



# ANR Monthly Customer Update

April 2019







# Safety Moment

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## Safe driving tips

- Don't drive under the influence
- Don't speed
- Avoid distractions
- Don't drive drowsy
- Wear your seatbelt
- Be extra careful in bad weather
- Don't follow too closely
- Defensive driving
- Keep your vehicle safe



# Agenda

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## **Storage Update**

Jeff Keck, Operations Planning


## **Operational Update**

Monica Edwards, Gas Control & Planning

## **Noms & Scheduling**

DeAnna Parsell, Noms & Scheduling

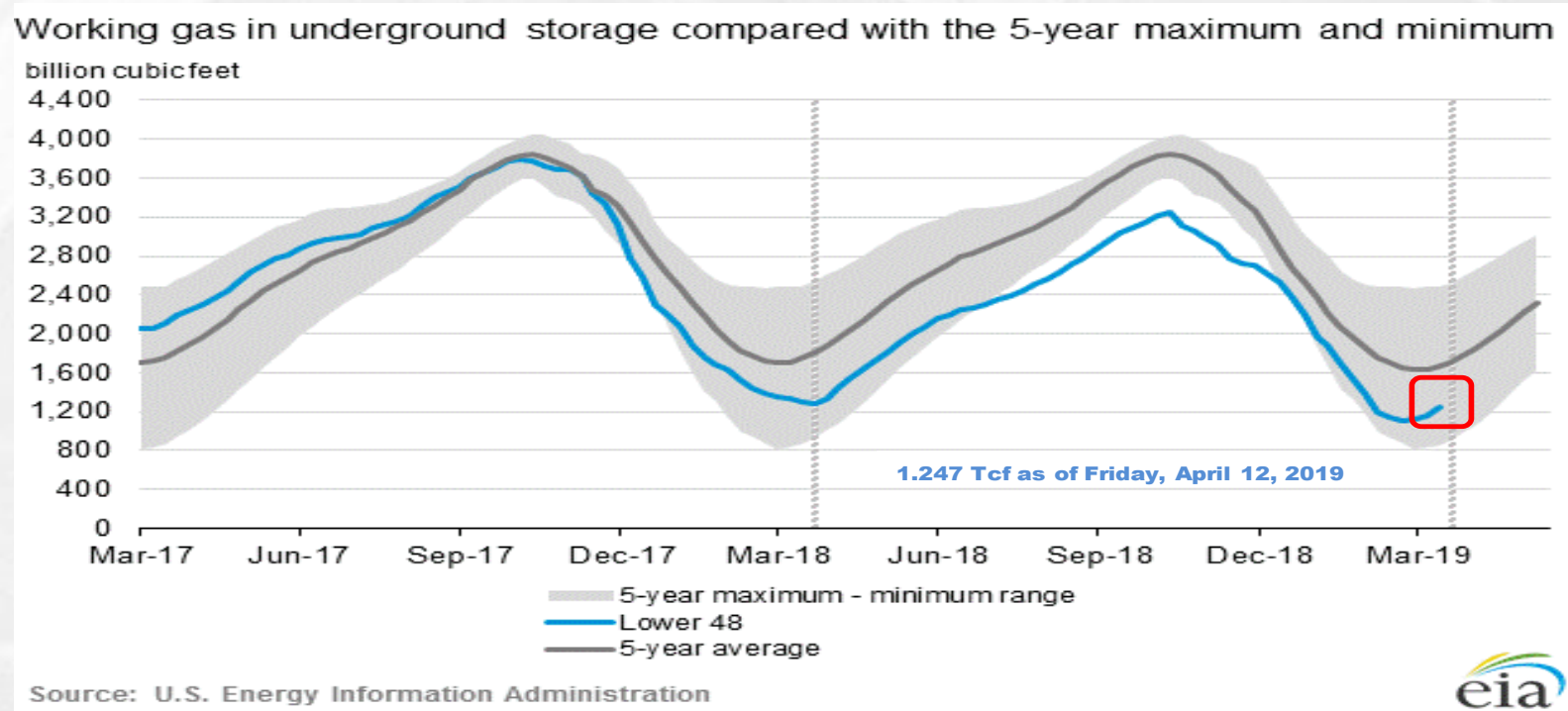




Storage Update  
Jeffery Keck – Operations Planning



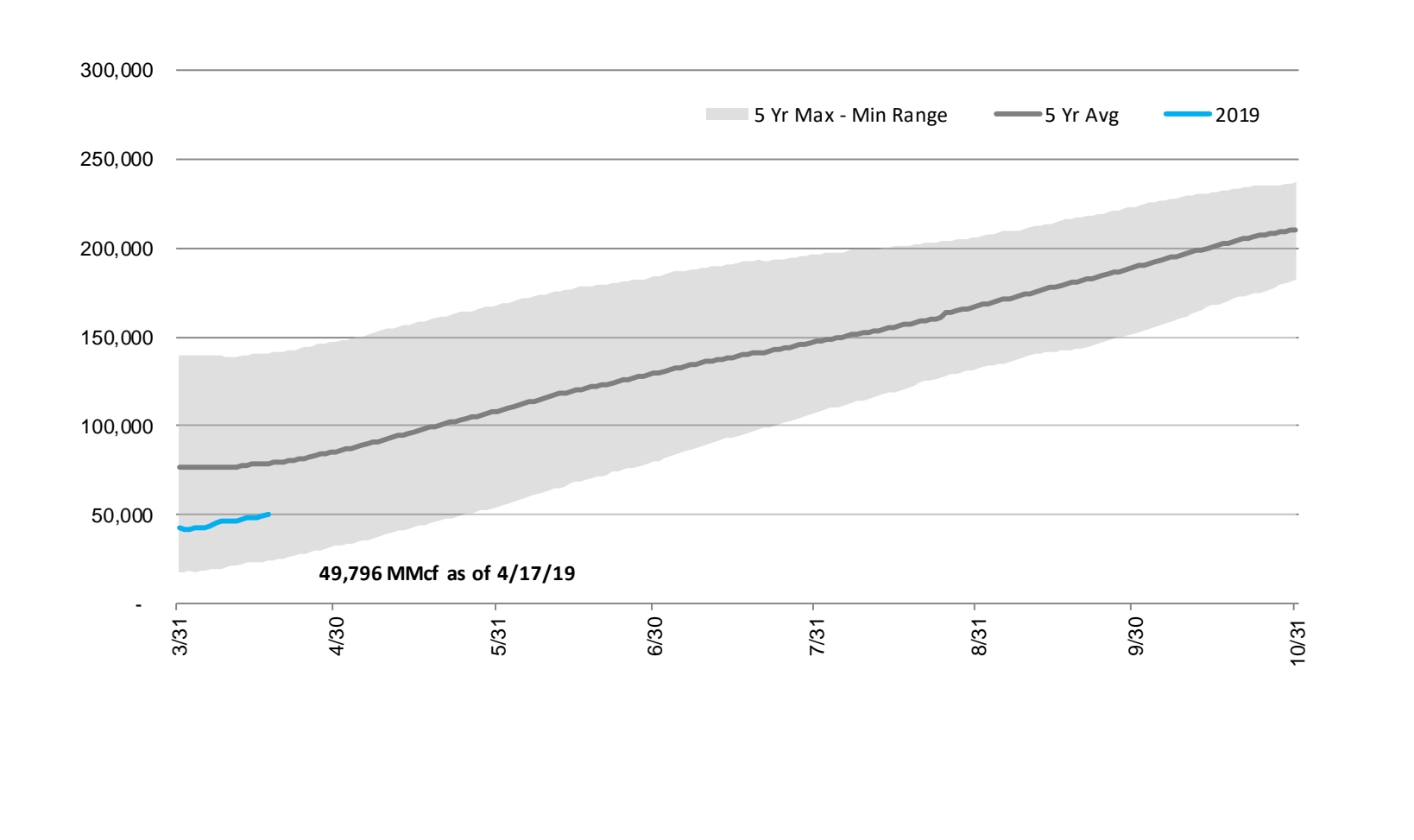
# EIA Storage Position: The Big Picture



Date	ANR's Reported EIA Storage Inventory (MMcf)
April 12, 2019	45,320
April 13, 2018	39,853
April 14, 2017	130,974

