



ANR Monthly Customer Update

March 2019





Safety Moment

Food Safety

- Clean – Wash hands and surfaces often; rinse fresh fruits & vegetables
- Separate – Don't cross-contaminate
- Cook – Cook to proper temperatures
- Chill – Refrigerate promptly
- Shopping – Watch dates
- Thawing – Refrigerator, cold water & microwave
- Storage – Discard any food left out more than 2 hours; use leftovers within 3-4 days



Agenda

Storage Update

Jeff Keck, Operations Planning

Operational Update

Al DeGrazia Jr., Gas Control & Planning

Noms & Scheduling

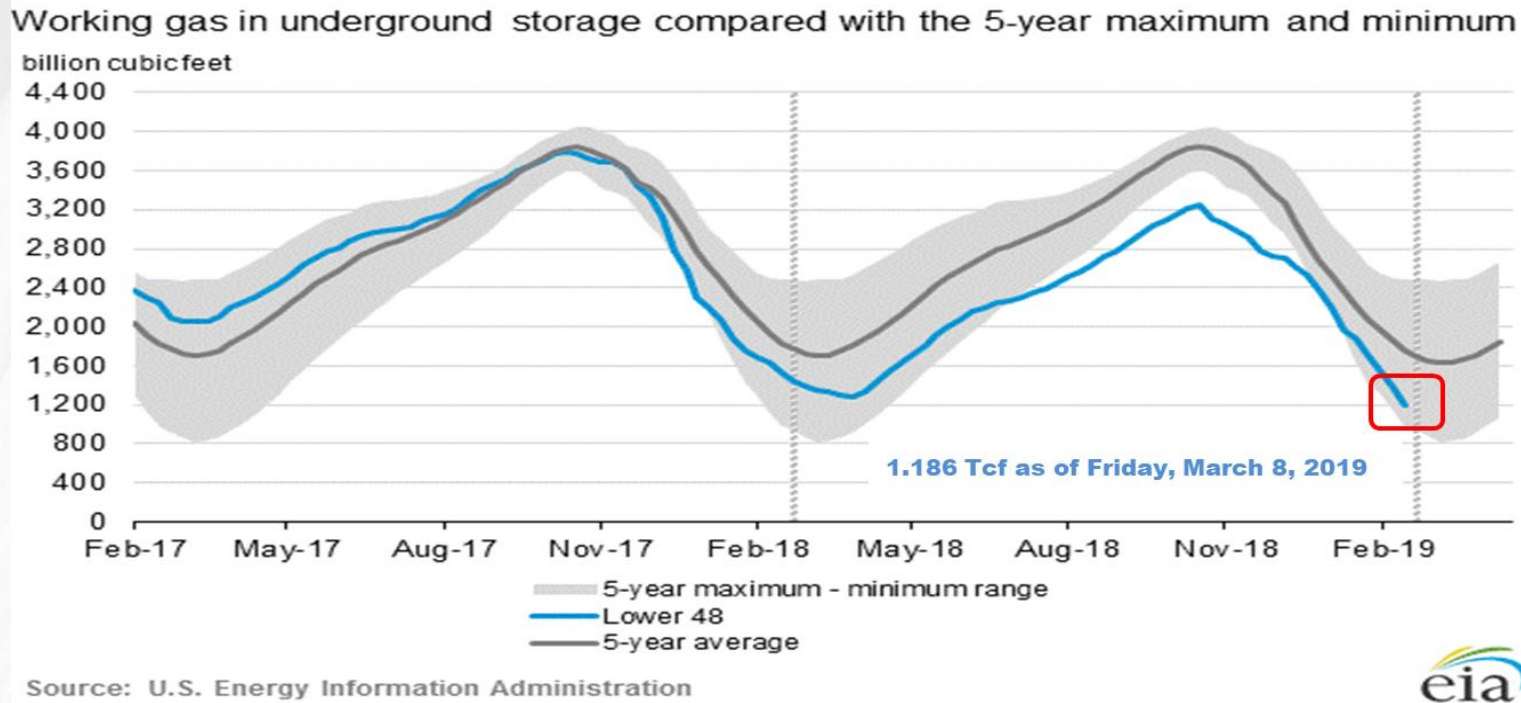
DeAnna Parsell, Noms & Scheduling





Jeff Keck, Operations Planning

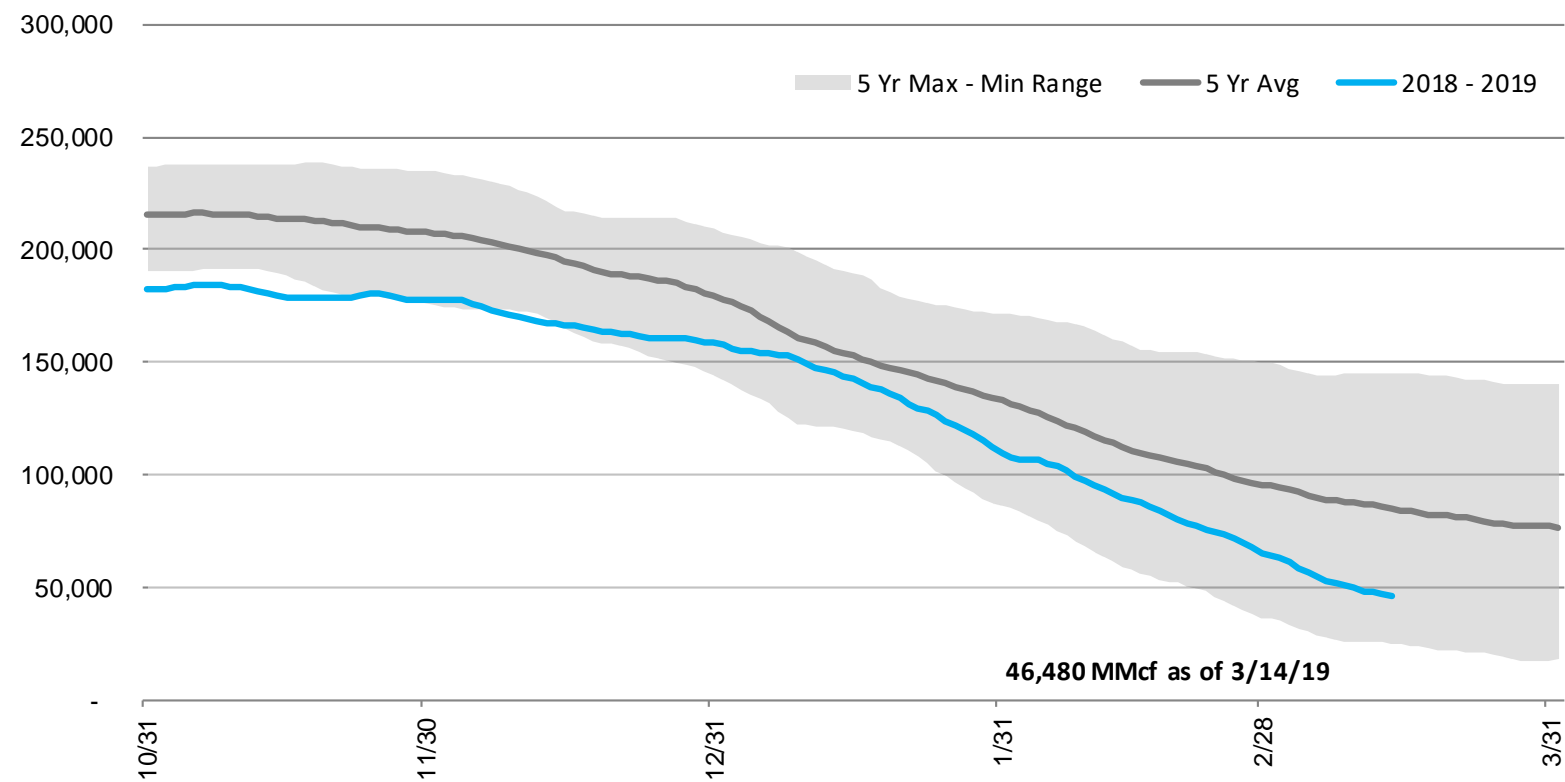
EIA Storage Position: The Big Picture



Date	ANR's Reported EIA Storage Inventory (MMcf)
3/8/2019	50,192
3/9/2018	62,110
3/10/2017	139,430

