered in QPTM in city gate Dt.
Always use BP006 for the balancing point. Seller used IM for the transaction type.
When negotiating the trade, always be clear whether the volume is stated in DT cg or DT bt.

Available Trades: Traditional vs Choice Pools

- For completeness, here's an example FRPS to FRPS trade. All QPTM volumes for FRPS are in cg Dt.

And for completeness --

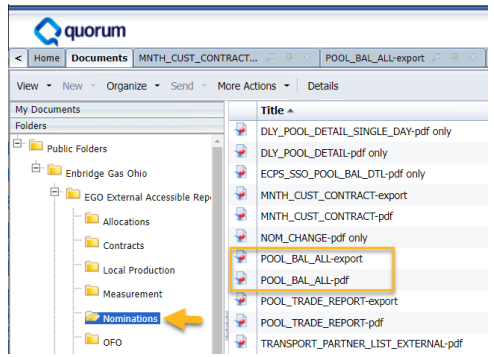
QPTM Nom Submission Screen Simulator (volumes in DT)

During reallocation - FRPS to FRPS trades may choose "IM" or "PP". The price for PP is 3.5 cents per mcf cg (East side), 3.0 cents per mcf cg (West Ohio)

Imbalance Pool Trade - **FRPS -> FRPS**	**QPTM** Gas Day	TOS	Svc Req Name	Svc Req K	Rec Loc	Up K	Rec Loc Name	Del Loc	Dn K	Del Loc Name	TT	Rec Qty	Del Qty	
FRPS Pool **Seller** enters:	7/31/2024	FRPS	Acme Gas	12002	12002		Acme Gas-FRPS	BP001	12018	BALANCING POINT-	**IM** (OR **PP)**	6270	6270	both parties should use BP001 (east) or BP003 (west)
FRPS Pool **Buyer** enters:	7/31/2024	FRPS	Gazelle Gas	12018	BP001	12002	BALANCING POINT	12018		Gazelle Gas-FRPS	01	6270	6270	

Report to Finalize ECPS Reallocation

- After all trades are entered into QPTM, run the QQM -> Nominations -> POOL_BAL_ALL report for the last day of the reallocation month to verify your ECPS/SSO pool(s) are in balance
  - EGO attempts to enter storage adjustments soon after requested. If this report is run before the adjustment is entered, it will show out-of-balance by the storage adjustment amount



REPORT ID:
POOL_BAL_ALL-pdf

Enbridge Gas Ohio
POOL BALANCE SUMMARY
07/2024

RUN DATE: 08/18/2024
RUN TIME: 11:21 AM
PAGE NUMBER: 1

Report shows pool is not yet balanced for reallocation.
ALL ZEROS indicates ECPS fully in balance

1 ECPS

DAY OF MONTH	-FROM CF POINT-DTH	-TO CF POINT-DTH	TOTAL DTH
07/01/2024	0	0	0
07/02/2024	0	0	0
07/03/2024	0	0	0
07/04/2024	9	9	0
07/29/2024	6	6	0
07/30/2024	6	6	0
07/31/2024	6	8	52
TOTAL AT: 1 ECPS	5	7	52
TOTAL	5	7	52

When the Pool_Bal_All report shows zeroes for all days and zero for the total, the ECPS/SSO pool is balanced and its True-Up is cleared

Available Trades: Traditional and Choice Pools

- Pricing for Trades:
  - Imbalance Trades vs Pool transfers “IM” (seller chooses TT=IM or PP, buyer uses TT= 01)
    - “IM” Imbalance: $100 per trade charged to seller (including GRT currently 4.60444%)
    - “IM” trades are allowed between FRPS<>FRPS and FRPS<> ECPS/SSO
    - All reallocation period trades with Choice pools must be entered as “IM” type trades
  - “PP” Pool Transfers: 3.5 cents per cg Mcf East side, 3 cents per cg Mcf West side (including GRT)
  - Allocations to customers from your traditional pools: 7 cents per cg Mcf east side pools, 3 cents per cg Mcf west side pools (including GRT)
  - “IM” and “PP” trade fees are waived for trades between same-BA FRPS and ECPS pools (same pooler).
- Balancing points used for trades:
  - BP001 – East Side Traditional pools to Traditional Pools (FRPS <> FRPS)
  - BP002 – East Side Choice to Choice pool trades (ECPS <> ECPS <> SSO etc)
  - BP003 -- West Side Traditional pools to Traditional Pools (FRPS-W <> FRPS-W)
  - BP004 – LPPS to LPPS
  - BP005 – West Side Choice to Choice pool trades (ECPS-W <> ECPS-W etc)
  - BP006 – FRPS <> ECPS or ECPS <> FRPS imbalance trades during reallocation to clear imbalances.

Nominations

- QPTM Nomination Template
- Import Nomination file
- Miscellaneous

ENBRIDGE

Presented by: Sherry Skinner

QPTM Nomination Template - File Upload Nominations

- How To Populate the Template

Enbridge Gas Ohio Informational Postings (dominionenergy.com)

Enbridge Gas Ohio Informational Postings

- Contact Us
- EBB Login
- EBB Interactive Training Module
- System Map
- Tariff
- Info Posting - Critical
- Info Posting - Maintenance
- Info Posting - Other
- Gathering - Producer Services
- Transportation Services Information
  - Agreements
  - Calendars
  - Energy Choice Information
  - Forms
  - Guidelines and Procedures

Transportation Services Information/Forms

Posted Date	File	Description
10/31/2023	BusPart User Request Form.docx	BusPart User Request Form
8/3/2022	How to Populate QPTM Nom Template and Bulk-Upload Noms_8.1.docx	How to Populate QPTM Nom Template
8/3/2022	How to Download Existing Noms and Re-import to Reuse Nom Paths_8.1.docx	How to Download Existing Noms and Re-import
8/3/2022	NomUpload_SvcReqName_MMYYYY.xlsx	Example QPTM nom template

Upload the Nomination Template

- Begin at QPTM Nomination Submission Screen
- Update Gas Day and End Gas Day to match template
- Update Service Requestor if needed
- Retrieve
- Go to the tertiary menu (3 vertical dots in upper right of window)
  - Choose "Import Nominations"
  - Popup opens with prompt to "Select File"
  - After file selection, click on "Import"
- Nom Submission screen will populate with imported noms
- "Validate" then correct errors before "Submit"

Miscellaneous

- Local Production Issues
  - Must balance to zero every day
  - Run the Pool Bal All report
  - Watch for rounding on last day of the month
- For assistance with Nomination Errors
  - Send full screenshot of "PT Nominations" Tab
  - Send full screenshot of "Errors" Tab
  - Be sure to include key columns: Dates, TT, Rec Loc, UpK, Del Loc, DnK, Qty
- Please Use Group Email to Communicate: EOG_Trans_Serv@dominionenergy.com
- Enbridge Gas Ohio Informational Postings site is found at: https://dominionenergyinfopostoh.dominionenergy.com/