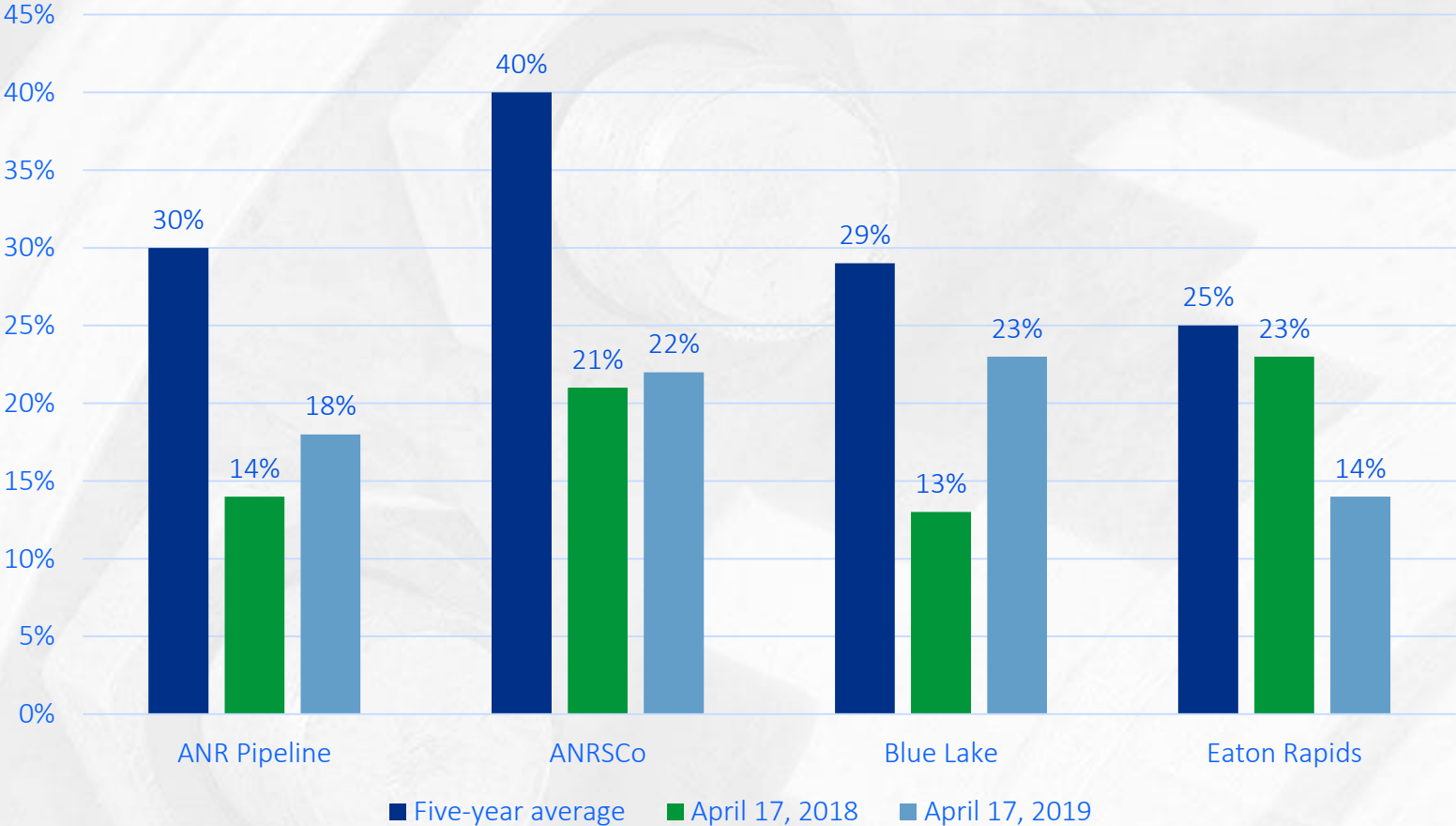
# Storage Position

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

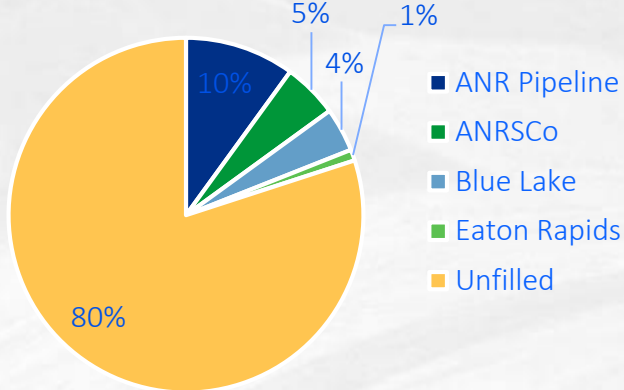


# Storage Inventory – 2019 vs. 2018

Physical Inventory Positions as of April 17



% of Certificated Storage Capacity



Percent of Storage Capacity	2018 Percent Full	YOY Difference (2018-19) April 17
ANR Pipeline	18%	4.5%
ANRSCO	22%	1.2%
Blue Lake	23%	10.6%
Eaton Rapids	14%	-9.5%

# Storage Operations

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- The current volume in storage is below the five-year average level by almost 30-Bcf. It is above the previous five-year minimum.
- From March 14 – April 14, storage activity averaged an injection of about 100-MMcf/d, which is reflective of a transition period. There have been significant swings during this spring transition. Activity has ranged from a withdrawal 760-MMcf/d to an injection of 1.10-Bcf/d.
- ANR met all firm customer demand for injection and withdrawal during this period.
- Capacity is 20 per cent full after the first half month of the summer season.
- With mostly normal weather projected over the next couple of weeks, steady injections are expected. The majority of the field preparations for summer injections have been completed. ANR is in good position to meet all firm demand for injection.

