



# ANR Monthly Customer Update

December 2019







## Safety Moment

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Travel safety tips:

- Do your research. Get to know your destination in depth before you arrive.
- Don't draw attention to yourself.
- Make copies of important documents.
- Keep your friends and family updated.
- Be wary of public Wi-Fi.
- Safeguard your hotel room.
- Be aware of your surroundings.



# Agenda

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## Storage Update

Jeffery Keck, Operations Planning

## Operational Update

Michael Gosselin, Gas Control & Planning

## Noms & Scheduling

DeAnna Parsell, Noms & Scheduling



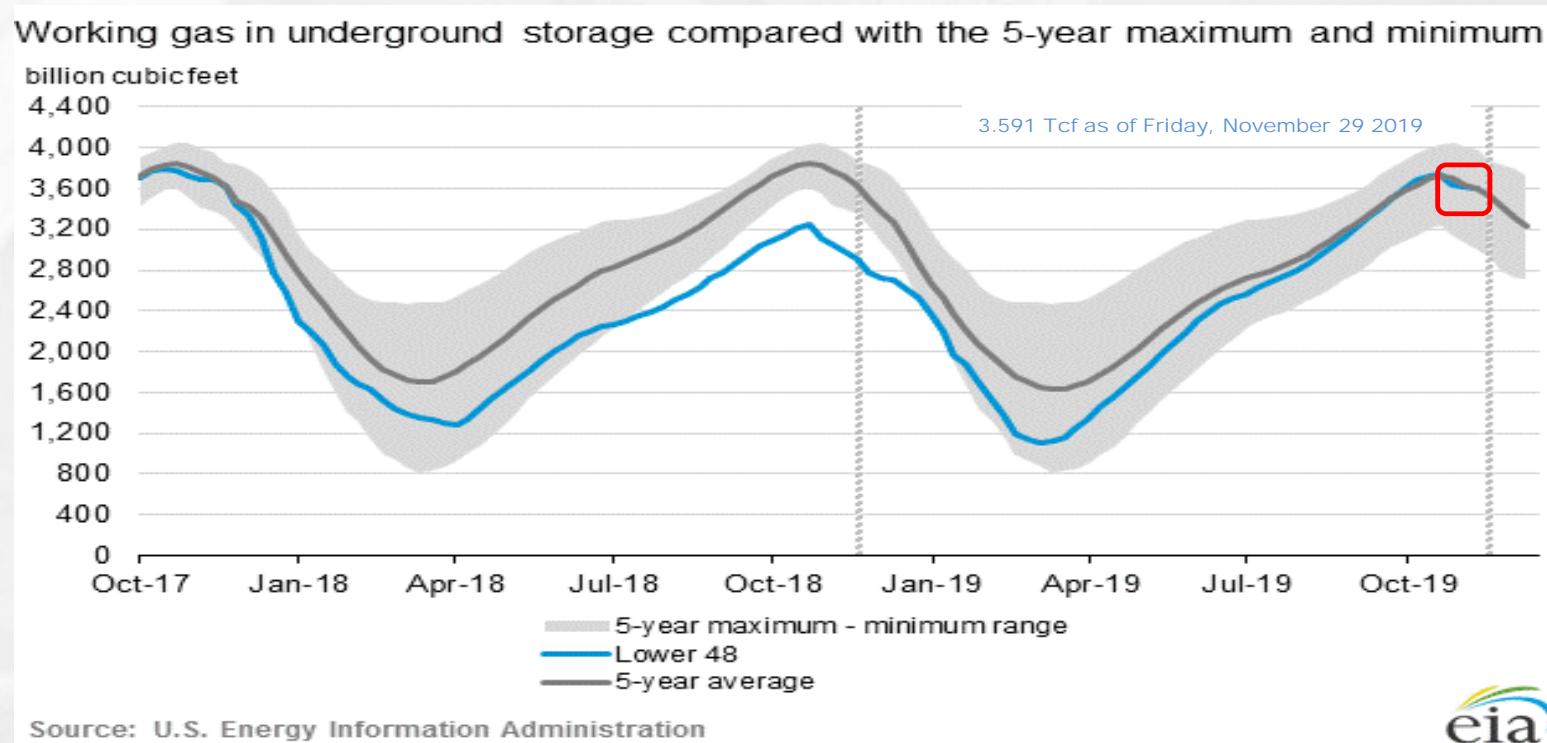


# ANR Storage Update

## Jeffery Keck – Operations Planning

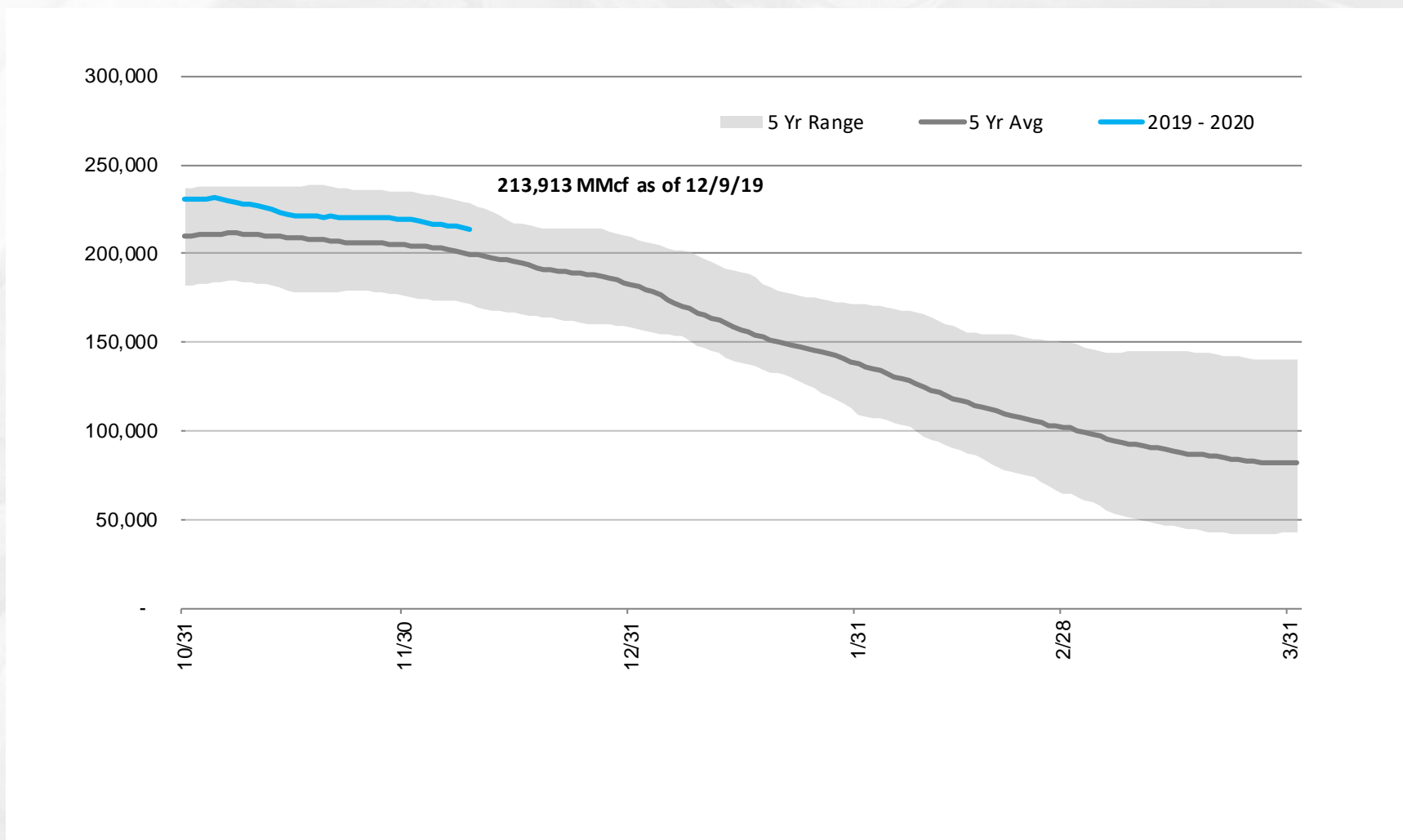