ECPS Daily Balancing Reports

- Daily Balancing of ECPS/SSO pools – focus on Del QTY !
- Ordering Pool Trade Gas
- Reports to verify daily balance and pool trades

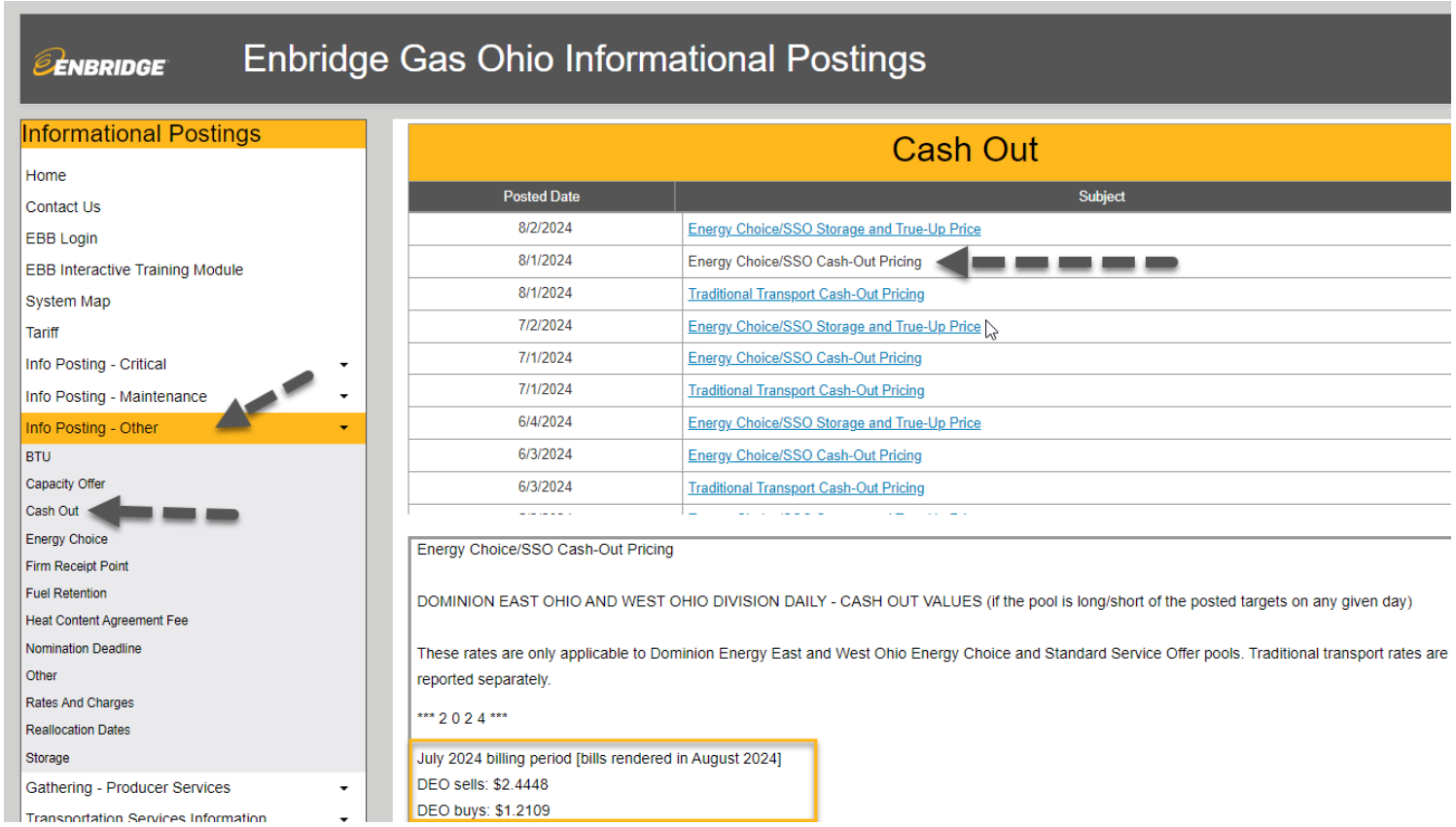
ENBRIDGE

Presented by: L J Lohrey

ECPS/SSO Pools need to balance daily

- Gas into pool
  - > *Pipeline, LPPS/Ohio Production, Pool Trade purchases, Storage withdrawals*
- Must equal
- Gas out of pool
  - > *Daily Target ("CAxxx"), Pool Trade sales, Storage Injections*
- Each day, or a cash out will be assessed.

Enbridge Gas Ohio Informational Postings (dominionenergy.com)