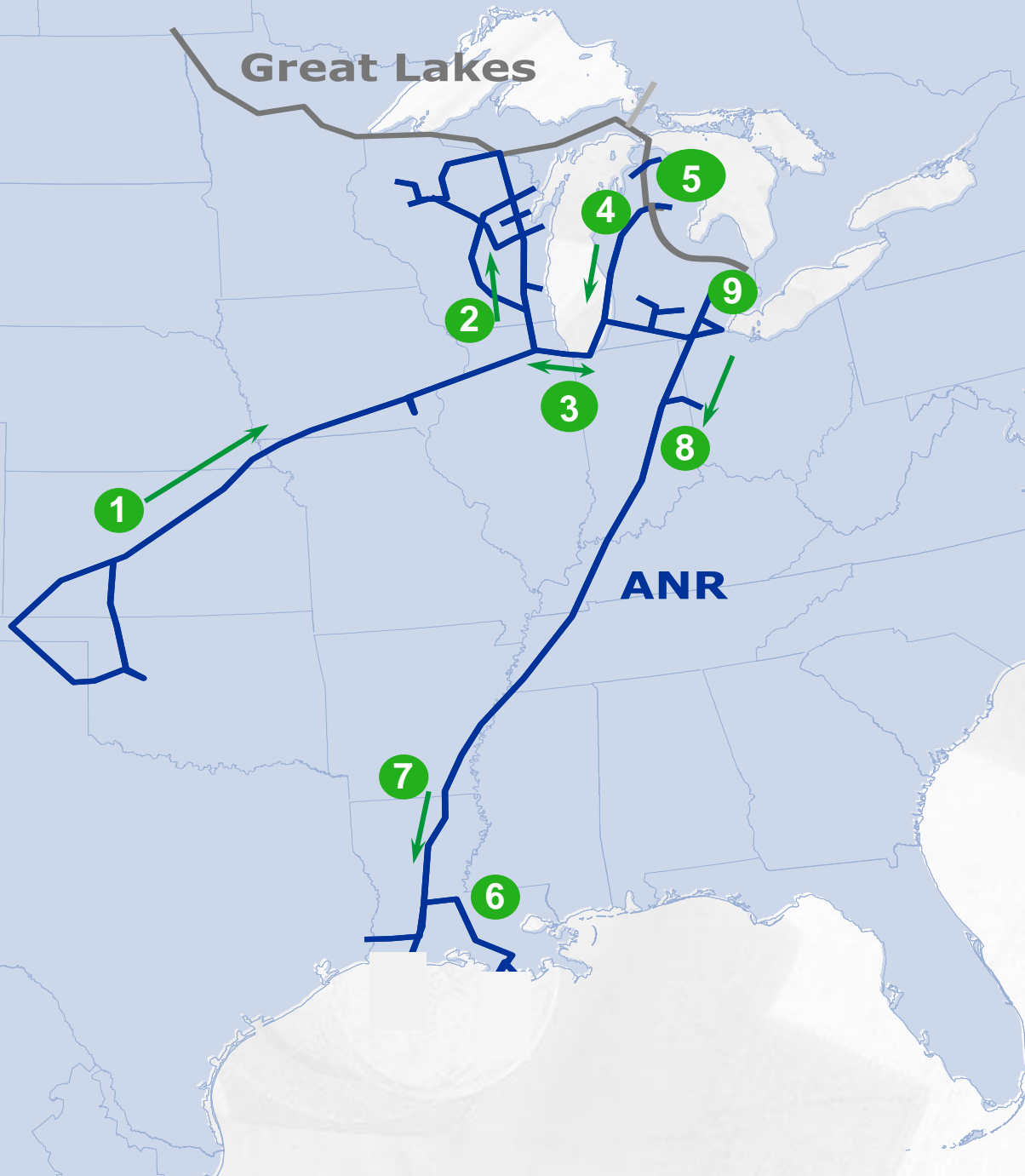




Operational Update

Monica Edwards – Gas Control & Operations Planning

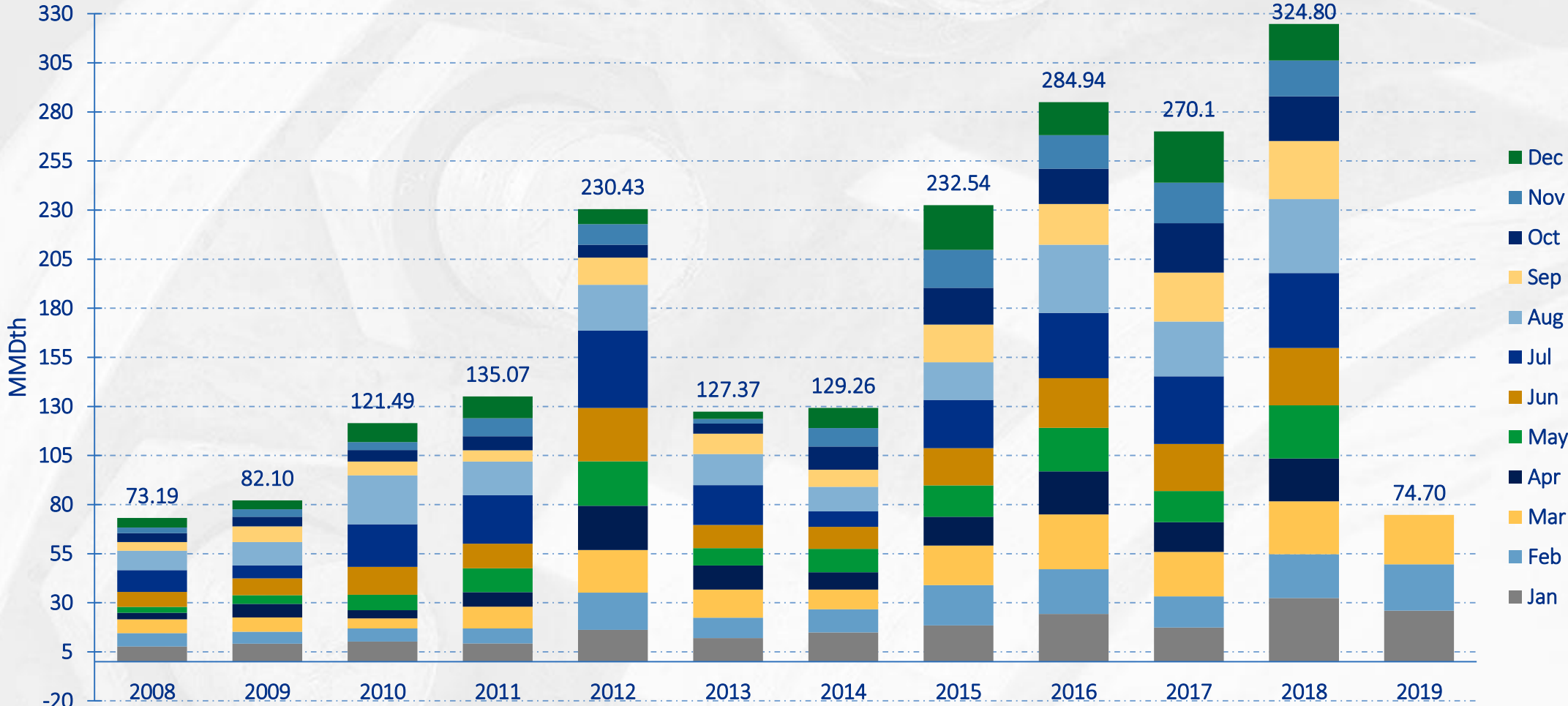
# ANR March Average Daily System Flows



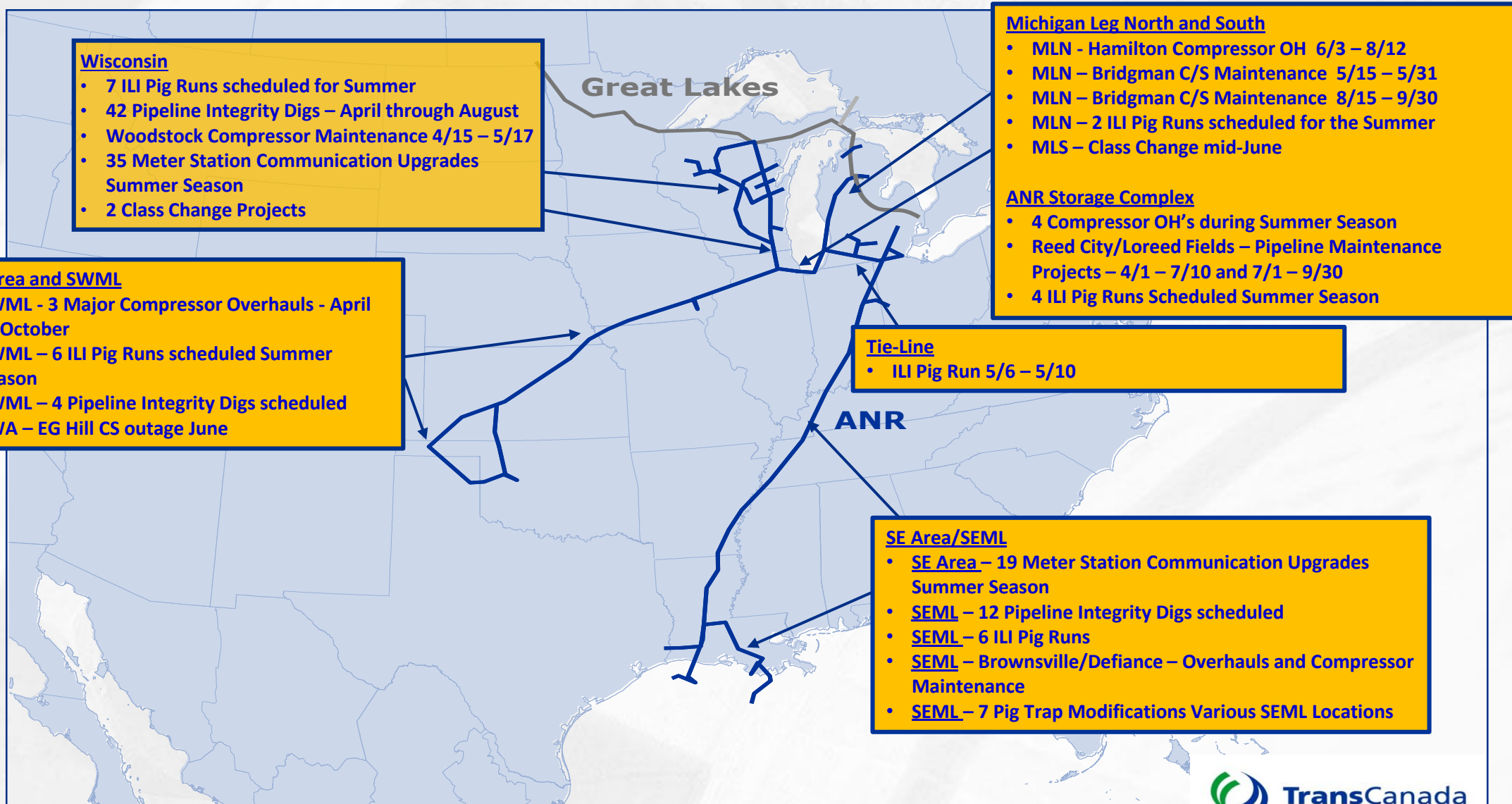
- 1 SWML Northbound flowed 88% full, with scheduled volumes averaging 627-MDth/d, a 10% increase from February flows.
- 2 Wisconsin deliveries averaged 1,313-MDth/d, over 100-MDth/d more than last March.
- 3 Michigan Leg South through St. John fluctuated between eastbound and westbound flows. Overall, the volume through this segment averaged 521 MDth/d, with peaks of 1.5MMDth and higher earlier in the month.
- 4 Woolfolk averaged 637-MDth southbound away from Storage, a nearly 50% decrease from February flows.
- 5 ANR Pipeline storage withdrawals averaged 624-MDth/d.
