



ANR Monthly Customer Update

October 2019



Safety Moment

Halloween Safety

- Walk on sidewalks, not in the street
- Look both ways before crossing and cross only at corners
- Plan your route and share it with your family/group
- Carry a flashlight
- Visit homes with the porch light on
- Accept treats at the door and never go into a stranger's house
- Be cautious
- Inspect treats before eating and don't eat candy if the package is open



Agenda

Storage Update

Jeffery Keck, Operations Planning

Operational Update

Michael Gosselin, Gas Control & Planning

Noms & Scheduling

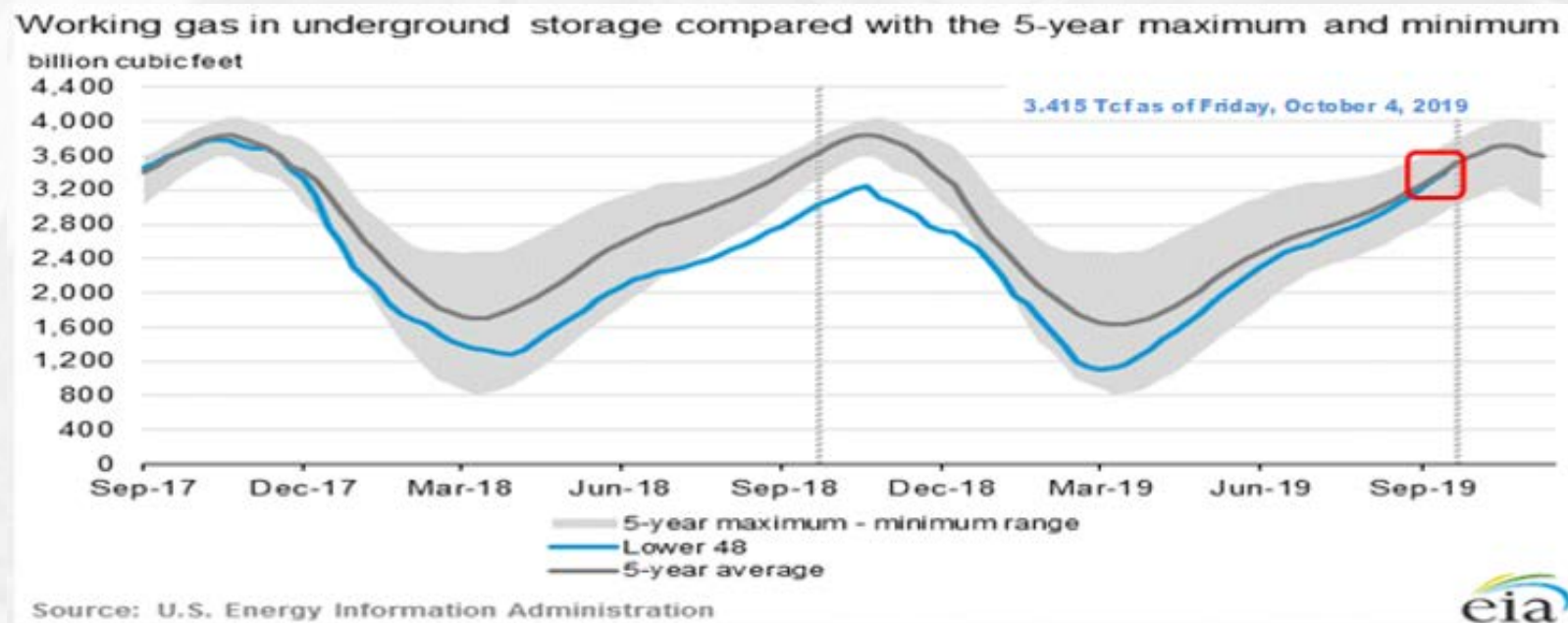
DeAnna Parsell, Noms & Scheduling





Storage Update Jeffery Keck – Operations Planning

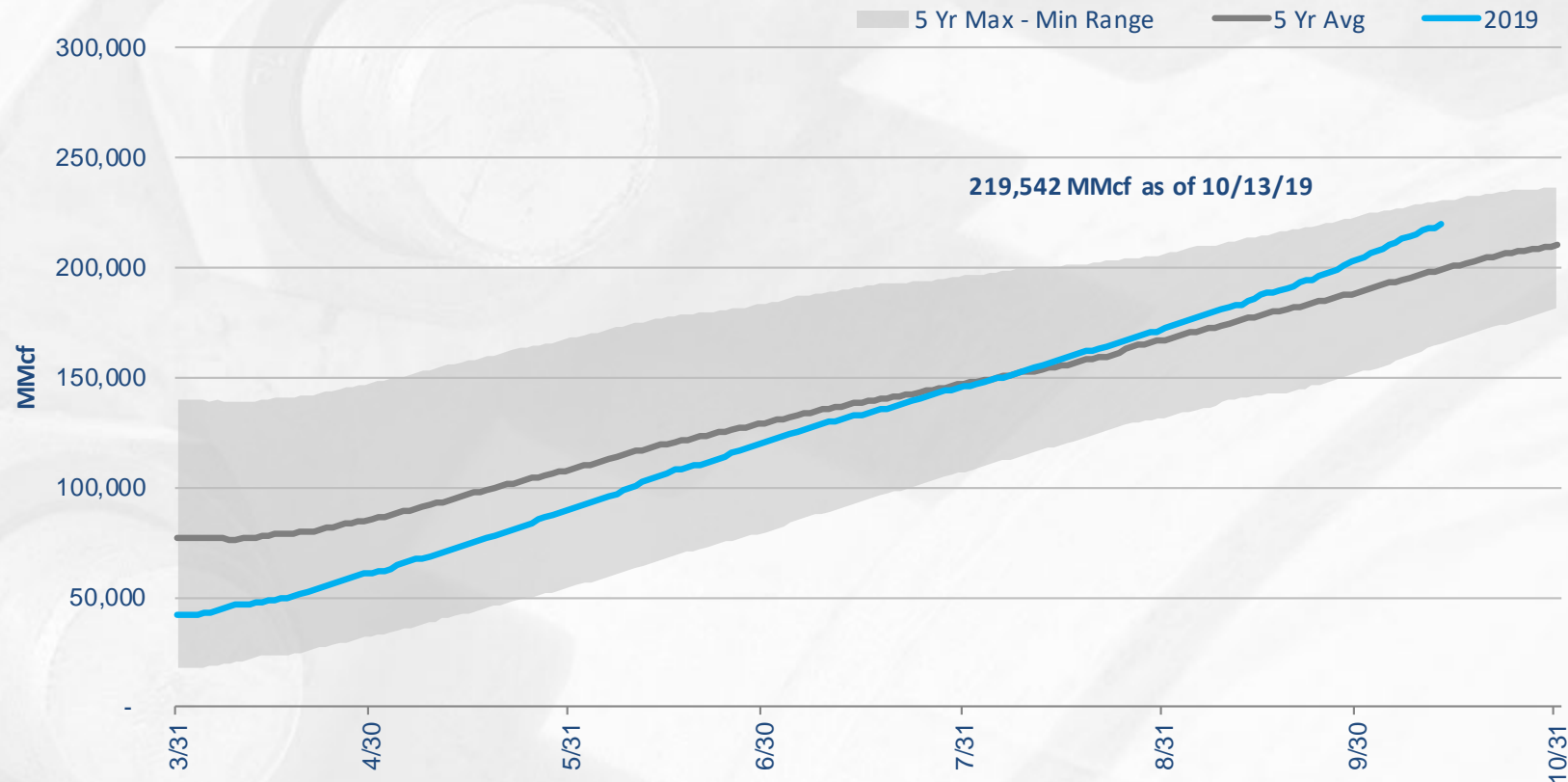
EIA Storage position: the big picture



Date	ANR's Reported EIA Storage Inventory (MMcf)
October 4, 2019	198,516
October 5, 2018	147,588
October 6, 2017	210,797

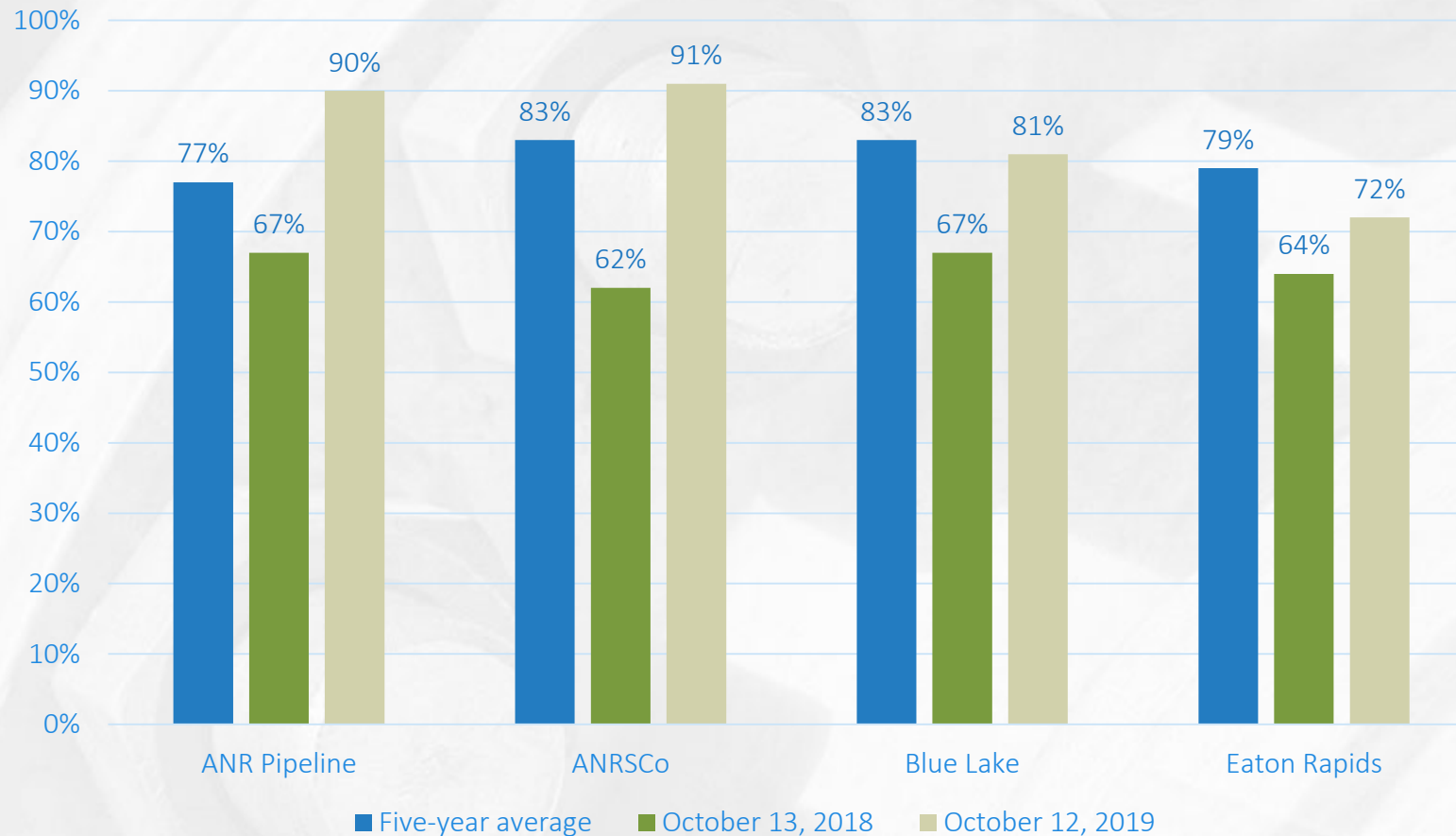
Storage position

Working gas in underground storage compared with the five-year maximum and minimum