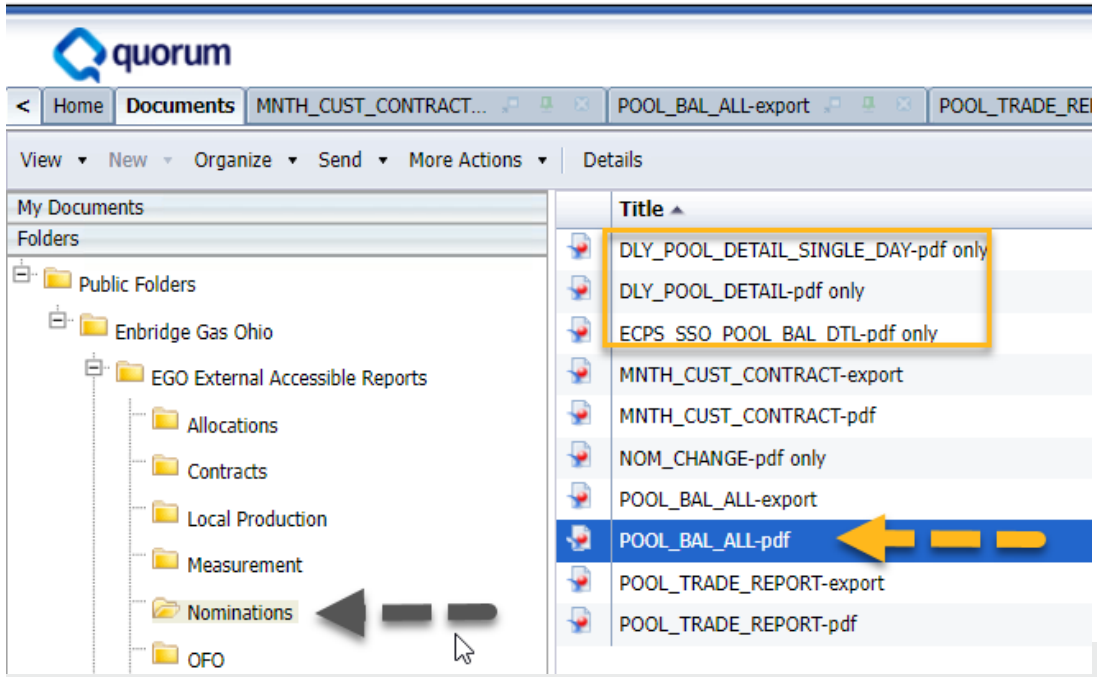


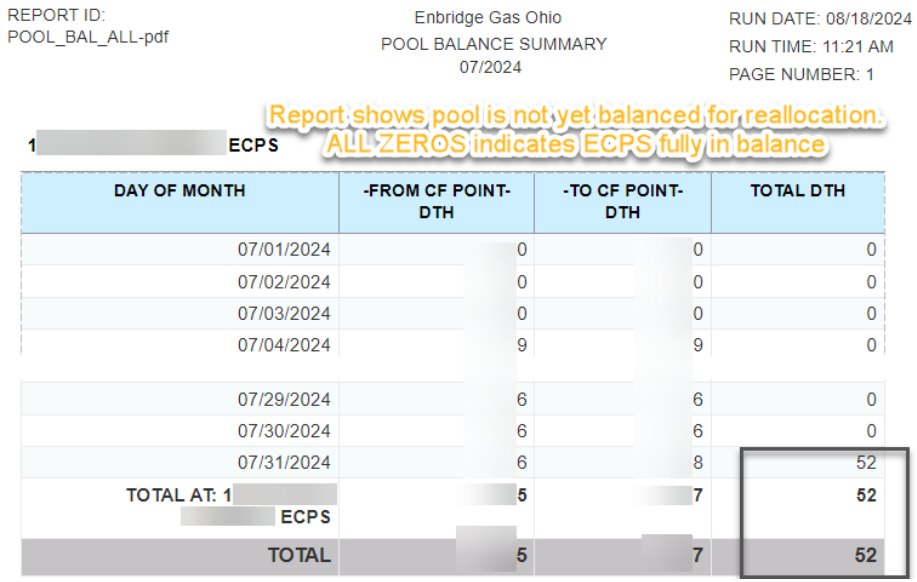
After finalizing your QPTM nom entries for tomorrow's activity – run the Pool Bal All report to verify your math, and check for rounding issues !

Pool Bal All report

- Run the pool bal all report: (orange dashed arrow)
- Typically – run for ECPS, SSO and LPPS.
- Note: FRPS and FRPS-W pools don't need balancing on a daily basis.

- If Total DTH isn't zero, the day is not balanced ! (grey box)
- Run the detailed reports to figure out why (orange box)
- Make changes (consider adjusting storage injection/withdrawal.)





DAY OF MONTH	-FROM CF POINT-DTH	-TO CF POINT-DTH	TOTAL DTH
07/01/2024	0	0	0
07/02/2024	0	0	0
07/03/2024	0	0	0
07/04/2024	9	9	0
07/29/2024	6	6	0
07/30/2024	6	6	0
07/31/2024	6	8	52
TOTAL AT: 1 ECPS	5	7	52
TOTAL	5	7	52

Noms are expected for Tomorrow by 2 pm, and on Fridays, noms for Sat, Sun Monday are expected by 2 pm. **Run these reports effective the latest day for which nom entries are expected.** (Holidays and last day/first day of months may be expected early too.)

ECPS Pool Trades – Confirm DT unit (cg / bt)

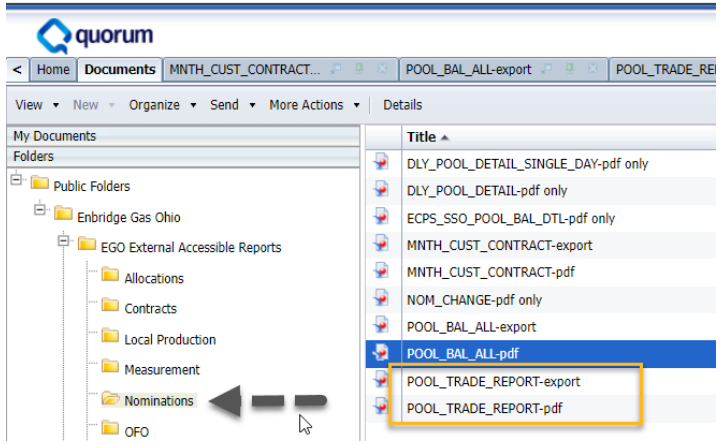
- ECPS pools are balanced on Del Qty column in QPTM, not Rec Qty.
  - > Calculate your pool needs in burner tip Dt (use the QPTM Del Qty volumes.)
  - > Order pool trade gas in city gate Dt (cg dt is the most common unit, but always verify!)
  - > Enter the ECPS trade in burner tip Dt.

  - > Fuel changes annually starting in April
  - > For 4/2024 – 3/2025, fuel = 4.3 %, so, if you need 100 bt dt to balance your ECPS pool, you likely need to order 104 cg dt: *100 bt dt / (1-.0043) = 100 bt dt / 0.957 = 104 cg dt*

Tip: Let QPTM do the math. Update your pipe numbers, enter your ideal storage injection/withdrawal, hit submit. Run the Pool_Bal_All report to see your imbalance, *then create a dummy pipeline nom, enter the imbalance in the Del QTY column and QPTM will fill the Rec QTY column with the DT cg you could order for a pool trade*. (Jot down the two numbers, then hit retrieve to undo the dummy pipe entry.)

Pool Trade Report

- Use this report to see both sides of a pool trade.
- Match up each line in the top section to the matching line in the bottom section. If the trade values match, all is well.



REPORT ID:
POOL_TRADE_REPORT-pdf

Enbridge Gas Ohio
POOL TRADE REPORT
FROM 07/01/2024 TO 07/01/2024

RUN DATE: 08/16/2024
RUN TIME: 12:38 PM
PAGE NUMBER: 1

CUSTOMER	NOM CONTRACT	DOWNSTREAM CONTRACT	UPSTREAM CONTRACT	TR TY	PRODUCTION DATE	RECEIPT METER	DELIVERY METER	POOL FROM VOLUME DTH	POOL TO VOLUME DTH
	1	1		PP	07/01/2024	1	BP002 BALANCING POINT-ECPS/SSO	-943	0
							TOTAL FOR UP K / DOWN K 1	-943	0
							TOTAL FOR	-943	0
	1		1	01	07/01/2024	BP002 BALANCING POINT-ECPS/SSO	1	0	943
							TOTAL FOR UP K / DOWN K	0	943
							TOTAL FOR	0	943
							TOTAL FOR PERIOD	-943	943

During reallocation, trades between FRPS and ECPS use BP006 balancing point; FRPS volume should always be higher. FRPS trades are in cg Dt, ECPS trades are in bt Dt.