- 6 Deliveries between Eunice and Patterson averaged 703-MDth/d, Eunice Southbound averaged 89-MDth/d and deliveries to Duralde averaged 300-MMcf/d. ANR received 200-MDth/d from offshore at Patterson.
- 7 Southbound flows through Jena averaged 887-MDth/d.
- 8 REX Shelbyville receipts averaged 528-MDth/d, up 11% from last month. Westrick Interconnect averaged 1,290-MDth/d.
- 9 Deliveries to MichCon at Willow Run averaged 353-MDth/d, up 118-MDth/d over last month.



# ANR Monthly Deliveries to Power Plants



# 2019 ANR Mainline Maintenance Projects





# ANR Posted Capacity Impacts April 2019

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## Shadyside/TGP Receipt (LOC #467239) CN ID #9202

Operational capacity reduced to zero until further notice

## Bridgman Northbound (LOC #226632) CN ID #9201

325-MMcf/d (leaving 900-MMcf/d available) June 3 – August 12

## E.G. Hill from Gageby (LOC #226643) CN ID #9199

50-MMcf/d (leaving 175-MMcf/d available) April 29 – May 4

## SWML Northbound (LOC#226630) CN ID #9198

90-MMcf/d (leaving 600-MMcf/d available) April 29 – May 2

# ANR Posted Capacity Impacts April 2019

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## St. John Eastbound (LOC #226633) CN ID #9196

300-MMcf/d (leaving 967-MMcf/d available) April 23 – 26

## Wilow Run Delivery (DRN #42078) CN ID #9172

80-MMcf/d (leaving 777-MMcf/d available) April 23 – May 2

167-MMcf/d (leaving 690-MMcf/d available) May 3 – 11

## Brownsville Southbound (LOC #1260569) CN ID #9163

230-MMcf/d (leaving 900-MMcf/d available) April 22 – 26

## Custer City /Transok (LOC #16842) CN ID #9160

Operational capacity will be reduced to zero. No gas scheduled April 22 – 30.