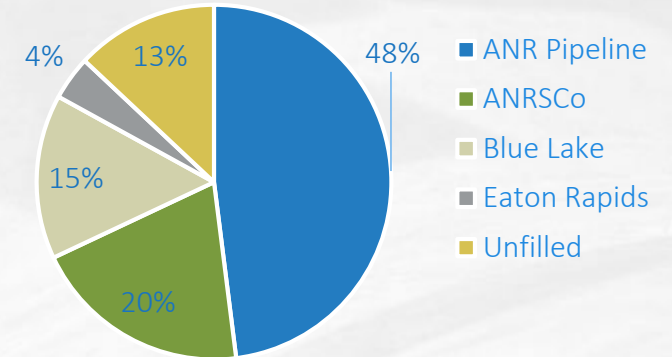


Storage inventory – 2019 vs. 2018

Physical Inventory Positions as of October 13



% of Certificated Storage Capacity



Percent of Storage Capacity	2019 Percent Full	YOY Difference (2018-19) October 13
ANR Pipeline	90%	22.7%
ANRSCO	91%	28.2%
Blue Lake	81%	13.7%
Eaton Rapids	72%	7.8%

Storage Operations

- The current volume in storage is above the five-year average level by about 20-Bcf. The content has made steady progress since the beginning of April when it was 34-Bcf below the five-year average.
- From September 13 – October 13, storage activity averaged an injection of almost 1.16-Bcf/d, which reflects a very strong injection pattern. While injections have been consistent, they have varied from about 900-MMcf/d up to about 1.5-Bcf/d.
- ANR has met all firm customer demand for storage activity for the entire summer.
- Capacity is 87 percent full with about 18 days left in the typical summer season.
- It is expected that injections will remain fairly strong, but will begin to taper off through the end of October as customer accounts fill up. Some injections are expected into November depending on weather and customer account status.

Storage Operations

- ANR has set up its injection plan to maintain as much injection capacity as possible. However, as fields are filled and released to begin the preparations for withdrawal, the injection capacity will decline. This will be shown under the operationally available capacity on the EBB. ANR believes it is positioned well to meet all firm demand for injection.
- There are currently no posted restrictions on injections other than a limit on the amount of DDS volumes that ANR will allow through the end of the injection season to ensure that it has adequate capacity for all of the firm gas expected to be injected.