Forecasting
Daily Target Requirements

- CMAS/MVR/AGG
  - Energy Choice
  - Monthly Retail Rate (MRR)
  - Government Aggregation (Agg)
- Standard Choice Offer (SCO)
- Standard Service Offer (SSO)

ENBRIDGE

Presented by: Laura Whitkofski

Forecasting formulas

- Base Load Factors and
- Heating Degree Day Factors
- Organized by
  - > Pool Type (Choice/MRR, Agg, SCO, SSO)
  - > Division (East Ohio/West Ohio),
  - > Customer type (Residential/Non-Residential)
  - > Month (January is the peak)

Supplier Name - factors for Enbridge Gas Ohio

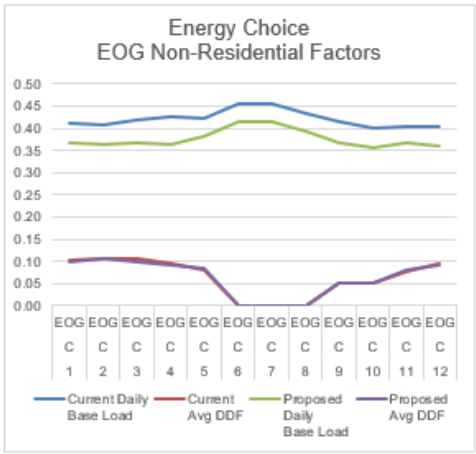
Factor Review 5.14.24 (Note January is peak month) Sort by Pool ID; Pool Desc, Division, Acct Type, Month

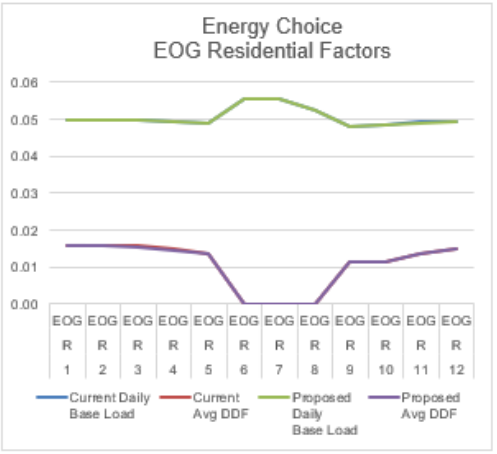
Contract #	Pool Desc	Month	Acct Type (C&I or Res)	Division	Current Daily Base Load	Current Avg DDF	Prepared Daily Base Load	Prepared Avg DDF	Customer Count
EOGK	CMAS/MVR/AGG	1	C	EOG	0.4096	0.1022	0.3670	0.1004	
EOGK	CMAS/MVR/AGG	2	C	EOG	0.4079	0.1057	0.3641	0.1060	
EOGK	CMAS/MVR/AGG	3	C	EOG	0.4201	0.1045	0.3660	0.0981	
EOGK	CMAS/MVR/AGG	4	C	EOG	0.4271	0.0957	0.3624	0.0927	
EOGK	CMAS/MVR/AGG	5	C	EOG	0.4228	0.0815	0.3810	0.0829	985
EOGK	CMAS/MVR/AGG	6	C	EOG	0.4539	0.0000	0.4143	0.0000	
EOGK	CMAS/MVR/AGG	7	C	EOG	0.4539	0.0000	0.4143	0.0000	
EOGK	CMAS/MVR/AGG	8	C	EOG	0.4314	0.0000	0.3927	0.0000	
EOGK	CMAS/MVR/AGG	9	C	EOG	0.4145	0.0526	0.3684	0.0511	
EOGK	CMAS/MVR/AGG	10	C	EOG	0.4013	0.0526	0.3576	0.0511	
EOGK	CMAS/MVR/AGG	11	C	EOG	0.4019	0.0771	0.3664	0.0794	
EOGK	CMAS/MVR/AGG	12	C	EOG	0.4046	0.0939	0.3602	0.0926	
EOGK	CMAS/MVR/AGG	1	R	EOG	0.0497	0.0158	0.0496	0.0158	
EOGK	CMAS/MVR/AGG	2	R	EOG	0.0497	0.0159	0.0497	0.0159	
EOGK	CMAS/MVR/AGG	3	R	EOG	0.0499	0.0159	0.0496	0.0153	
EOGK	CMAS/MVR/AGG	4	R	EOG	0.0494	0.0150	0.0491	0.0144	
EOGK	CMAS/MVR/AGG	5	R	EOG	0.0490	0.0135	0.0489	0.0134	7435
EOGK	CMAS/MVR/AGG	6	R	EOG	0.0557	0.0000	0.0556	0.0000	
EOGK	CMAS/MVR/AGG	7	R	EOG	0.0557	0.0000	0.0556	0.0000	
EOGK	CMAS/MVR/AGG	8	R	EOG	0.0525	0.0000	0.0524	0.0000	
EOGK	CMAS/MVR/AGG	9	R	EOG	0.0480	0.0113	0.0479	0.0113	
EOGK	CMAS/MVR/AGG	10	R	EOG	0.0484	0.0113	0.0483	0.0113	
EOGK	CMAS/MVR/AGG	11	R	EOG	0.0491	0.0136	0.0490	0.0136	
EOGK	CMAS/MVR/AGG	12	R	EOG	0.0494	0.0151	0.0493	0.0151	
EOGK	CMAS/MVR/AGG	1	C	WOG	0.1273	0.0475	0.4566	0.0505	
EOGK	CMAS/MVR/AGG	2	C	WOG	0.1243	0.0477	0.4317	0.0510	
EOGK	CMAS/MVR/AGG	3	C	WOG	0.1244	0.0451	0.4071	0.0477	
EOGK	CMAS/MVR/AGG	4	C	WOG	0.1231	0.0399	0.4062	0.0467	
EOGK	CMAS/MVR/AGG	5	C	WOG	0.1197	0.0341	0.3423	0.0476	126
EOGK	CMAS/MVR/AGG	6	C	WOG	0.1575	0.0000	0.5185	0.0000	
EOGK	CMAS/MVR/AGG	7	C	WOG	0.1991	0.0000	0.5732	0.0000	
EOGK	CMAS/MVR/AGG	8	C	WOG	0.1419	0.0000	0.5074	0.0000	
EOGK	CMAS/MVR/AGG	9	C	WOG	0.0488	0.1018	0.3542	0.1327	
EOGK	CMAS/MVR/AGG	10	C	WOG	0.1451	0.1018	0.4513	0.1327	
EOGK	CMAS/MVR/AGG	11	C	WOG	0.1396	0.0679	0.4175	0.0853	
EOGK	CMAS/MVR/AGG	12	C	WOG	0.1456	0.0435	0.4638	0.0480	
EOGK	CMAS/MVR/AGG	1	R	WOG	0.0340	0.0126	0.0330	0.0126	
EOGK	CMAS/MVR/AGG	2	R	WOG	0.0339	0.0127	0.0331	0.0126	
EOGK	CMAS/MVR/AGG	3	R	WOG	0.0335	0.0125	0.0328	0.0122	
EOGK	CMAS/MVR/AGG	4	R	WOG	0.0337	0.0120	0.0324	0.0118	
EOGK	CMAS/MVR/AGG	5	R	WOG	0.0333	0.0107	0.0326	0.0106	434
EOGK	CMAS/MVR/AGG	6	R	WOG	0.0386	0.0000	0.0380	0.0000	
EOGK	CMAS/MVR/AGG	7	R	WOG	0.0386	0.0000	0.0380	0.0000	
EOGK	CMAS/MVR/AGG	8	R	WOG	0.0376	0.0000	0.0363	0.0000	
EOGK	CMAS/MVR/AGG	9	R	WOG	0.0297	0.0072	0.0290	0.0071	
EOGK	CMAS/MVR/AGG	10	R	WOG	0.0338	0.0072	0.0327	0.0071	
EOGK	CMAS/MVR/AGG	11	R	WOG	0.0340	0.0101	0.0331	0.0100	
EOGK	CMAS/MVR/AGG	12	R	WOG	0.0345	0.0119	0.0335	0.0118	

