ANR Monthly Customer Update

January 2019





- Always inspect your ladder before using
- Always use the right ladder for the right job
- Don't set your ladder in a walkway or door opening
- Don't lean/reach to the side when on a ladder
- Don't carry tools or materials on a ladder, use both hands when climbing
- Always face the ladder



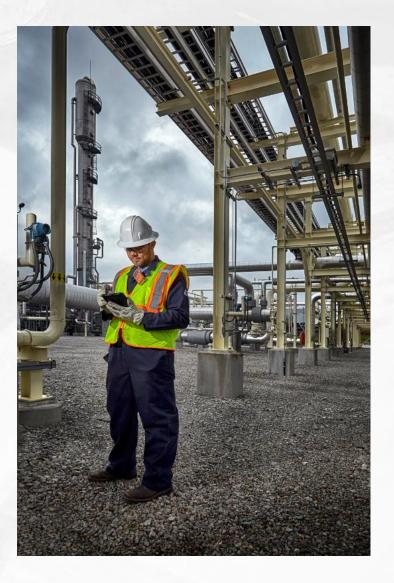
Agenda

Storage Update

Jeff Keck, Operations Planning **Operational Update** Alfred F. DeGrazia Jr., Gas Control & Planning

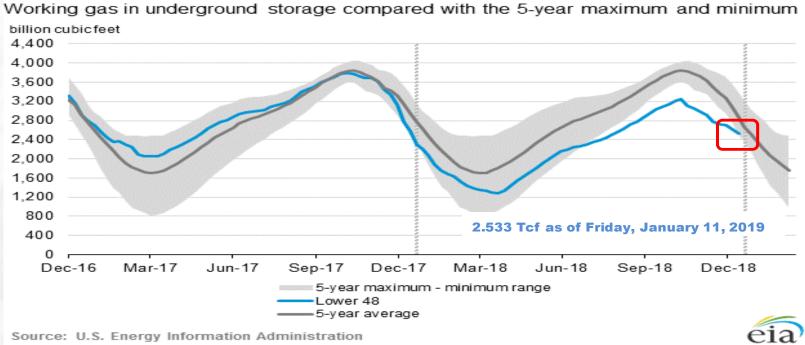
Noms & Scheduling

Ralph Del Rio, Noms & Scheduling



Storage Update Jeff Keck – Operations Planning

EIA Storage Position: The Big Picture

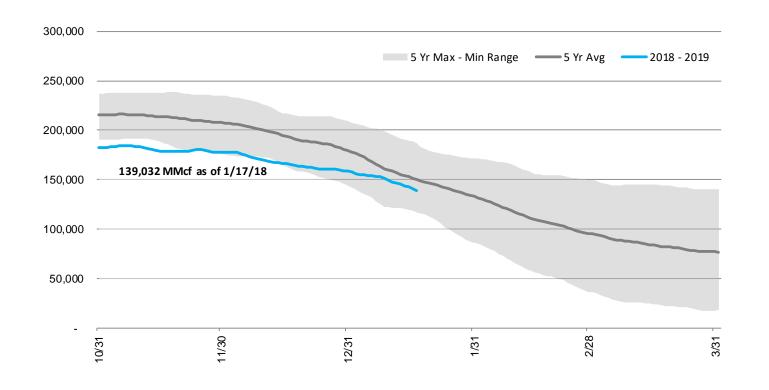


Source: U.S. Energy Information Administration

DATE	ANR's Reported EIA Storage Inventory (MMcf)	
1/11/2019	142,417	
1/12/2018	144,241	
1/13/2017	170,728	