Operational Update

Michael Gosselin – Gas Control & Operations Planning

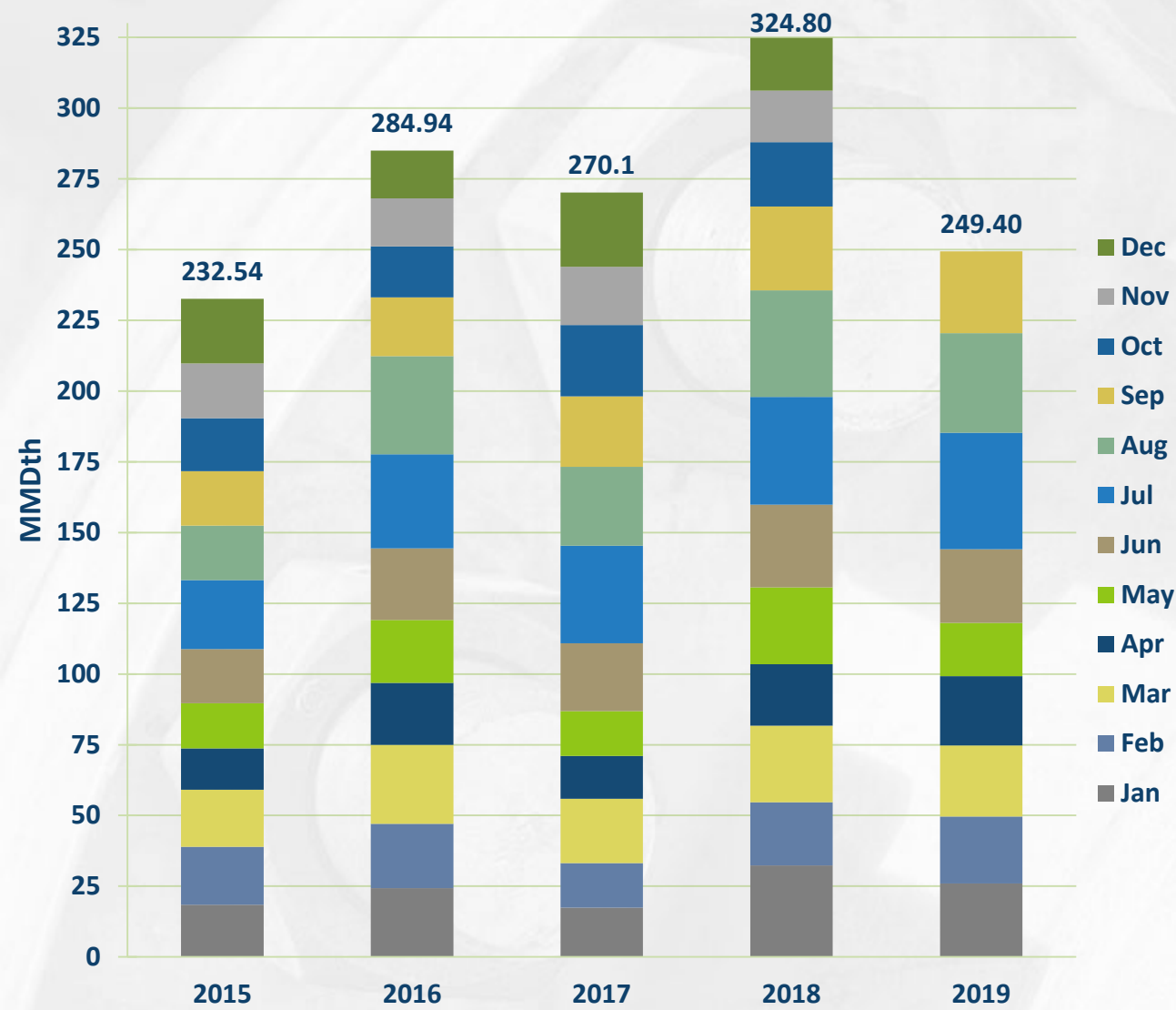
ANR August average daily system flows



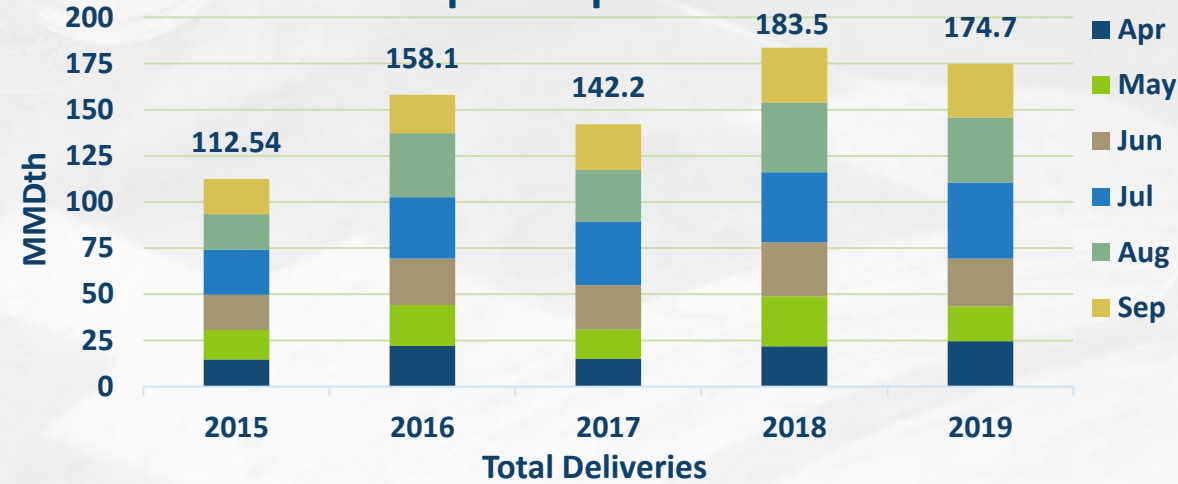
- 1 SWML Northbound flow averaged 644-MDth/d (up three percent from August), with a utilization of 99 percent.
- 2 Wisconsin deliveries averaged 44-MDth/d (down 12 percent from August).
- 3 Michigan Leg South through St. John Eastbound flowed an average volume of 820-MDth/d (flat from August, but 15 percent less than September 2018).
- 4 Woolfolk averaged a northbound flow of 791-MDth/d (up six percent from August, but 9 percent less than September 2018)
- 5 ANR Pipeline storage averaged an injection of 906-MDth/d (up 158-MDth/d from August).
- 6 Eunice Total averaged 95 percent full (up three percent from August). Deliveries between Eunice and Patterson averaged 1,000-MDth/d (up 12 percent from August). ANR received an average of 217-MDth/d from offshore at Patterson (up 17 percent from August).
- 7 Southbound flows through Jena averaged 1,111-MDth/d (up two percent from August)
- 8 REX Shelbyville receipts averaged 619-MDth/d (down seven percent from August) and Westrick Interconnect averaged 1,345-MDth/d (up seven percent from August)
- 9 Deliveries to MichCon at Willow Run averaged 670-MDth/d (up 96-MDth/d from August, but 23 percent lower than September 2018).