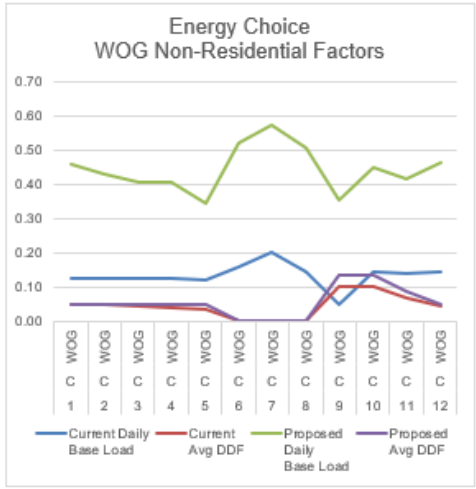
For a typical Energy Choice supplier, we have 96 data points to review for each pool

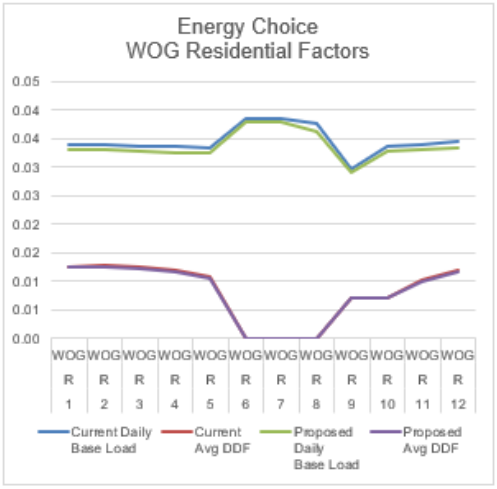
Forecasting Formula

- Why are factors important?
- What's our review frequency?
- When are we likely to make changes?
- Is there a pattern?
- Watch for new customers in your monthly files:
  - 13-digit customers found in "M" file
  - 5-digit customers found in SBS Customer List









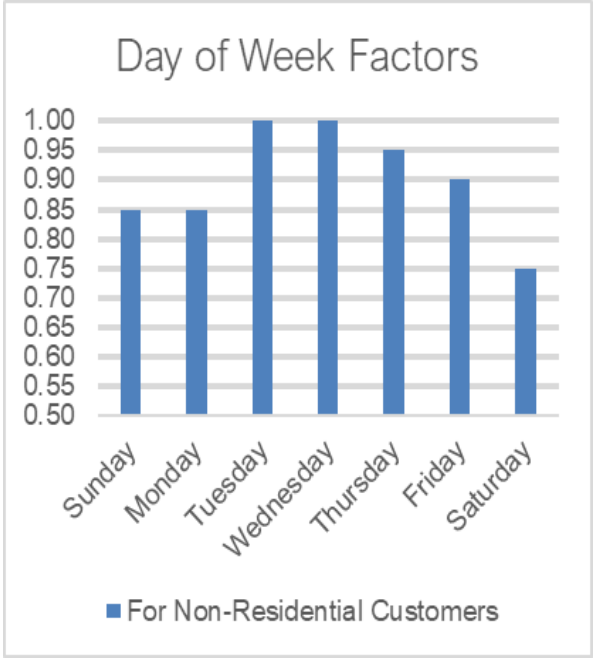
We welcome a collaborative process when updating Energy Choice factors

Customer Counts

- Weekly counts span Thursday through Wednesday
- Quantity is based on effective customer counts on Sunday evening
- If a supplier pool has significant swings in the customer make-up we can adjust factors proactively to respond to expected changes in projected usage

Forecasting Formula

- Daily Target Requirement Formula =
  # Res Customers * (Base Load + (HDD * HDDf)) * BTU
  # NR Customers * (Base Load + (HDD * HDDf)) * BTU * DOW
  - Customer Count
  - Base Load Factor
  - Heating Degree Days
  - Heating Degree Day Factor
  - Day of Week Factor (applied only to Non-Res customers)
  - BTU Factor
- For multiple pools (Choice/MMR/Aggregation, SCO) those requirements are combined into the EOG and/or WOG pool
- SSO requirements have their own pools



Each portion of the daily target requirement relies on a minimum of five inputs

Storage Rules – ECPS/SSO

- Capacity Assignments
- Ratchets – monthly capacity assignments and inventory levels
- Thresholds (MDIQ/MDWQ mid-month changes)
- Storage inventory must be zero on March 31st.

EGO is preparing an ECPS STORAGE FAQ with instructions/tips including “How to enter a storage nom in QPTM”.

Today is an overview of the key elements regarding planning injections and withdrawals.

ENBRIDGE

Presented by: L J Lohrey

Storage Capacity Assignments - ECPS

- Each month, storage capacity is pro-rated across all choice suppliers based upon each choice supplier's customers' profiles, as compared to all the other Choice pools on the system.
- If your customer load profile as a percentage of all-system choice customers is increasing, your next month capacity assignment is likely to increase.
- EGO sends out capacity emails around gas day 15 before the month starts. For example, August capacity emails go out around July 15th.