# EIA storage position: The big picture



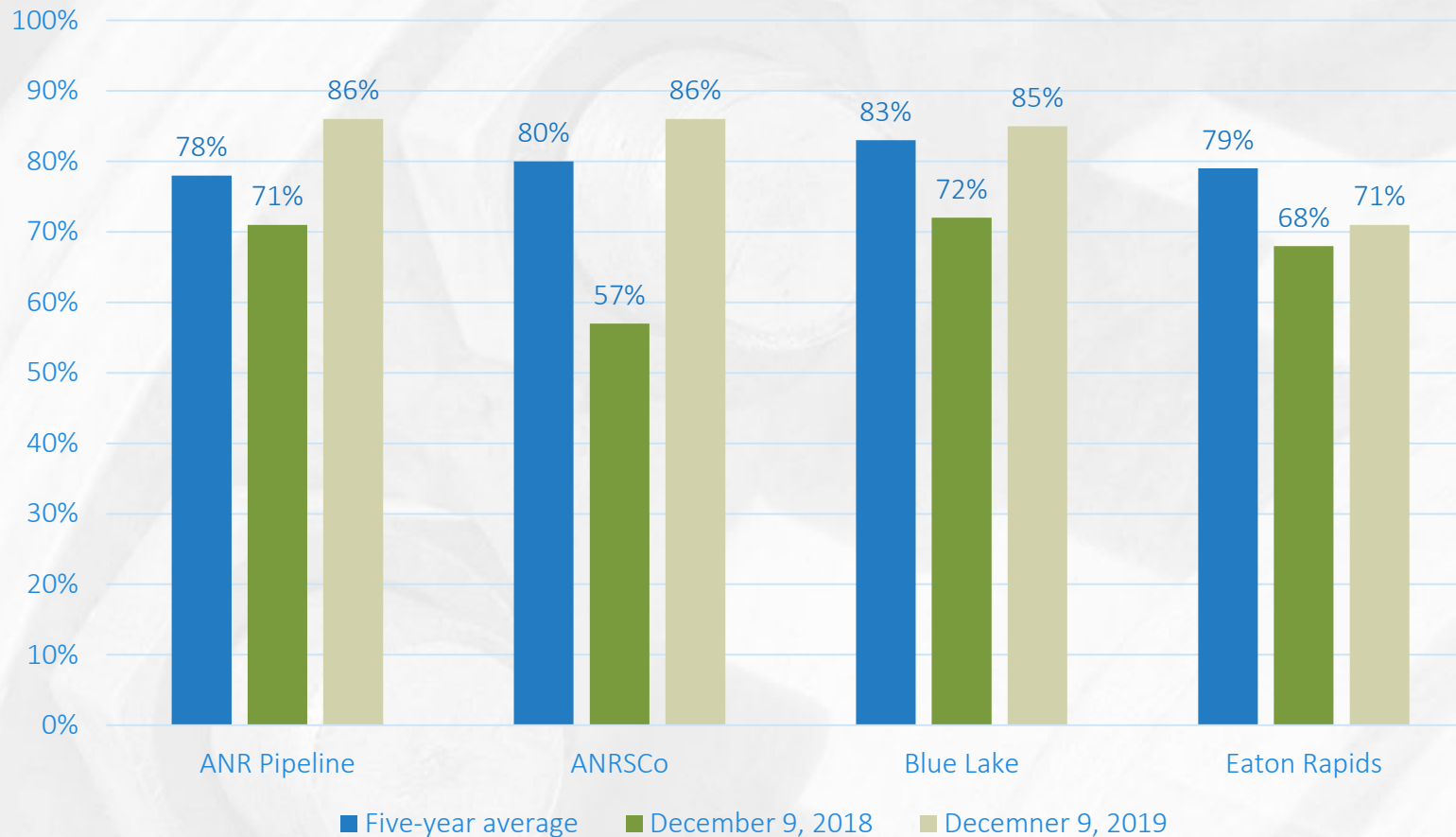
Date	ANR's Reported EIA Storage Inventory (MMcf)
November 29, 2019	210,227
November 30, 2018	168,232
December 1, 2017	208,745

# Storage position

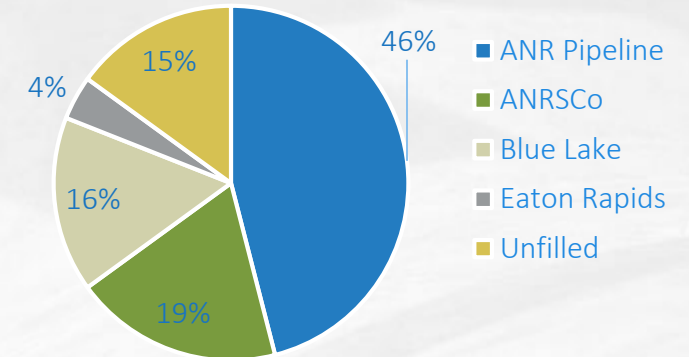


# Storage inventory – 2019 vs. 2018

Physical Inventory Positions as of December 9



% of Certificated Storage Capacity



Percent of Storage Capacity	2019 Percent Full	YOY Difference (2018-19) December 9
ANR Pipeline	86%	15.0%
ANRSCo	86%	28.7%
Blue Lake	85%	13.1%
Eaton Rapids	71%	2.8%



## Storage Operations

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- The current volume in storage is above the five-year average level by about 14-Bcf.
- From Nov. 14 – Dec. 9, storage activity averaged a withdrawal of about 350 MMcf/d. However, daily activity varied from an injection of about 100-MMcf/d to a withdrawal of about 900-MMcf/d.
- ANR has met all firm customer demand for storage activity on both injection and withdrawal.
- Capacity is 85% full after a little more than a month of the winter season.
- The weather is expected to be more normal over the next couple of weeks. This means that moderate withdrawals are generally anticipated.



# Storage Operations

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- Storage fields have been switched over from injection to withdrawal mode so that ANR is fully prepared for the withdrawal season. Therefore, ANR believes it is positioned well to meet all firm demand for withdrawal.
- There are currently no posted restrictions on storage activity.