Storage Position

Working gas in underground storage compared with the 5-year maximum and minimum

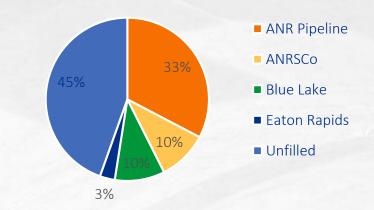


Storage Inventory – 2018 v 2019

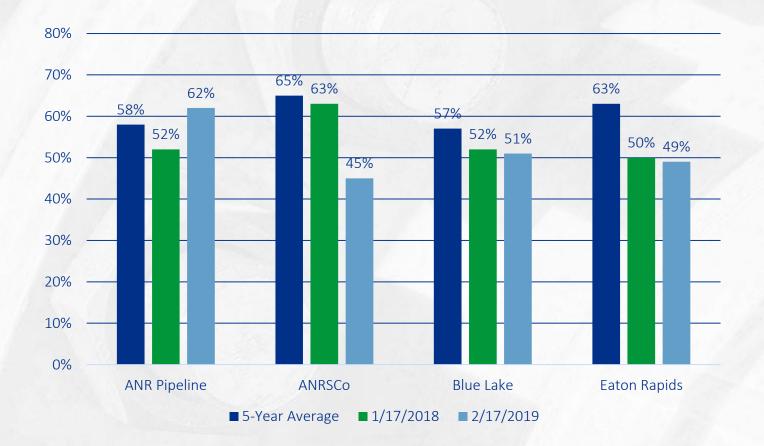
100%

90%

Percent of Certificated Storage Capacity



Physical Inventory Positions as of January 17



Percent of Storage Capacity	2018 Percent Full	YOY Difference (2018 – 2019) January 17th
ANR Pipeline	62%	9.8%
ANRSCo	45%	-18%
Blue Lake	51%	-0.8%
Eaton Rapids	49%	-1.2%

Storage Operations

The current volume in storage is below the five year average level by about 10-Bcf. It is well above the previous 5-year minimum and is close to the 5-year average.

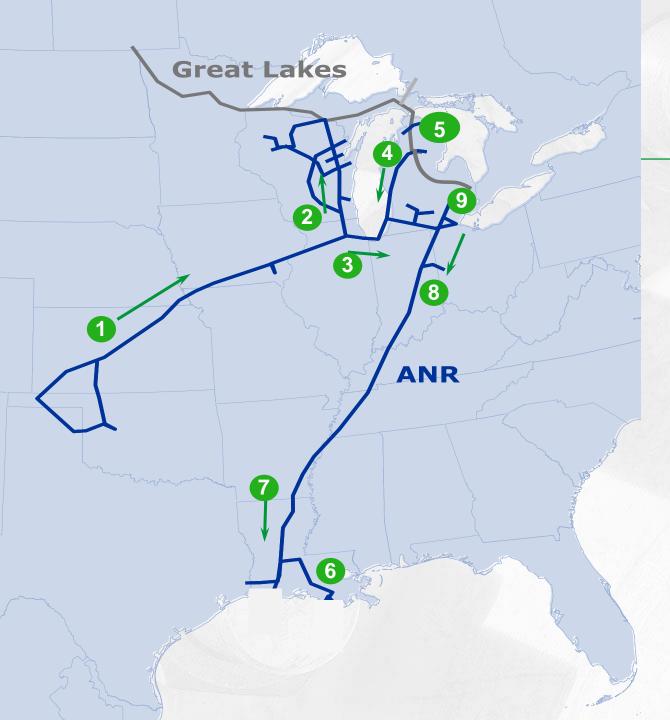
From December 16th through January 17th storage activity averaged a withdrawal of about 850-MMcf/d. There have been significant swings due to weather. This has caused injection as high as 0.1-Bcf/d and withdrawal as high as 1.7-Bcf/d. There was a withdrawal of about 2.6-Bcf/d this week.

ANR met all firm customer demand for injection & withdrawal during this period.

Capacity is 55% full after 2-1/2 months of the winter season (the half way point).

Cold-than-normal weather is projected through early February. Strong withdrawals are expected.