EXAMPLE EMAIL:

August 2024 - ECPS/SCO/SSO Asset Assignment:

Section 2 - On-System Storage Assignment		
January Design Day Usage (Mcf at Burner Tip)	107	
Portion Assigned as On-System Storage	34.1%	
On-System Storage Demand (Mcf)	36	
Reduction Attributable to Inventory-Based Ratchet	**0.0%**	
Conversion for On-System Storage Capacity (Mcf)	51.9	
On-System Storage Capacity (Mcf)	1,868	Convert to DT x by BTU Factor

Ratchets – inventory levels

- EGO's tariff specifies storage inventory goals for each month year.
  - > Here's an example ratchet message: Posted: 07/01/2024

    Storage Ratchet
    As a reminder, all suppliers and customers with Firm Storage Service, Energy Choice Storage or Standard Service Offer Storage must nominate injection volumes in such a manner as to attain minimum on-system storage inventory levels, expressed as a percentage of supplier's capacity, over the summer period.

    The ending July 31, 2024 storage inventory must be within 51-57% of the August 1, 2024 assigned storage capacity.
    The August 2024 asset allocation sheets will be emailed to all suppliers around July 15, 2024.
  - > Notice the month shift !
- Therefore, July 31 inventory levels are established on July 15th when August capacity sheets are sent.

Ending Inventory as of	Capacity basis	Should be within these percentages of:
Injection Season		
Apr 30	May 1st	4% to 13% of May's capacity
May 31	Jun 1st	20% to 30% of June's capacity
Jun30	Jul 1st	34% to 44% of July's capacity
Jul 31	Aug 1st	51% to 57% of Aug's capacity
Aug 31	Sep 1st	65% to 71% of Sept's capacity
Sep 30	Oct 1st	79% to 85% of Oct's capacity
Oct 31	Nov 1st	95% to 100% of Nov's capacity
Withdrawal Season		
Nov 30	Dec 1st	92% - 95% of Dec's capacity
Dec 31	Jan 1st	55% - 65% of Jan's capacity
Jan 31	Feb 1st	30% - 35% of Feb's capacity
Feb 28	Mar 1st	12% - 17% of March's capacity
Mar 31	Mar 31st	must be zero

Tip: Keep track of your ECPS pool's customer adds and drops to provide an indication for whether next month's capacity is likely to increase or decrease.

ECPS/SSO Ratchets

- The ending inventory level range for a month is a percentage of the next month's storage capacity.

- The ending inventory level range for July is a percentage of August's storage capacity. Specifically, 51 to 57 % of August's capacity.

Tip: Keep track of your ECPS pool's customer adds and drops to provide an indication for whether next month's capacity is likely to increase or decrease.

Ratchets – Quickly calculate end of current month Inventory goal from next month's capacity email.

Section 2 - On-System Storage Assignment		
January Design Day Usage (Mcf at Burner Tip)	117	
Portion Assigned as On-System Storage	34.1%	
On-System Storage Demand (Mcf)	40	
Reduction Attributable to Inventory-Based Ratchet	**0.0%**	
Conversion for On-System Storage Capacity (Mcf)	51.9	
On-System Storage Capacity (Mcf)	2,076	x btu factor = bt DT
		x 1.061 = 2203 bt dt

Ending Inventory as of	Capacity basis	Should be within these %s of:
Jul 31	Aug 1st	51% to 57% of Aug's capacity

- When the pool's next-month capacity number arrives via email – use that month's ratchet percents to calculate the pool's current month inventory goal. **For example:**
- On July 15th, August 1st capacity is assigned as 2076 **bt Mcf** or 2203 **bt Dt**

  The 2024/2025 season BTU rate is 1.061.

  *2076 bt Mcf * 1.067 = 2203 bt Dt.*
- The ratchets for July 31 inventory, compared to August Capacity are 51 to 57%

  2076 bt mcf x (.51 or .57) = 1059 bt Mcf to 1183 by Mcf

  2203 bt dt x (.51 or .57) = 1124 by Dt to 1256 bt Dt
- The ratchet for end of July inventory is a range of 1124 bt Dt to 1256 Dt based on 51 to 57% of August's capacity.

Ratchets – Storage Imbalances Happen.

- Poolers will sometimes miss their storage ratchet. It happens.
- A supplier that is rapidly growing or declining may see large capacity changes from month to month.
  - This is expected.
  - Even with great planning, storage inventory may end up long or short of the ratchet range especially when capacity changes are large.
  - If you are over or under ratchet, that volume is called your storage imbalance.

Ratchets – Storage Imbalance Resolutions

- Resolution: The default plan is for EGO to buy or sell gas to resolve the storage imbalance:
- EGO will buy or sell gas at the “Energy Choice/SSO Storage and True-Up Price” – a rate designed to be market-based. This will “Catch the pool up”.
- Look for an email from EGO, arriving around the 6th of the month, confirming your position and explaining options.
- An inventory adjustment will be created effective the first day of the capacity month (July’s inventory “catch up” will be posted August 1st.)
- During reallocation you may choose to apply storage against true up shorts, or transfer true up longs into storage, as explained earlier in the presentation.

Ratchets – Storage Imbalance Planning

- Here are some current month actions available, to plan for and react to the capacity email.
  - > Keep track of your pool's customer adds and drops. You could re-calibrate your monthly storage plan early.
  - > In the summer, EGO will typically allow over injections, when requested in advance, for Tuesday – Friday deliveries. If you are a growing pool, you can request over-injections if you anticipate growing capacity.
    - – You may never over-fill your current month capacity, however.
    - – And please note: If July capacity is 10,000, receiving notice that August capacity is 15,000 doesn't change July's capacity nor July's MDIQ.

Storage Thresholds (MDIQ/MDWQ)

- The max daily injection quantity (MDIQ) or max daily withdrawal quantity (MDWQ) changes based upon ending inventory level for the day
- At least weekly, run the QQM -> Storage -> ECPS_SSO_STORAGE_SUMM-pdf only report, then project future storage injections/withdrawals so that you know when your MDIQ/MDWQ will be changing

CONTRACT NUMBER : 12003

RATE SCHEDULE : ECPS-S

CUSTOMER NAME : ACME GAS

CAPACITY: 2,000

DEMAND: 39

INJECTION RATCHETS

START DATE	END DATE	WHEN INVENTORY <=	WHEN INVENTORY >	INJECTION QUANITITY
1-Apr	31-Oct	2,000	1,000	9
1-Apr	31-Oct	1,000	0	11

WITHDRAWAL RATCHETS

START DATE	END DATE	WHEN INVENTORY <=	WHEN INVENTORY >	WITHDRAWAL QUANTITY
1-Nov	31-Mar	2,000	1,000	39
1-Nov	31-Mar	1,000	600	29
1-Nov	31-Mar	600	0	23

TIP – Create a storage projection spreadsheet: 1) run report for full month. 2) export as TXT file, open downloaded file, copy paste into Excel. 3) Add formulas to calculate a projected balance column next to the report's 'balance' column. 4) Enter future injection or withdrawal volumes.

Thresholds – Injection Season – April - October

- "INJECTION RATCHETS" on the storage report are better thought of as "THRESHOLDS"
- On the day the ending inventory balance crosses the threshold, the MDIQ drops
- Always plan ahead for MDIQ drops, to avoid cashouts.