ANR monthly deliveries to power plants

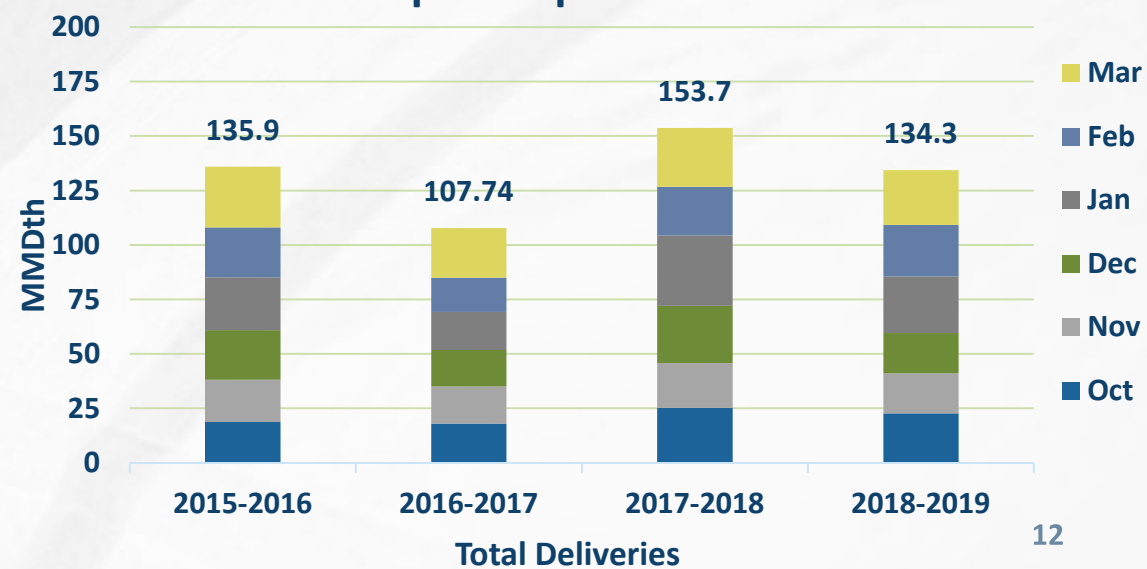
Total monthly power plant deliveries



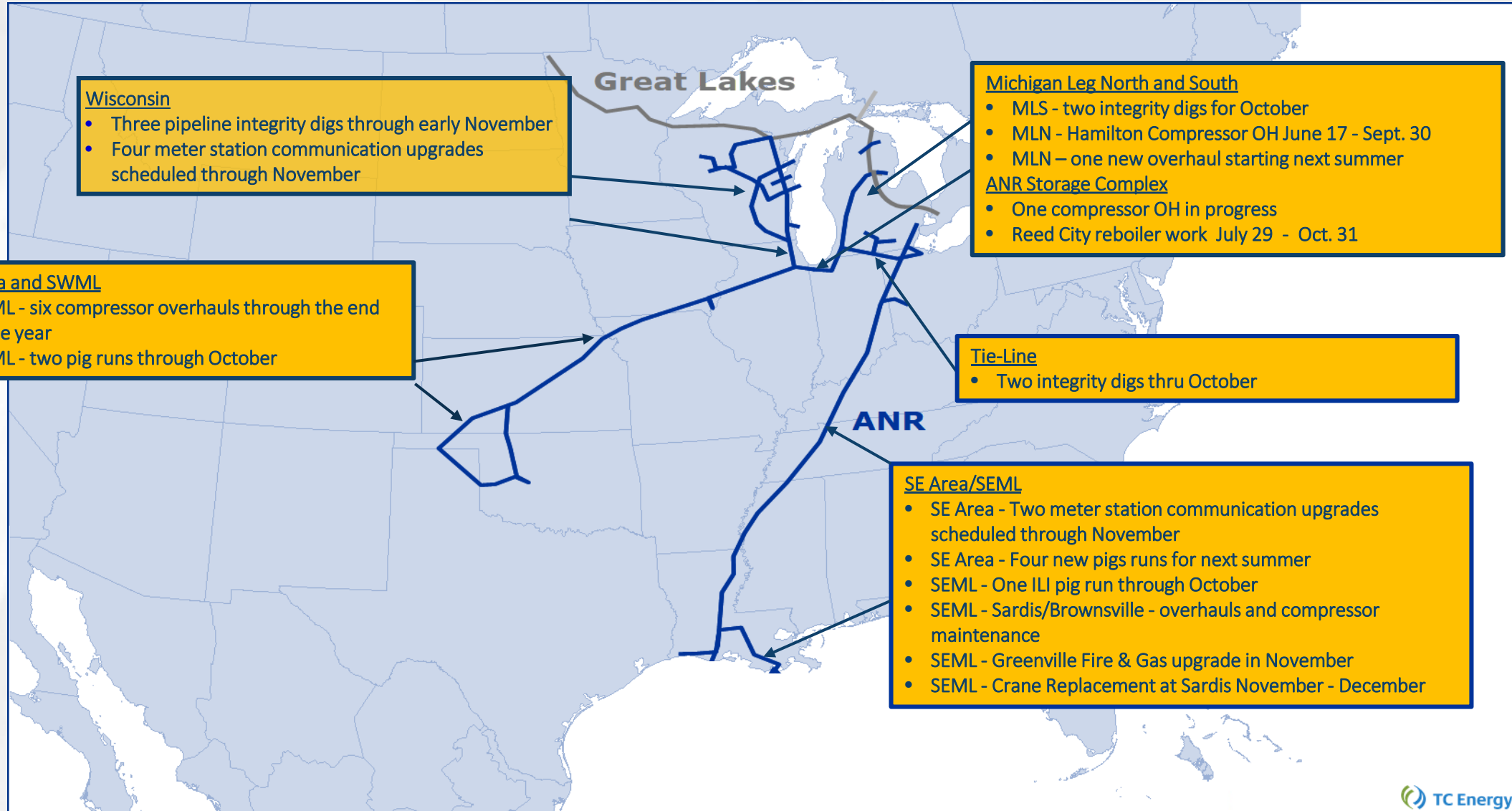
Summer power plant deliveries



Winter power plant deliveries



2019 ANR Mainline maintenance projects



ANR posted capacity impacts – September 2019

Red River (Rec) Int (LOC #185837) CN ID #9448

Firm Primary Only Oct. 5 – Nov. 5

Beaver-CIG (REC FR CIG) (LOC #16435) CN ID #9455

Firm Primary Only Oct. 4 – 21

SWML Northbound (LOC#226630) CN ID #9464

140-MMcf/d (leaving 549-MMcf/d available) Oct. 14 – 18

20-MMcf/d (leaving 669-MMcf/d available) Oct. 19 – 31

Bridgman Northbound (LOC #226632) CN ID #9478

325-MMcf/d (leaving 1,276-MMcf/d available) Oct. 16 – 31

Defiance Westbound (LOC #505605) PSO ID #9459

115-MMcf/d (leaving 569-MMcf/d available) Oct. 8 – 19

125-MMcf/d (leaving 559-MMcf/d available) Oct. 21 – 29

ANR posted capacity impacts – September 2019

Cottage Grove Southbound (LOC #505614) PSO ID #9473

100-MMcf/d (leaving 1049-MMcf/d available) Oct. 11 – 17

149-MMcf/d (leaving 1000-MMcf/d available) Oct. 18

100-MMcf/d (leaving 1049-MMcf/d available) Oct. 19 – 31

220-MMcf/d (leaving 980-MMcf/d available) Nov. 5 – 16

Jena Southbound (LOC #9505489) CN ID #9474

120-MMcf/d (leaving 1,060-MMcf/d available) Oct. 21 – 23

75-MMcf/d (leaving 1,105-MMcf/d available) Oct. 29 – 31

75-MMcf/d (leaving 1,140-MMcf/d available) Nov. 1 – 4


120-MMcf/d (leaving 1,095-MMcf/d available) Nov. 5 – 9

Eunice Total Location (LOC #505592) PSO ID #9456

275-MMcf/d (leaving 900-MMcf/d available) Oct. 29 – Nov. 2

Outage Postings

- Service impacts are estimates. Actual nominations, markets, weather and pipeline conditions determine any level of curtailments.
- Projects may be added, altered, delayed or cancelled. Emergent work cannot be planned and will happen from time to time.
- Notice of such planned work, including additions or changes, will be provided via a posting under the Planned Service Outage (PSO) category in GEMS. Emergent work will be posted under the Critical Notice category as soon as possible.