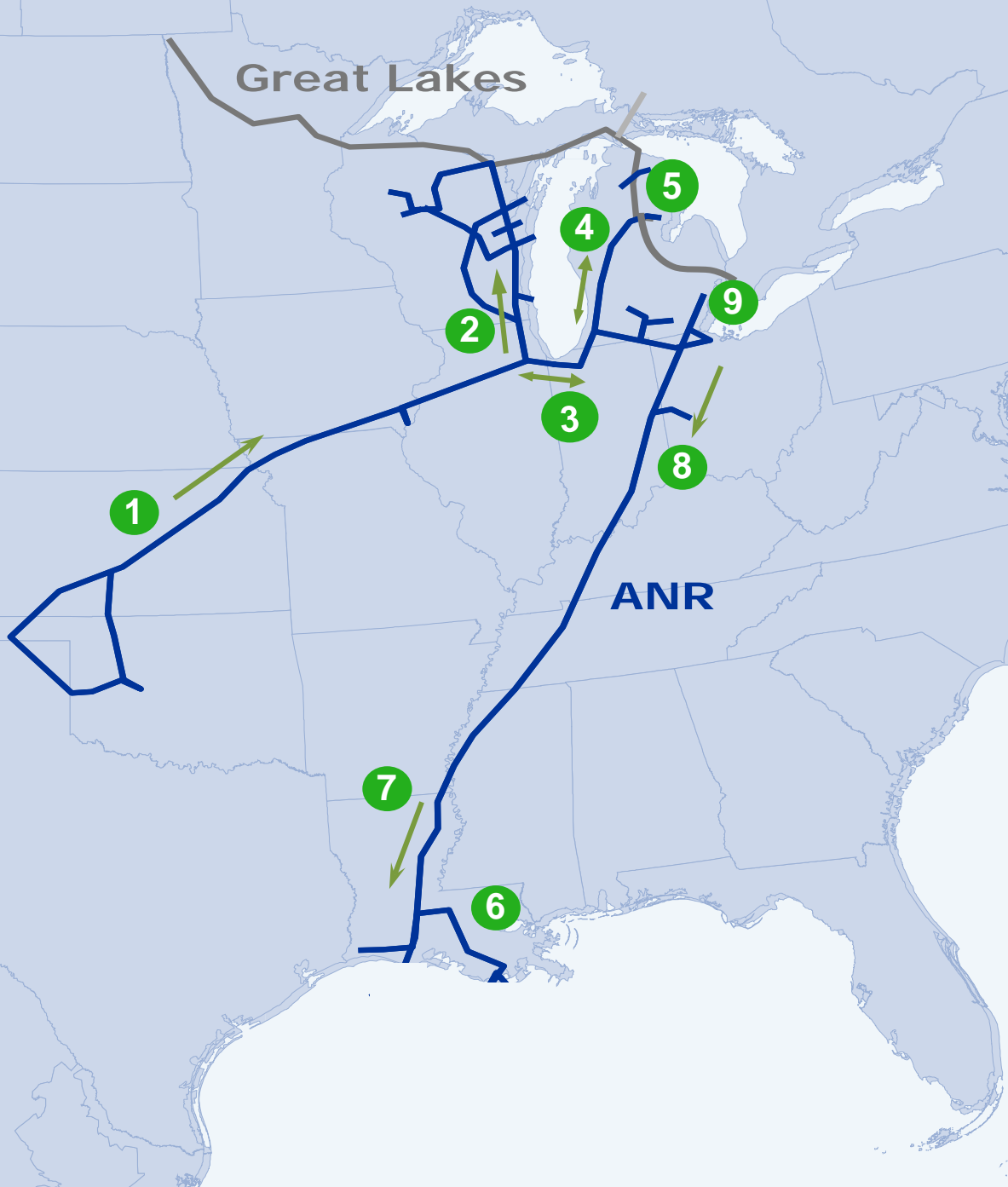




Operational Update

Michael Gosselin – Gas Control & Operations Planning



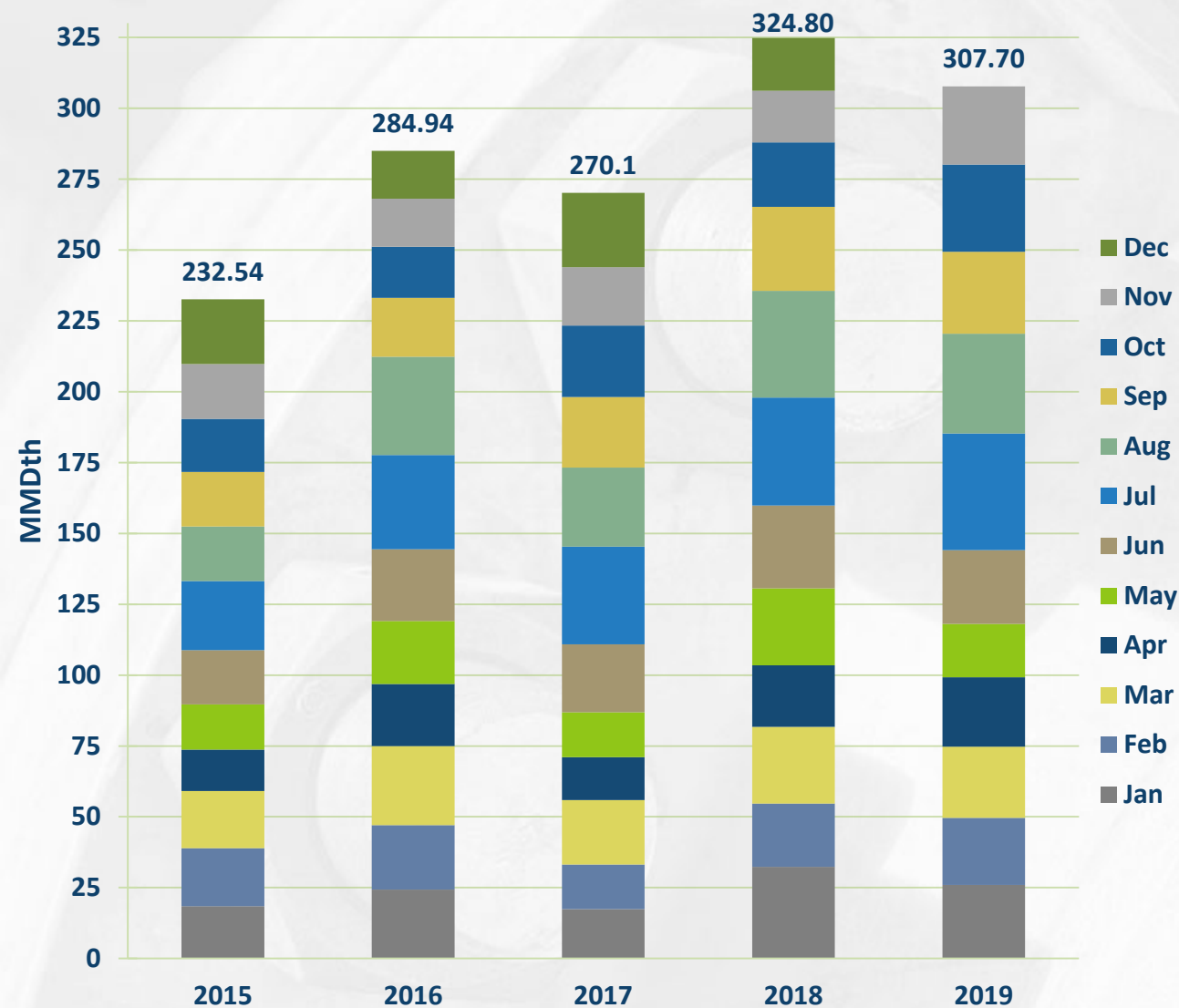


## ANR November average daily flows

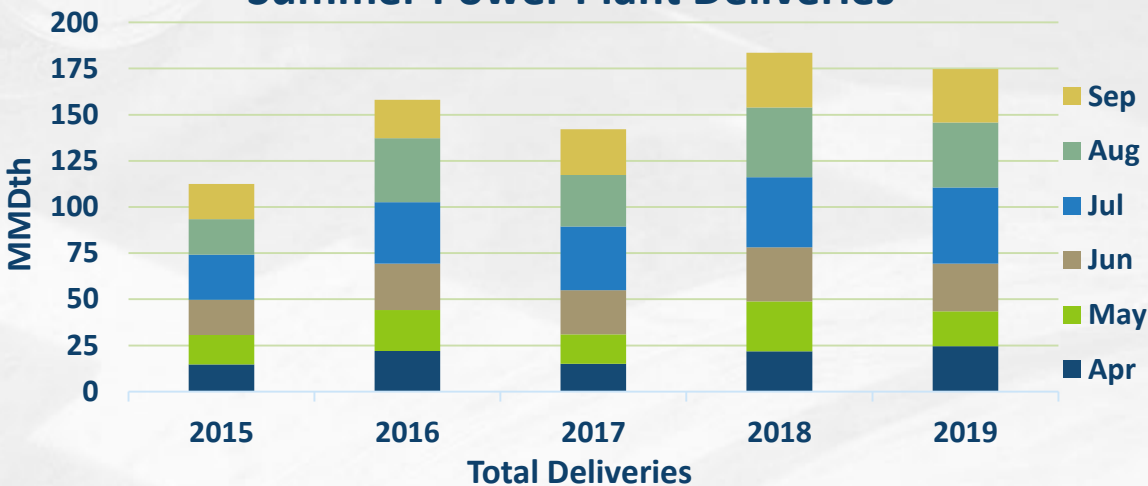
- 1 SWML Northbound flow averaged 704-MDth/d (up 13% from October) with a utilization of 95%.
- 2 Wisconsin deliveries averaged 1249-MDth/d (up 51% from October) with a peak flow of 1.7MMDth/d mid-month.
- 3 Michigan Leg South through St. John transitioned to a Westbound flow averaging 47-MDth/d (with large swings back to Eastbound flow dependent on load).
- 4 Woolfolk transitioned to a Southbound flow averaging 411-MDth/d (with large swings back to Northbound flow dependent on load).
- 5 ANR Pipeline storage averaged an injection of 252-MDth/d (down 66% from October). Flow ranged from an injection of 1.1-MMDth/d to a withdrawal of 528-MDth/d.
- 6 Eunice Total averaged 87% full with a 12% drop in flow from October. Deliveries between Eunice and Patterson averaged 941-MDth/d (down 10% from October). ANR received an average of 272-MDth/d from offshore at Patterson (up 3% from October).
- 7 Southbound flows through Jena averaged 957-MDth/d (down 15% from October) with a utilization of 81% (up from 99% in October).
- 8 REX Shelbyville receipts averaged 514-MDth/d (up 5% from October) and Westrick Interconnect averaged 1,637-MDth/d (up 6% from October).
- 9 Deliveries to MichCon at Willow Run averaged 521-MDth/d (up 26% from October, but 7% lower than last October).