INJECTION SEASON			(July)		
CONTRACT NUMBER : 12003					
RATE SCHEDULE : ECPS-S					
CUSTOMER NAME : ACME GAS					
CAPACITY:	2,000		*STORAGE MAX INVENTORY LEVEL as assigned for the month*		
DEMAND:	39		*MDWQ (Max daily withdrawal level when inventory is at lowest level)*		
INJECTION RATCHETS					
START DATE	END DATE	WHEN INVENTORY <=	WHEN INVENTORY >	INJECTION QUANITITY	*THRESHOLDS: **Injection** limits based upon inventory level (MDIQ)*
1-Apr	31-Oct	2,000	1,000	9	= Capacity / 214
1-Apr	31-Oct	1,000	0	11	= Capacity / 180
WITHDRAWAL RATCHETS					
START DATE	END DATE	WHEN INVENTORY <=	WHEN INVENTORY >	WITHDRAWAL QUANTITY	*THRESHOLDS: **Withdrawal** limits based upon inventory level (MDWQ)*
1-Nov	31-Mar	2,000	1,000	39	= Demand
1-Nov	31-Mar	1,000	600	29	= Demand * 0.75
1-Nov	31-Mar	600	0	23	= Demand * 0.60
DAY	INJECTION	WITHDRAWAL	ADJUSTMENT	BALANCE	
	BEGINNING BALANCE			900	*< Inventory at start of month*
1	11	0	0	911	*< end of GD 1 inventory level*
2	11	0	0	922	
3	11	0	0	933	
4	11	0	0	944	
5	11	0	0	955	
6	11	0	0	966	
7	11	0	0	977	
8	11	0	0	988	
9	11	0	0	999	
10	9	0	0	1,008	*< inventory crosses threshold, drop*
11	9	0	0	1,017	*to lower MDIQ*
12	0	0	0	1,017	
13	0	0	0	1,017	
31	0	0	0	1,017	
TOTALS	117	0	0	1,134	
	NEW STORAGE BALANCE			1,134	

Thresholds – Withdrawal Season – November - March

- "Withdrawal RATCHETS" on the storage report are better thought of as "THRESHOLDS"
- On the day the ending inventory balance crosses the threshold, the MDWQ drops
- Always plan ahead for MDWQ drop to avoid cashouts.

WITHDRAWAL SEASON			(January)		
CONTRACT NUMBER : 12003			TIP:		
			run for full month		
RATE SCHEDULE : ECPS-S			export as TXT file, open downloaded file, copy paste into Excel.		
			Add formulas to create a "projected balance' column.		
CUSTOMER NAME : ACME GAS			to plan ahead.		
CAPACITY:	2,000				
DEMAND:	39				
INJECTION RATCHETS					
START DATE	END DATE	WHEN INVENTORY <=	WHEN INVENTORY >	INJECTION QUANITITY	*THRESHOLDS: **Injection** limits based upon inventory level (MDIQ)*
1-Apr	31-Oct	2,000	1,000	9	= Capacity / 214
1-Apr	31-Oct	1,000	0	11	= Capacity / 180
WITHDRAWAL RATCHETS					
START DATE	END DATE	WHEN INVENTORY <=	WHEN INVENTORY >	WITHDRAWAL QUANTITY	*THRESHOLDS: **Withdrawal** limits based upon inventory level (MDWQ)*
1-Nov	31-Mar	2,000	1,000	39	= Demand
1-Nov	31-Mar	1,000	600	29	= Demand * 0.75
1-Nov	31-Mar	600	0	23	= Demand * 0.60

DAY	INJECTION	WITHDRAWAL	ADJUSTMENT	BALANCE	
	BEGINNING BALANCE			1,382	
1	0	39	0	1,343	
2	0	39	0	1,304	
3	0	39	0	1,265	
4	0	39	0	1,226	
5	0	39	0	1,187	
6	0	39	0	1,148	
7	0	39	0	1,109	
8	0	39	0	1,070	
9	0	39	0	1,031	
10	0	30	0	1,001	
11	0	29	0	972	inventory crosses threshold, drop
12	0	29	0	943	to lower MDWQ
13	0	29	0	914	
31	0	23	0	440	
TOTALS	0	942	0	440	
	NEW STORAGE BALANCE			440	

Storage Thresholds (MDIQ/MDWQ)

- It is best to enter zero for your monthly storage nom and then update each day's storage nomination after consideration of the resulting inventory level and how it may impact your MDIQ/MDWQ
- If a storage nomination exceeds the allowable MDIQ/MDWQ, it causes a validation error in EGO's target upload process, which delays the posting of targets for all choice pools until EGO resolves the issue.

Ratchets vs Thresholds - Warning

- Screen shot of bottom of storage report: →

DAY	INJECTION	WITHDRAWAL	ADJUSTMENT	BALANCE
BEGINNING BALANCE				900
1	11	0	0	911
2	11	0	0	922
3	11	0	0	933
30	0	0	0	1,017
31	0	0	0	1,017
TOTALS	117	0	0	1,134
	NEW STORAGE BALANCE			1,134
	PCT OF CAPACITY FILLED			57%

- CRITICAL NOTE – be aware that the percentage at the bottom of a storage report is the % vs that month's capacity.
- RATCHET Levels are based upon the last day of the month's inventory vs next month's capacity.
  - > For example: the July 31st inventory is compared to August's capacity. The % shown on the storage report is based upon July capacity.
- Do not use this percentage for reviewing inventory levels as compared end of month ratchet % ranges.

March 31 ECPS/SSO Storage Inventory Must be Zero

- Non-zero inventory volumes will not be available to net against March reallocation True Up.
- Non-zero inventory volumes will be cashed out at the *daily cash out rate* and additional charges per the tariff will be assessed.

Payment Process

ENBRIDGE

Presented by: Laura Whitkofski

Payments from EGO to Energy Choice Suppliers

- Choice suppliers receive payments for:
  - > CCS 13-digit customers each **Friday,** for production period ending four weeks earlier.
  - > SBS 5-digit customers around the **5th** business day of the month, for production period ending approximately five weeks earlier.
- SSO suppliers receive payments around the **15th** of the month, for production period ending approximately two weeks earlier.
- True-up payments arrive two weeks after the final Cashout Long Report. Storage payments arrive later since they belong to the next month.
- For payments that don't match expectations, look for line-item details from SSO payments that may have been subtracted from true-up payments.