ANR Nominations & Scheduling

DeAnna Parsell – Noms and Scheduling

Wisconsin Area Constraints

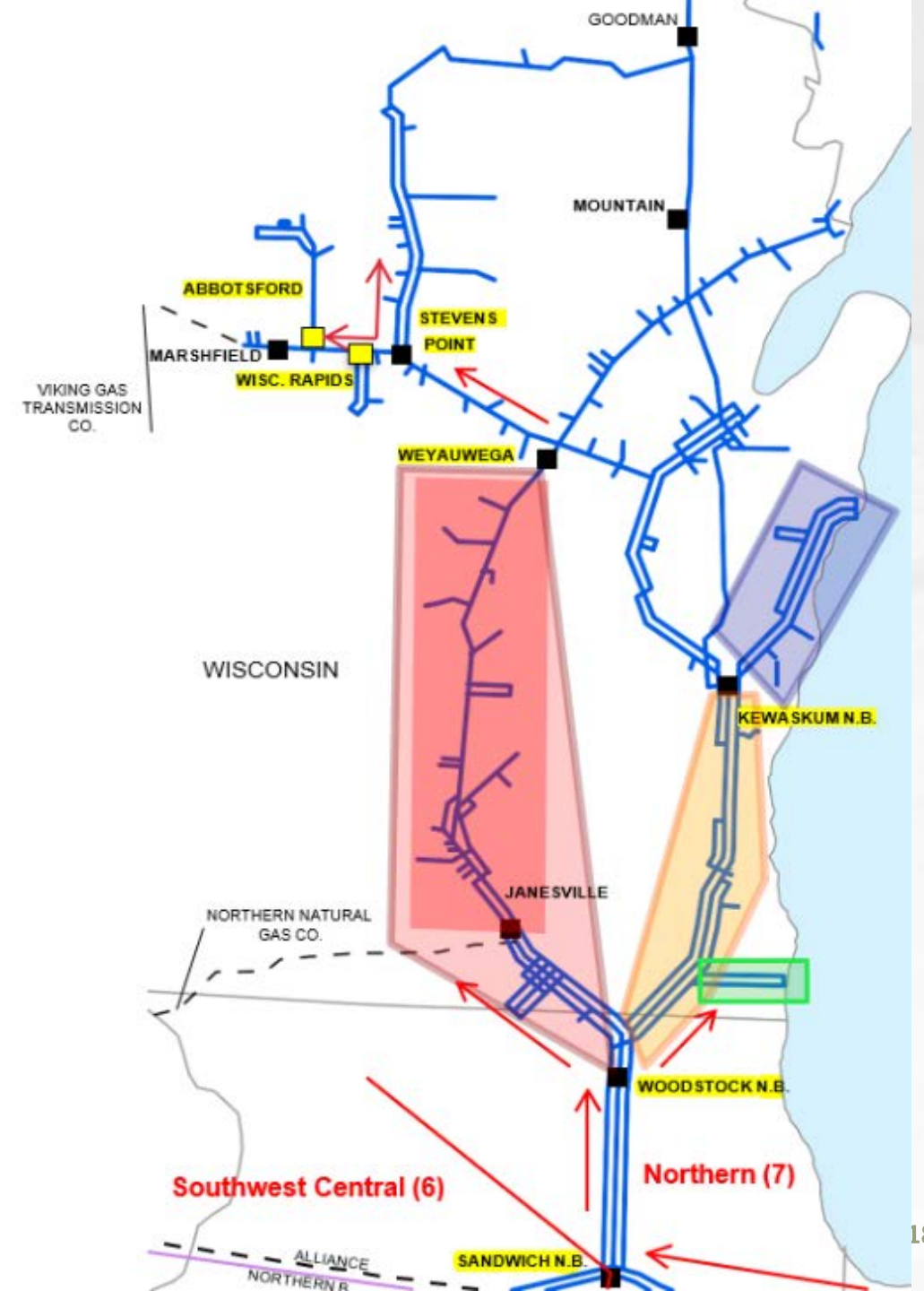
Flow Throughs:

- Sandwich Northbound - 2,248,260 dth
- Woodstock Northbound - 1,998,674 dth
- Kewaskum Northbound - 1,244,389 dth
- Weyauwega Westbound - 326,253 dth
- Stevens Point Westbound - 279,821 dth
- Wisc. Rapids Southbound - 59,261 dth
- Abbotsford Northbound - 17,225 dth

Groups and Points:

- Two Rivers Lateral (Group) - 97,171 dth
- Madison Lateral (Group) - 548,142 dth
- Madison Lateral North (Group) - 302,265 dth
- Milwaukee Lateral (Group) - 347,318 dth
- Racine Lateral (Group) - 108,682 dth

*Disclaimer: ANR Pipeline Company has implemented these tools to provide visibility for scheduling in the state of Wisconsin, however other tools may be utilized as needed to protect system integrity. The information contained here is subject to change based on operational conditions and market demands.