# ANR monthly deliveries to power plants

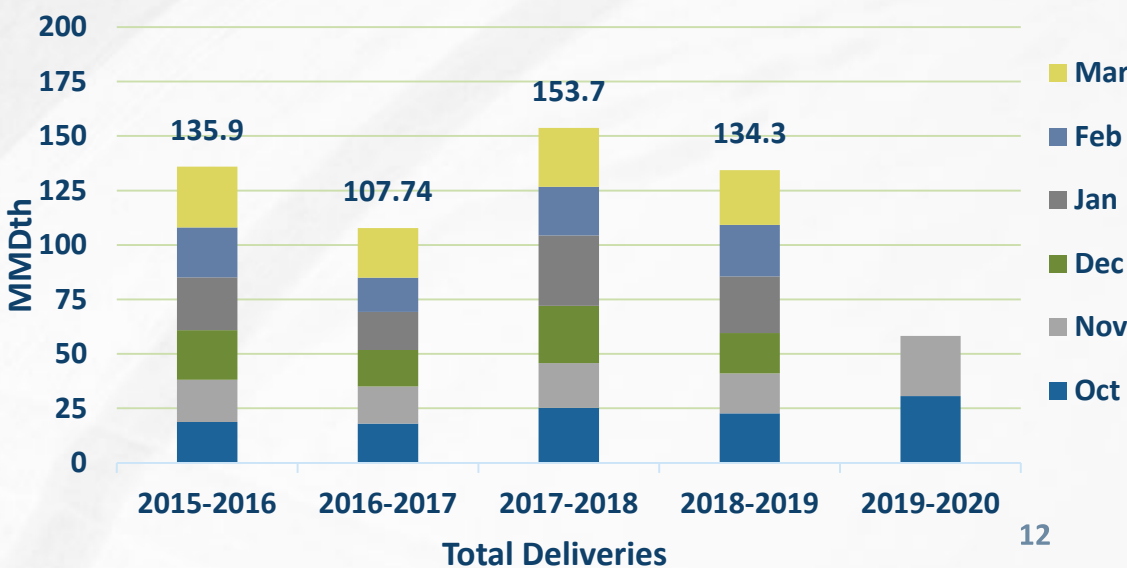
Total Monthly Power Plant Deliveries



Summer Power Plant Deliveries

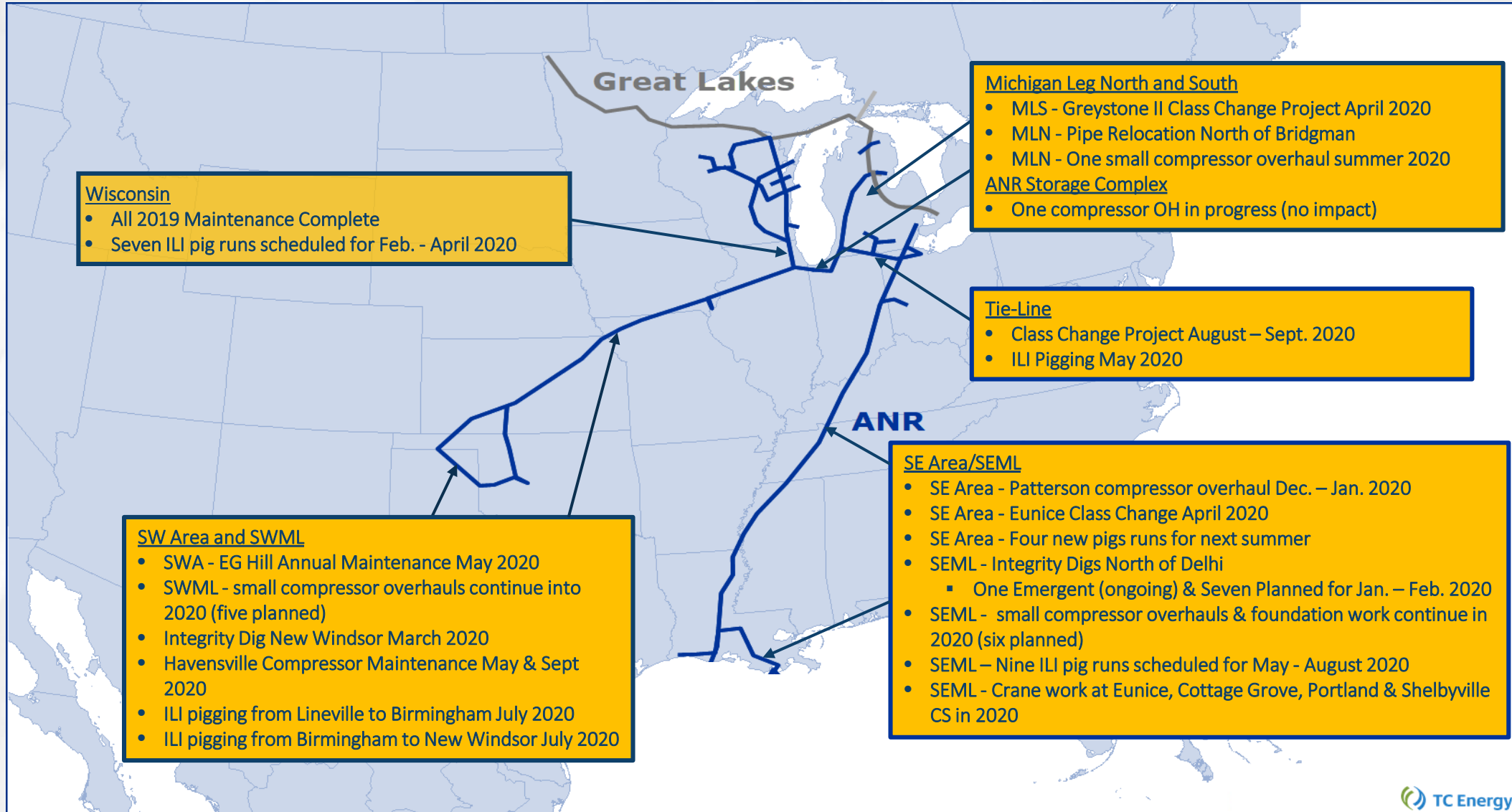


Winter Power Plant Deliveries





# 2019 – 2020 ANR maintenance activity



# ANR Posted Capacity Impacts – November 2019

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## SW Area West Leg to SWHS (LOC ID #226635) CN ID #9518

Permanent name (previously EG Hill to SWHS) and capacity change to 520-MMcf/d.

## Joliet NGPL (LOC# 2610) CN ID #9533

Firm Primary Only : Dec. 18 - 19