Send details of unexpected payment amounts to Gas_Energy_Choice@dominionenergy.com

Payments from Suppliers to EGO

- Set up accounts to receive online invoices through Manage Your Account (MYA)
- Online access to MYA requires that the zip code on the W9 matches our system records.
- MYA found at https://www.enbridgegas.com/ohio/mya
- ACH payments will be processed by Wells Fargo
  - > CTX Corporate Trade Exchange
  - > CCD+ Cash Concentration and Disbursement Plus

Send detailed summary of payment questions to EOG_Trans_Serv@dominionenergy.com

Q&A

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Addendum

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Rounding Issues? Let QPTM do the math

- For ECPS/SSO, note how the “new gas” (Pipeline gas, LPPS allocation to ECPS) Rec Qty and Del Qty are different by the fuel factor
- Reduce rounding errors by using QPTM to do the math
- Enter as many noms as you can in the Del Qty column, and QPTM will add-in the fuel and calculate the Rec Qty for you
- You could even create a dummy pipeline nom that *you always change back to zero*, but can ***temporarily*** use as a conversion calculator

	QPTM Nom Submission Screen Simulator (volumes in DT)												
Here is an example Pipeline Nom													
	QPTM Gas Day	TOS	Svc Req Name	Svc Req K	Rec Loc	Up K	Rec Loc Name	Del Loc	Dn K	Del Loc Name	TT	Rec Qty	Del Qty
	7/15/2024	ECPS	Acme Gas	12001	ML001	200001	Eastern Gas Trans	12001		Acme Gas-ECPS	01	6270	6000
	7/15/2024	FRPS	Acme Gas	12002	ML018	899001	Texas Eastern	12002		Acme Gas-FRPS	01	6270	6270

Tip: Let QPTM do the math. Update your pipe numbers, enter your ideal storage injection/withdrawal, hit submit. Run the Pool_Bal_All report to see your imbalance, *then create a dummy pipeline nom, enter the imbalance in the Del QTY column and QPTM will fill the Rec QTY column with the cg DT you could order for a pool trade*. (Jot down the two numbers, then hit retrieve to undo the dummy pipe entry.)

End User Allocation Tips – FRTS/GTS/DTS

- FRTS customers will be automatically allocated enough FPRS pool gas to balance
- GTS customers – Please update QPTM allocations to your GPS pool customers to match your sale to each customer.
  - EGO will only use the total allocation. *You don't need to enter daily allocations* to GPS customers. Either change enough days to get to the correct total, or delete the daily noms and enter a last-day-of-month nom for the total.
- DTS customers –
  - Use the DEL QTY column if you want to enter noms in burner-tip DT.
    - (Use REC QTY to enter city-gate DT values.)
  - Consider using the magnifying glass to enter daily noms.
  - Use the down-arrow key to move to the next day

End User Allocation Tips – FRTS/GTS/DTS

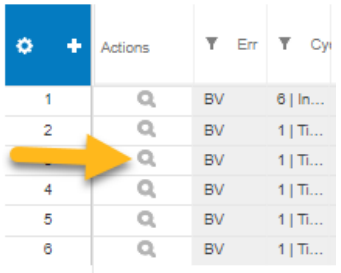
- Here's a template for allocations to End Users -

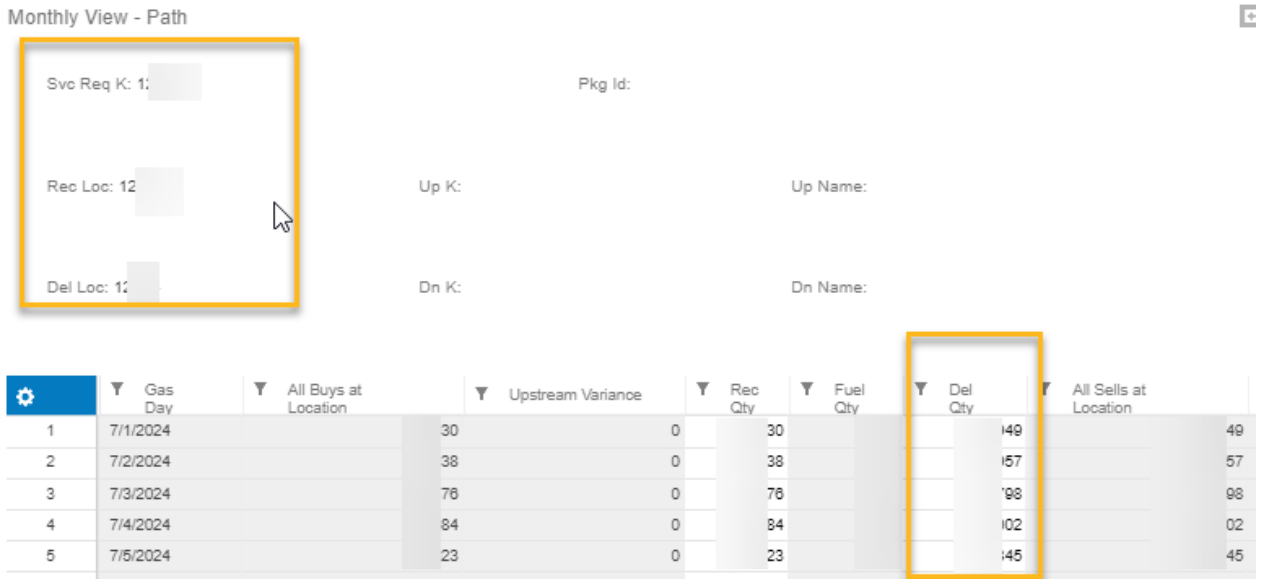
Enduser Nom - enter enduser's name at top of screen to open their page	**QPTM** Gas Day	TOS	Svc Req Name	Svc Req K	Rec Loc	Up K	Rec Loc Name	Del Loc	Dn K	Del Loc Name	TT	Rec Qty	Del Qty		
	7/15/2024	GTS	Widget Inc	30001	12005		Acme-GPS	30001		Widget Inc-GTS	01	500	479	Del Qty = QQM report usage in bt mcf *btu	
	7/15/2024	DTS	MetalHot	40001	12006		Acme-DPS	40001		MetalHot-DTS	01	1000	957	Rec QTY = QQM report usage in bt mcf *btu / fuel	
												Rec Qty = Del Qty / fuel			
													Del Qty = Rec Qty * fuel		

See next page for "magnifying glass" tips

End User Allocation Tips – Entering Noms and Rounding

- Rounding – EGO will tweak GTS and DTS nominations to avoid rounding-error cashouts
  - No one wants an end user to cash out because the conversion from QPTM dt cg REC QTY -> SBS Pool Allocation cg mcf -> customer distributed bt mcf results in a 3.2 bt mcf cash out.
- Reduce rounding by entering volumes using the DEL QTY.
- Click on a row's magnifying glass to enter a 31 day entry screen.
- *Use the down arrow to jump to the next field*





End User Allocation Tips – Cuts

- If you Plan To Under-Serve or Not-Serve one of your GTS or DTS customers,
  - please send a courtesy note to eog_trans_serv@dominionenergy.com.