Operational Update Al DeGrazia Jr. – Gas Control & Operations Planning



ANR December Average Daily System Flows

- **1** SWML Northbound: 612-MDth/d
- Wisconsin deliveries: 1,292-MDth/d

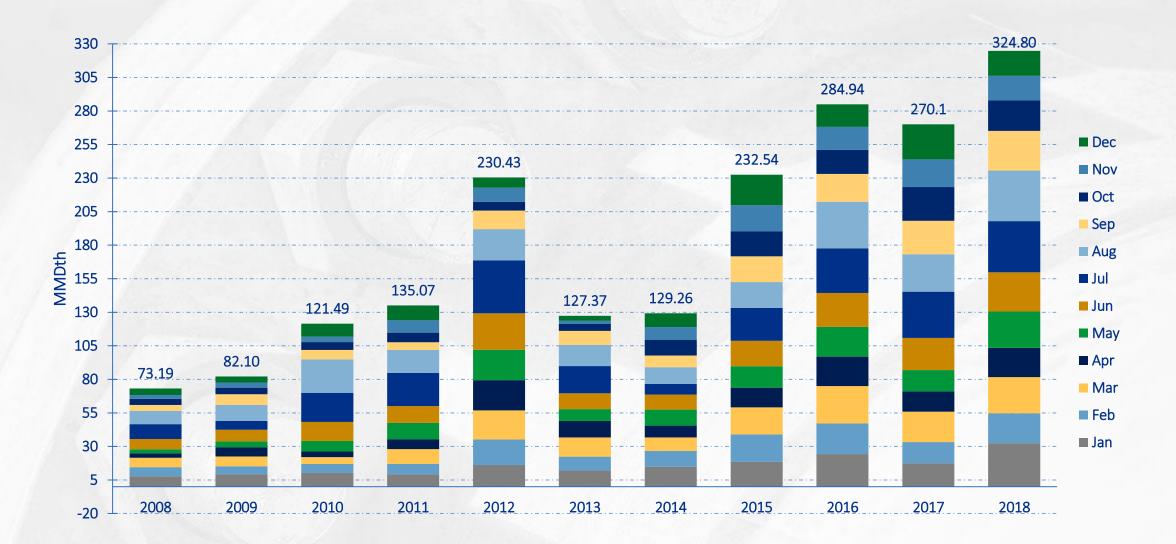
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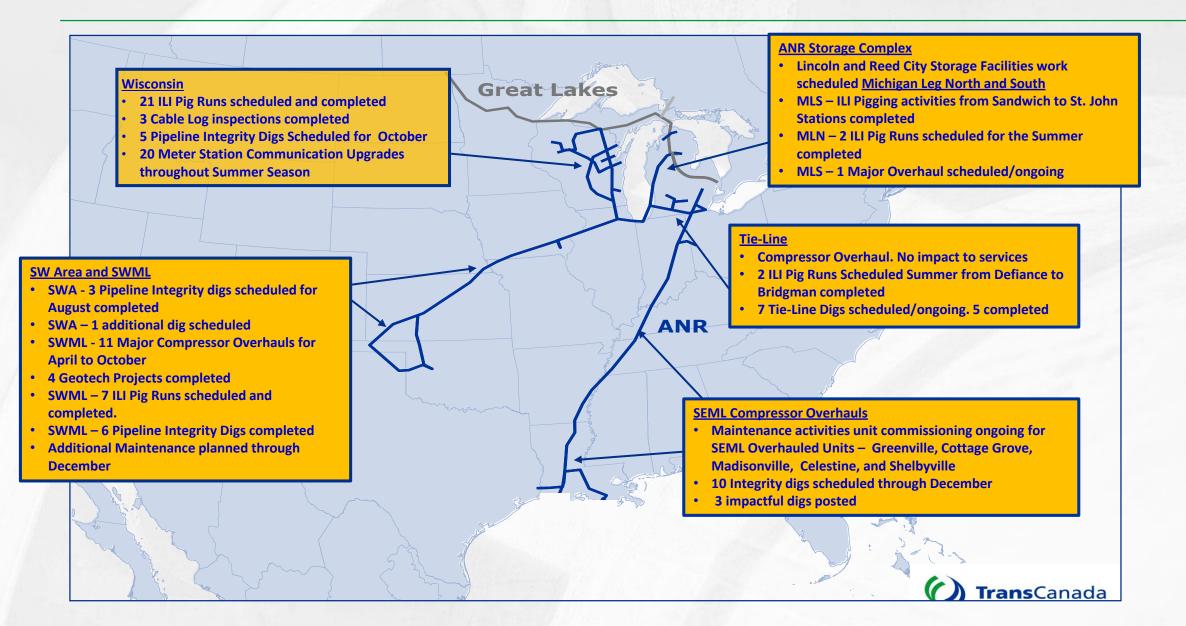
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- Michigan Leg South flows through St. John averaged 339-MDth per day in the eastbound direction
- The Woolfolk Southbound location averaged 349-MDth net withdrawal southbound
- **5** ANRPL Storage withdrawals averaged 538-MDth/d. This does not include Storage Company, Blue Lake, or Eaton Rapids third party activity.
- In the Southeast Area, offshore receipts at Patterson averaged 195-MDth/d and deliveries averaged 806-MDth/d between Eunice and Patterson and Eunice and Grand Chenier
 - Flows along the south end of the Southeast Mainline averaged 974-MDth/d southbound through the Jena Compressor Station.
- On the north end of the Southeast Mainline, REX Shelbyville receipts averaged 699-MDth/d. Flows southbound through Defiance averaged 376-MDth/d. Westrick Interconnect averaged 1,274-MDth/d
 - Deliveries to MichCon at Willow Run averaged 548-MDth/d