## Bobcat Storage (LOC # 742882 & 742883) PSO ID #9528

Shut In : Dec. 16 -20

## Jena Southbound (LOC #9505489) PSO ID #9529

200-MMcf/d (leaving 1,015-MMcf/d available) Jan. 13 - Feb. 7

## Delhi Southbound (LOC #1379345) CN ID #9530

176-MMcf/d (leaving 959-MMcf/d available) Dec. 13 - 27

## KM Midcontinent Express (LOC #803183) CN ID #9531

Shut In : Dec. 13 - 27



# Outage Postings

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- 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.

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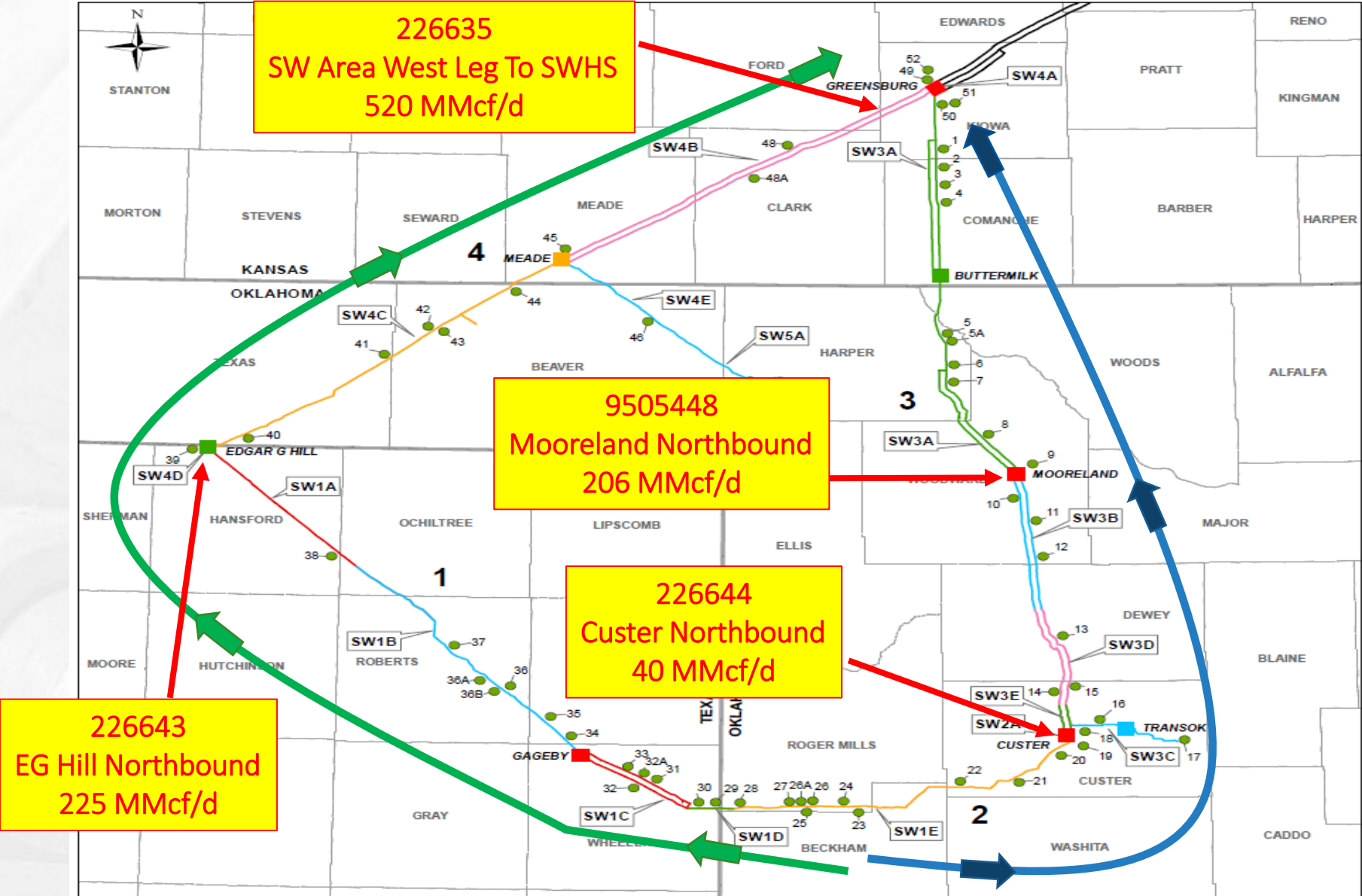