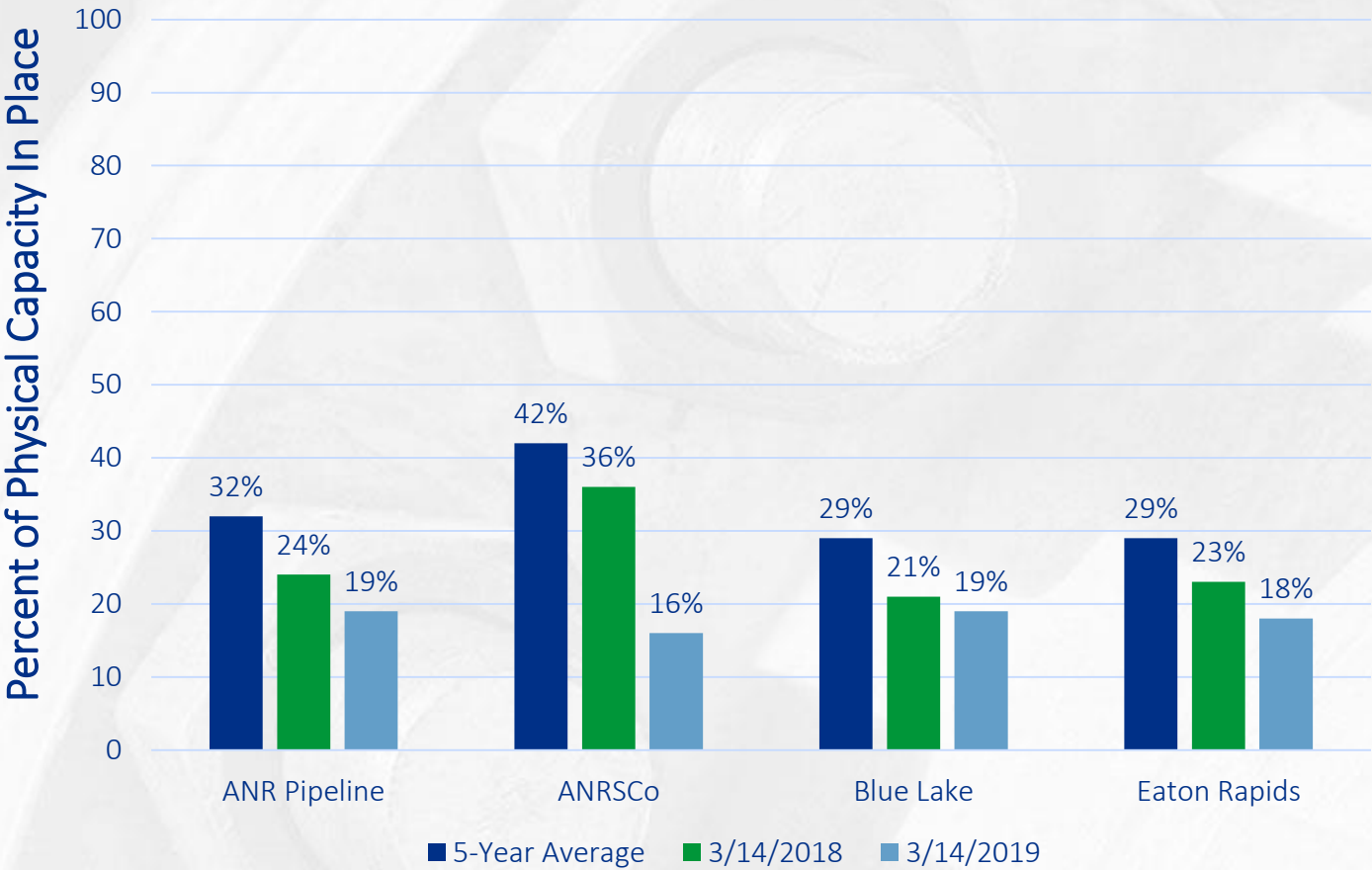
Storage Position

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

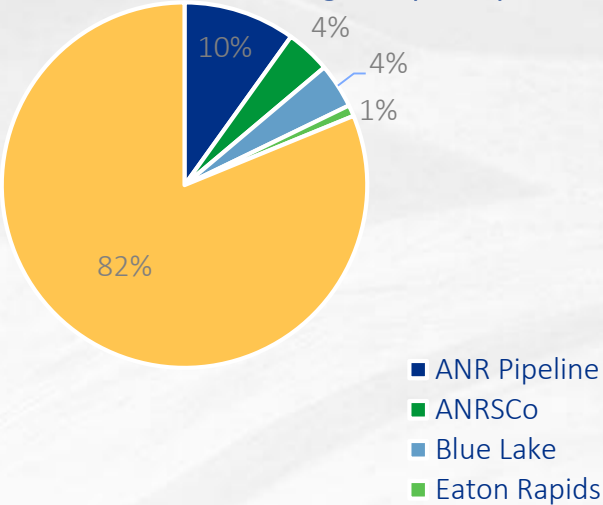


Storage Inventory – 2018 v 2019

Physical Inventory Positions as of March 14th



Percentage of Certificated Storage Capacity



Percent of Storage Capacity	2018 Percent Full	YOY Difference (2019 – 2018) March 14th
ANR Pipeline	19%	-5.2%
ANRSCo	16%	-19.8%
Blue Lake	19%	-1.9%
Eaton Rapids	18%	-5.0%

Storage Operations

- The current volume in storage is below the five year average level by almost 40-Bcf. It is still above the previous 5-year minimum.
- From February 14th through March 14th storage activity averaged a withdrawal of about 1.5-Bcf/d, which was fairly strong for that period. There have been significant swings due to weather. This has caused withdrawal as low as 0.4-Bcf/d and as high as 2.4-Bcf/d.
- ANR met all firm customer demand for injection & withdrawal during this period.
- Capacity is 18% full after 4-1/2 months of the winter season.
- Mostly normal weather is projected over the next couple of weeks so withdrawals are expected to be more moderate. Preparations continue for summer injections, so ANR will work to maintain capacity for both withdrawal & injection over the next few weeks.