ANR Monthly Deliveries to Power Plants



2018 ANR Mainline Maintenance Projects Recap



ANR Posted Capacity Impacts January 2019

Eunice Total Delivery Point Capacity DRN #505592 PSO ID #9000 1000-MMcf/d 12/18 – 1/31

<u>Jena Southbound Capacity DRN #99505489 CN ID #9034</u> 0-MMcf/d (leaving 1,170-MMcf/d available) 1/17 – 1/22 170-MMcf/d (leaving 1,000-MMcf/d available) 1/23 – 2/17

Eunice Eastbound Capacity DRN #99505489 PSO ID #8993 40-MMcf/d (leaving 548-MMcf/d available) 12/18 - 3/31

<u>Southwest Mainline – DRN #226630 PSO ID # 9029</u> 20-MMcf/d (leaving 710-MMcf/d available) 1/22 – 1/27 90-MMcf/d (leaving 640-MMcf/d available) 1/28 – 1/31 20-MMcf/d (leaving 710-MMcf/d available) 2/1 – 2/28

Southwest Area – CN ID # 9038 Unplanned compressor maintenance at the Mooreland Compressor Station 1/22 – 2/5

<u>Southwest Area – CN ID # 9040</u> Critical Period – Physical flow quantities at receipt locations must match scheduled quantities 1/22 – 1/31

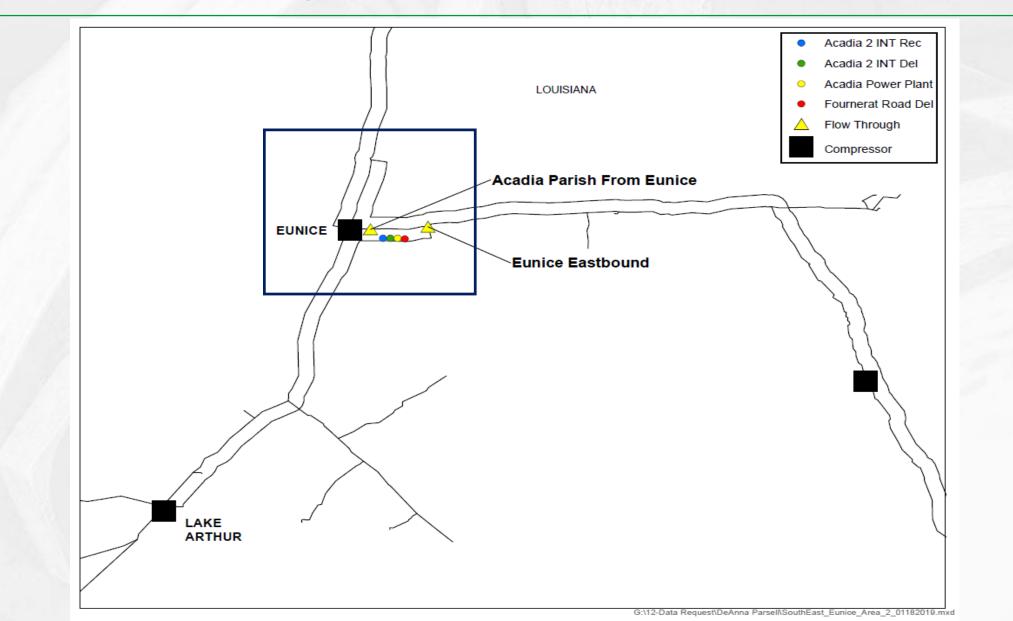
Grand Chenier LRC DRN #505592 PSO ID #8999 Scheduling Firm Primary only nominations 12/14 – 3/31

Outage Postings

- Service impacts are estimates. Actual nominations, markets, weather and pipeline conditions with 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 and 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 Ralph Del Rio – Noms and Scheduling