# Outage Postings

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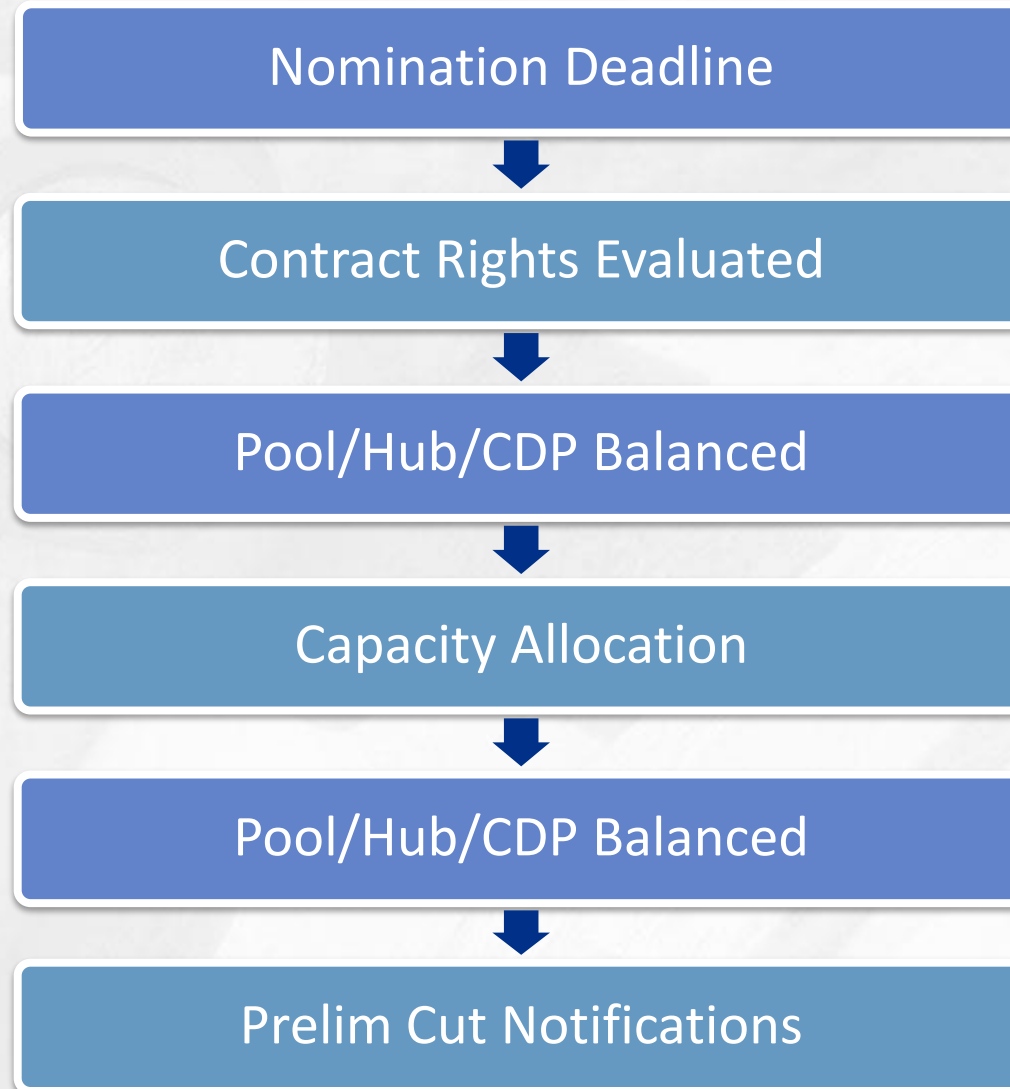
- Service impacts are estimates. Actual nominations, markets, weather and pipeline conditions will determine any level of curtailments.
- Projects may be added, altered, delayed or cancelled. Emergent work cannot be planned and will happen from time to time.
- Notice of such planned work, including additions 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