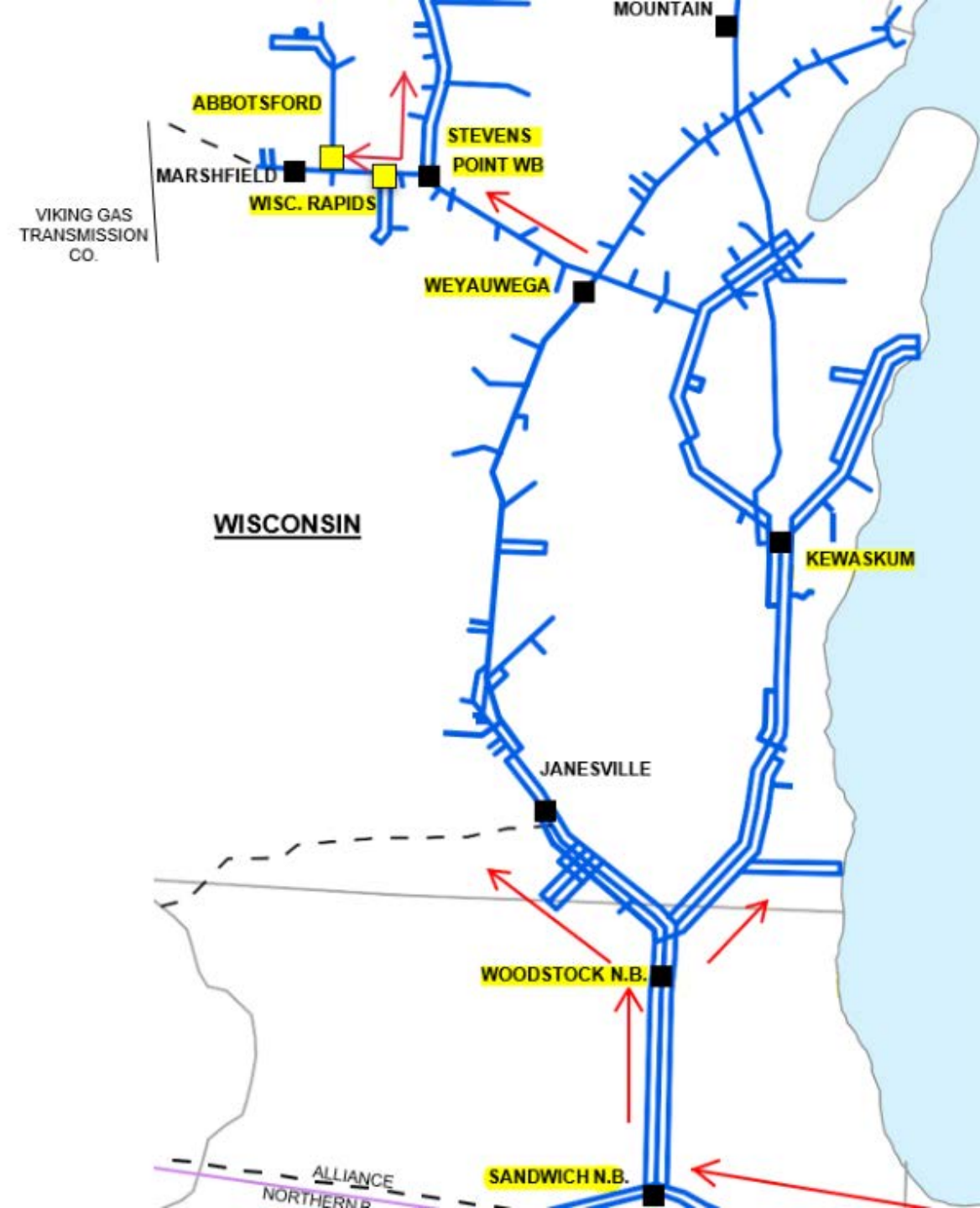
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Madison Lateral North (Group) – 302,265 dth

- 28670 Randolph
- 28672 Columbus
- 28676 McFarland
- 28679 Sun Prairie
- 28682 Waterloo
- 28684 Stoughton
- 28765 Princeton WI
- 28766 Oxford
- 28806 Edgerton
- 28807 Indianford
- 28863 Wild Rose
- 28865 Adams WI
- 36867 Madison
- 36868 North Madison
- 36869 South Madison
- 36870 Windsor
- 40197 Fairwater
- 40199 Neshkoro
- 139253 Madison Gas Grp 1
- 284917 Kegonsa INT

Milwaukee Lateral (Group) – 347,318 dth

- 28798 Rochester
- 28834 Menominee Falls
- 28836 Jackson
- 28841 New Berlin
- 28842 Milwaukee
- 28844 Waukesha
- 28846 Capitol Drive
- 40226 Lake Geneva
- 40496 West Bend
- 139376 WISC Gas Grp 2
- 265372 Germantown INT
- 384136 Hartford East
- 438676 Port Washington