Southeast Area Update



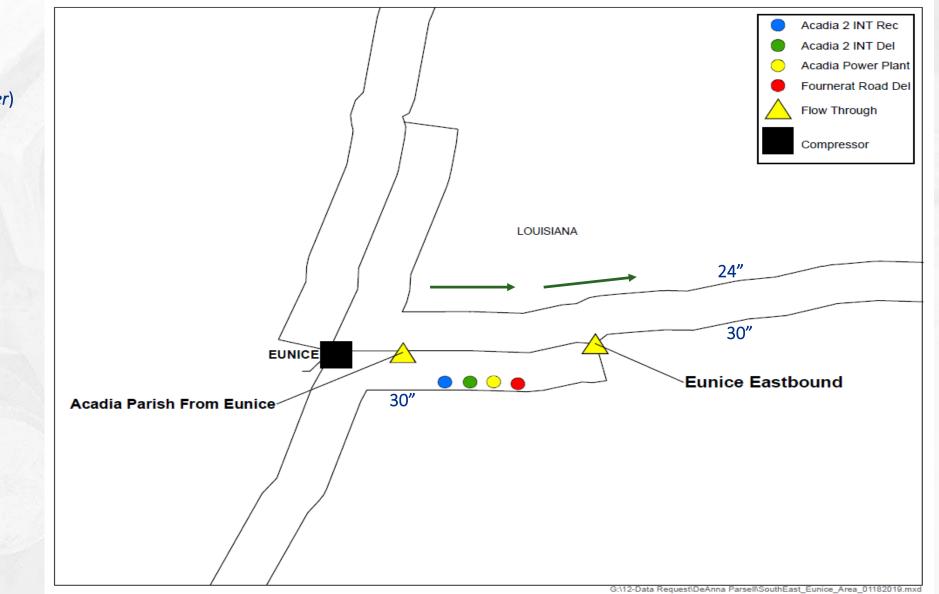
Southeast Area Update



- Acadia 2 (Kinder Morgan LA)
- Acadia Power Plant (*Cleco Power*)
- Fournerat RD (Florida Gas)

ANR Flow Throughs:

- Acadia Parish From Eunice
- Eunice Eastbound



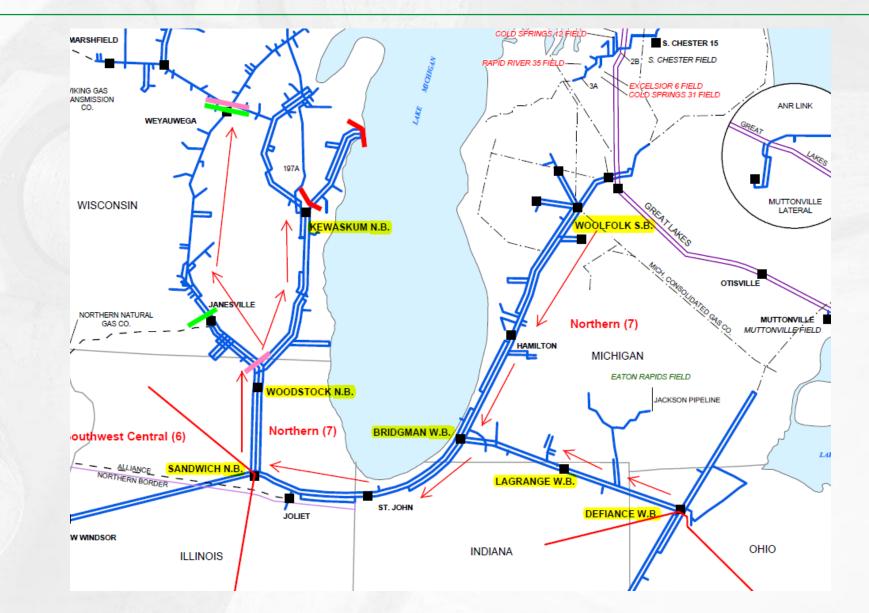
Market Area Zone 7 CFTPs

Wisconsin:

- Sandwich Northbound
- Woodstock Northbound
- Kewaskum Northbound
- Two Rivers Lateral (Group)
- Madison Lateral (Group)
- Madison Lateral North (Group)

Others:

- Defiance Westbound
- Lagrange Westbound
- Woolfolk Southbound
- Bridgman Westbound



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: <u>ANR Noms Scheduling@transcanada.com</u>

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