# ANR GEMS – Cycle Process

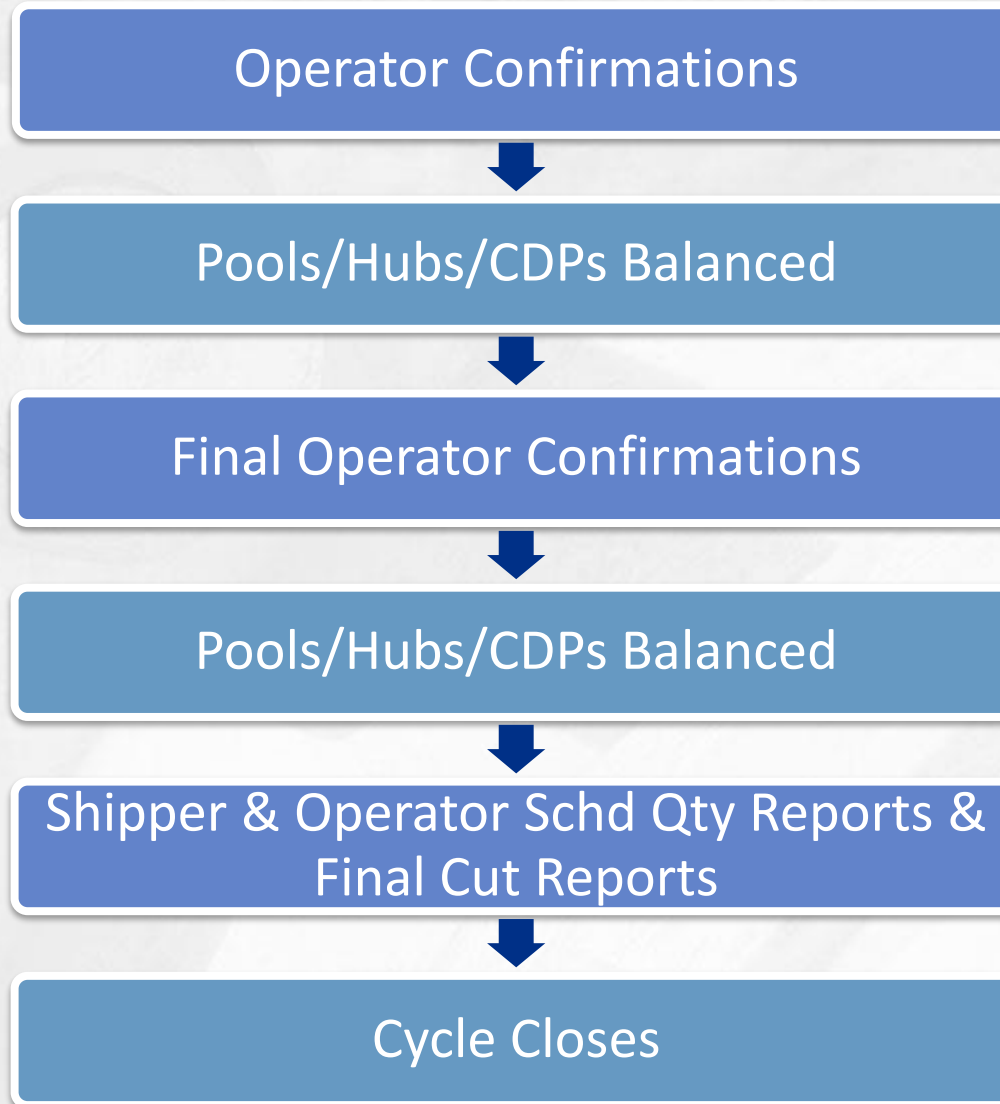
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# ANR GEMS – Cycle Process

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# Reduction Reason Codes

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- Evaluating Contractual Rights – Exceeds Contract MDQ (ECM)
  - Invalid segmentation
  - Over MDQ per contract
  - If a shipper wants to nominate over MDQ, the OVR transaction type must be used
- Balancing of Pools/Hubs/CDPs – Contract Balancing (CBL)
  - Can be CBL – R for receipt side cut or CBL – D for delivery side cut
  - PMK cut codes show a delivery side cut, so shouldn't be used to determine which direction cut is coming from
- Capacity Allocation – Pipeline Capacity Constraint (PCC)
  - Cuts for over nominated locations are first determined by priority
  - Cuts as each priority are made by price then rank
  - Can be PCC – R for receipt location cut or PCC – D for delivery location cut
- Operator Confirmations – Confirming Party Reduction at Receipt (PRR), Confirming Party Reduction at Delivery (PRD), Confirmation Not Received (CRN)
  - Locations are either passive (accepts ANR's volume) or active (actively confirms)

# ANR Customer Assistance

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For further customer assistance concerning scheduling priorities related to your specific firm service agreements(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@transcanada.com](mailto:ANR_Noms_Scheduling@transcanada.com)

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