# ANR Nominations & Scheduling

DeAnna Parsell – Noms and Scheduling



# SW Operational Capacity Reminder



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

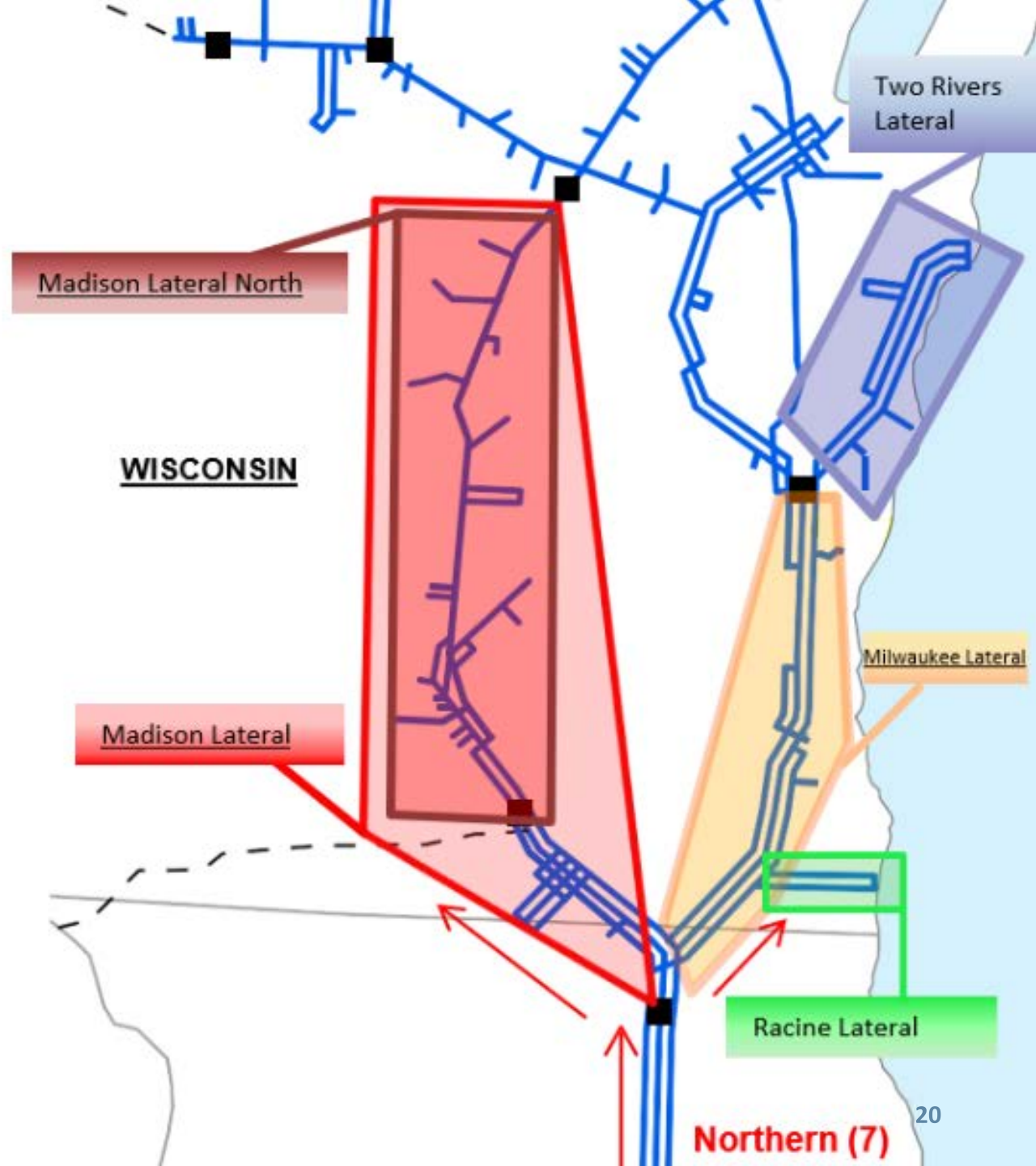
- **438672 Madison Lateral North \***
- 28811 Fort Atkinson
- 28814 South Janesville
- 28816 Emerald Grove
- 28817 North Beloit
- 36934 Beloit
- 36936 Sharon
- 40304 Janesville WI
- 139257 Wisc Power Grp 1
- 261575 Tiffany
- 384134 Tiffany East
- 395460 Frito Lay Sales

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



**Questions?**





# ANR Customer Assistance

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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](mailto:ANR_Noms_Scheduling@tcenergy.com)

Web address for the ANRPL Tariff: [www.ebb.anrpl.com](http://www.ebb.anrpl.com)