Madison Lateral (Group) – 548,142 dth

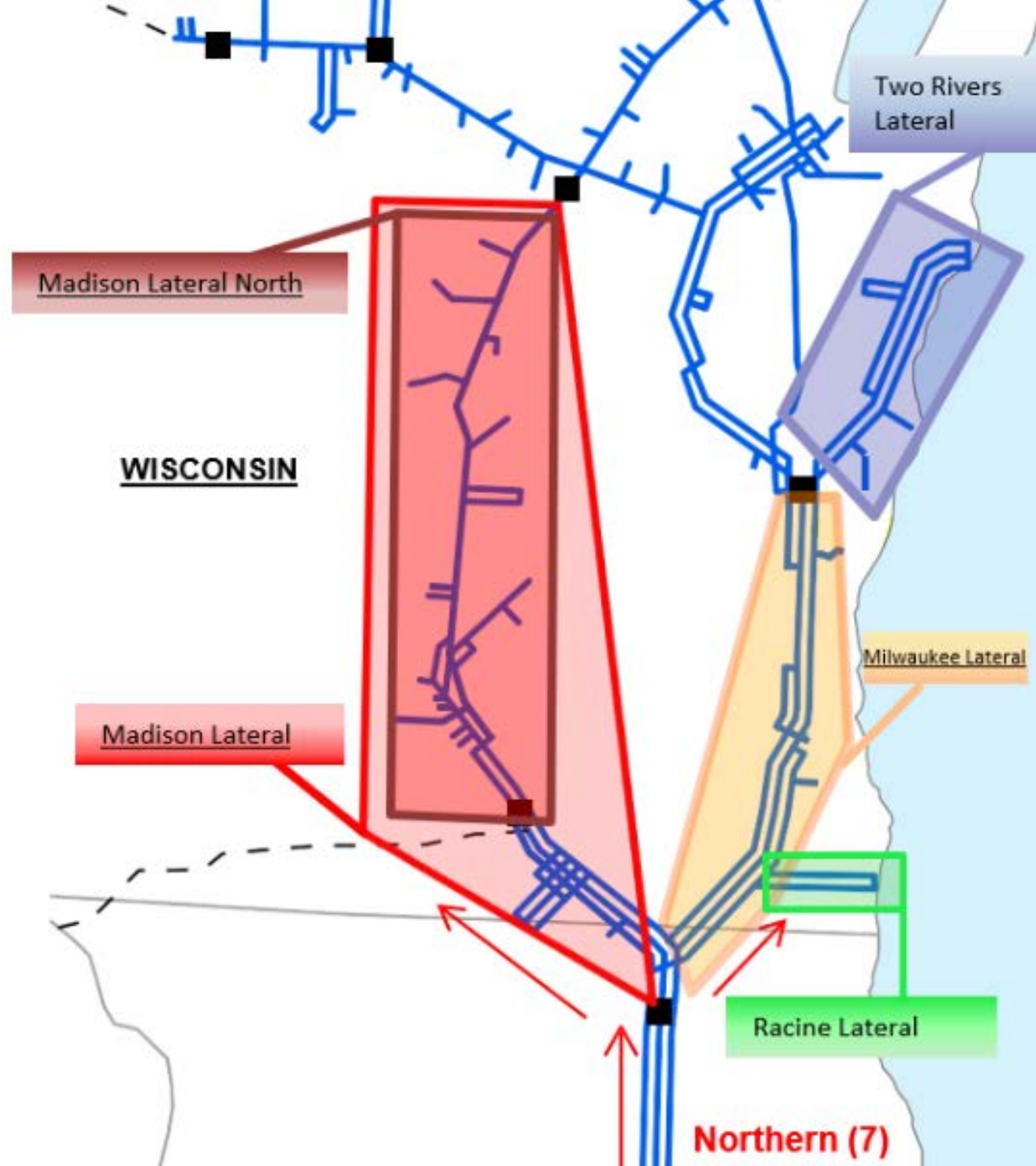
- **438672 Madison Lateral North ***
- 28811 Fort Atkinson
- 28814 South Janesville
- 28816 Emerald Grove
- 28817 North Beloit
- 36934 Beloit
- 36936 Sharon
- 40304 Janesville WI
- 139257 Wisc Power Grp 1
- 261575 Tiffany
- 384134 Tiffany East
- 395460 Frito Lay Sales

Two Rivers Lateral (Group) – 96,209 dth

- 28736 Manitowoc
- 28738 Valders
- 28739 North Manitowoc
- 28740 Two Rivers
- 28828 Fredonia
- 28829 Plymouth
- 28831 Sheboygan
- 28832 North Sheboygan
- 40198 Cleveland
- 174789 Meeme
- 174831 Kohler Company
- 439345 Sheboygan Falls

Racine Lateral (Group) – 108,682 dth

- 28720 Racine
- 174788 Kenosha INT
- 261574 Paris- North Shore



DD/MBS Storage - Critical Notice #9428

Attn: All ANR Pipeline Storage Customers

Due to current high storage inventory levels and projected injection activity, ANR Pipeline Company ("ANRPL") is requiring Interruptible Rate Schedule DDS and MBS storage customers to have their account inventory be equal to or less than their allocated ending balance levels on September 24, 2019, by no later than the end of gas day October 31, 2019.

ANRPL continues to allow daily nominated injections into either DDS or MBS during this period. Please be advised that daily operating conditions and firm service obligations will determine the daily level of interruptible storage activity allowed.

Additionally, Infield Storage Transfers are not currently restricted, however, ANRPL is reminding all ANRPL Storage customers that pursuant to the General Terms and Conditions, Part 6.18.12 of the ANR Pipeline Company Tariff, Infield Storage Transfer Requests may be restricted if the request results in an increase to ANRPL's service obligations. All Infield Storage Transfer Requests will be considered on an individual basis.

ANRPL will continue to monitor the operational situation closely and will update this restriction as necessary.

Please contact your ANR Marketing Rep or your ANR Noms & Scheduling Rep if you have any questions concerning this notification.

Infield Storage Transfer Approval & Rejection Scenarios

Infield Storage Transfers will be considered on an individual basis – per critical notice #9428

Approval Scenarios

- Infield storage transfers where MBS, STS, DDS, ITS-3 & FTS-3 contracts are transferring to FSS contracts will be approved if available balance permits
- Infield storage transfers where neither the relinquishing or acquiring are Rate Schedule FSS will be approved if available balance permits

Rejection Scenarios

- Transfers where FSS contracts are transferring to MBS, DDS, STS, ITS-3 & FTS-3 contracts will result in an increase to ANR's Firm Injectability, therefore these transfers will be rejected.

Individually Considered Scenarios

- Transfers between FSS contracts may be approved or rejected based on the evaluation of each transfer's net increase or decrease to ANR's Firm Injectability or those transfers that net with no impact to ANR's Firm Injectability.

The background of the slide is a faded, high-angle photograph of mechanical components. It shows several large, hexagonal bolts or nuts arranged in a circular pattern, likely part of a large gear or a heavy-duty flange. The lighting is soft, creating subtle shadows and highlights on the metallic surfaces. The overall tone is light and technical.

Questions?

ANR customer assistance

For further customer assistance concerning scheduling priorities related to your specific firm service agreement(s), firm service rights and features, GEMS new user training, virtual and face-to-face meetings, etc., please contact the ANR Noms & Scheduling Team:

Toll Free: 1-800-827-5267

Group Email: ANR_Noms_Scheduling@tcenergy.com

Web address for the ANRPL Tariff: www.anrebb.transcanada.com