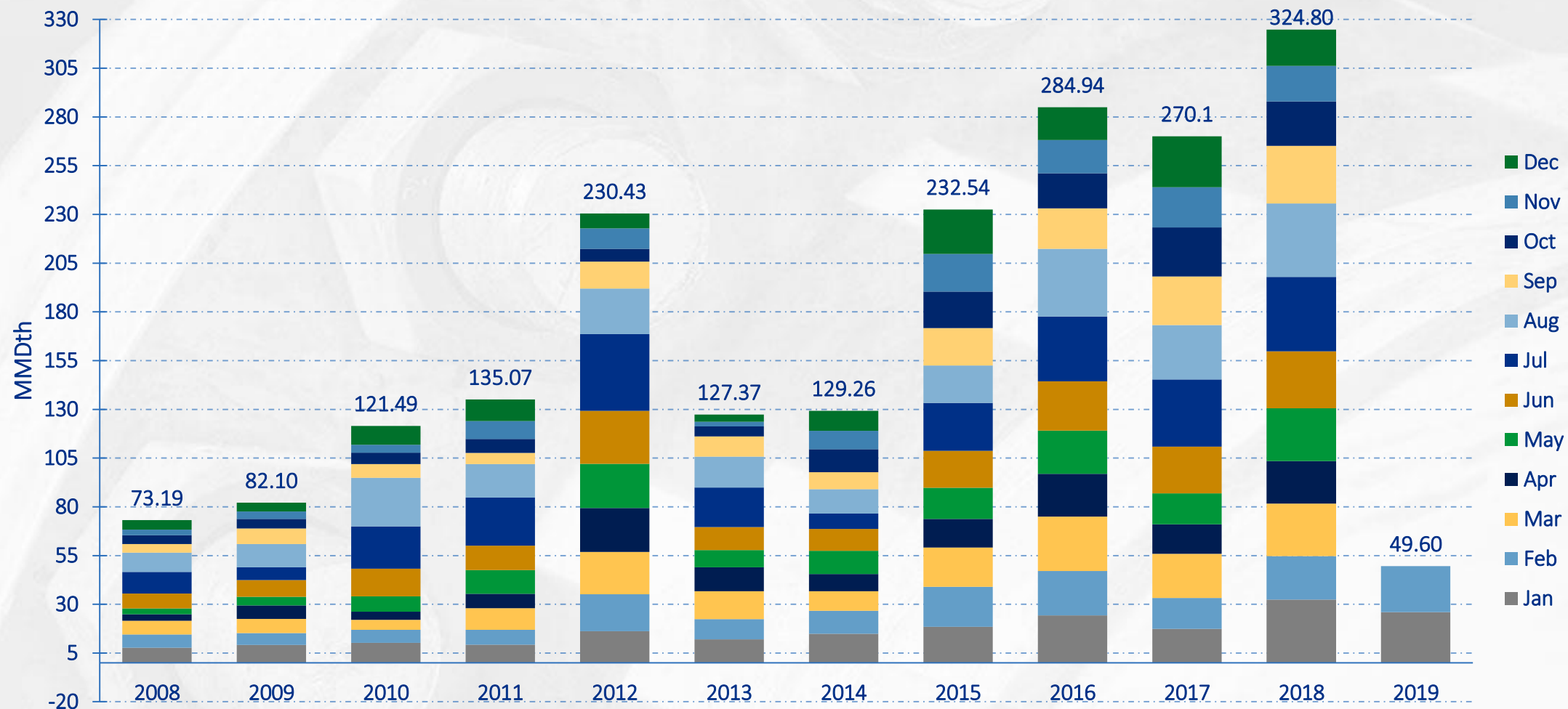
Al DeGrazia Jr., Gas Control & Planning

ANR February Average Daily System Flows

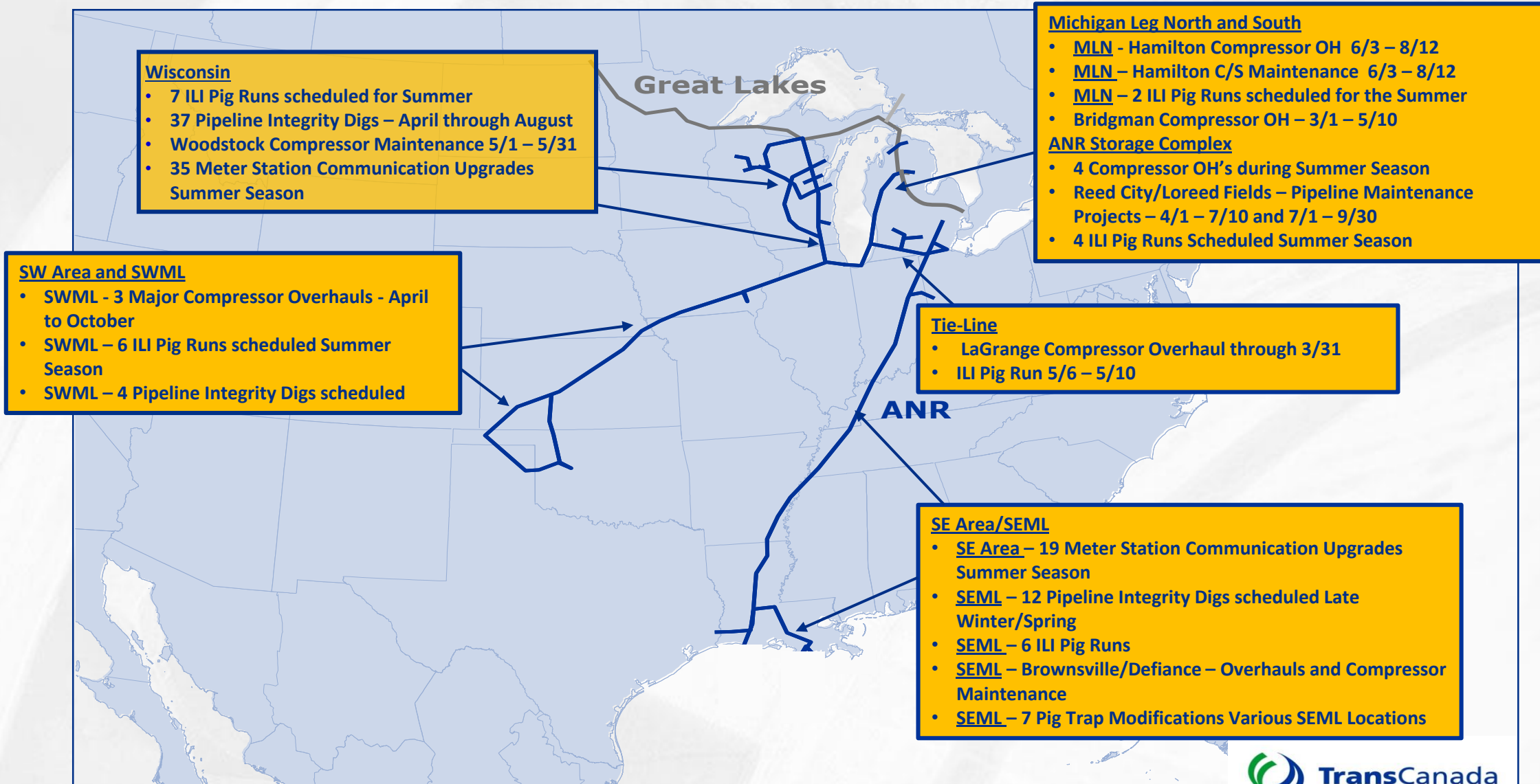


- 1 SWML Northbound: 571-MDth/d
- 2 Wisconsin deliveries: 1,599-MDth/d
- 3 Michigan Leg South flows through St. John averaged 669-MDth per day in the westbound direction
- 4 The Woolfolk Southbound location averaged 1,245-MDth withdrawal southbound
- 5 ANRPL Storage withdrawals averaged 1,333-MDth/d. This does not include Storage Company, Blue Lake, or Eaton Rapids third party activity.
- 6 In the Southeast Area, offshore receipts at Patterson averaged 275-MDth/d and deliveries averaged 880-MDth/d between Eunice and Patterson and Eunice and Grand Chenier
- 7 Flows along the south end of the Southeast Mainline averaged 906-MDth/d southbound through the Jena Compressor Station.
- 8 On the north end of the Southeast Mainline, REX Shelbyville receipts averaged 476-MDth/d. Flows southbound through Defiance averaged 414-MDth/d. Westrick Interconnect averaged 1,334-MDth/d
- 9 Deliveries to MichCon at Willow Run averaged 235-MDth/d

ANR Monthly Deliveries to Power Plants



2019 ANR Mainline Maintenance Projects



ANR Posted Capacity Impacts March 2019

Eunice Total Delivery Point Capacity (LOC #505592) CN ID #9100

Scheduling 1000-MMcf/d 3/1 - 3/31

Cottage Grove Southbound Capacity (LOC #505614) PSO ID #9123

325-MMcf/d (leaving 900-MMcf/d available) 3/19 – 3/28

Grand Chenier LRC (LOC #7695) CN ID #8999

Scheduling Firm Primary only nominations 12/14 – 3/31

Janesville NNG (LOC #28808) PSO ID #9145

Point is shut-in for planned pipeline maintenance 3/26 – 3/28

Outage Postings

- 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 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.

The background is a dark blue gradient. Overlaid on this is a faint, high-contrast image of a mechanical assembly. It features a large gear with several teeth visible, and three hexagonal bolts or nuts are positioned around it, one in the upper left, one in the lower left, and one in the upper right. The overall aesthetic is industrial and technical.

DeAnna Parsell, Noms & Scheduling

Coming Soon! – ANRPL Annual Customer Survey

- ANRPL Annual Survey with Energy Insights
- Participation email to the customers will go out on 4/11/19
- Survey deadline is 6/06/19
- Your feedback is vital to our level of customer service
- Contact: ralph_delrio@transcanada.com



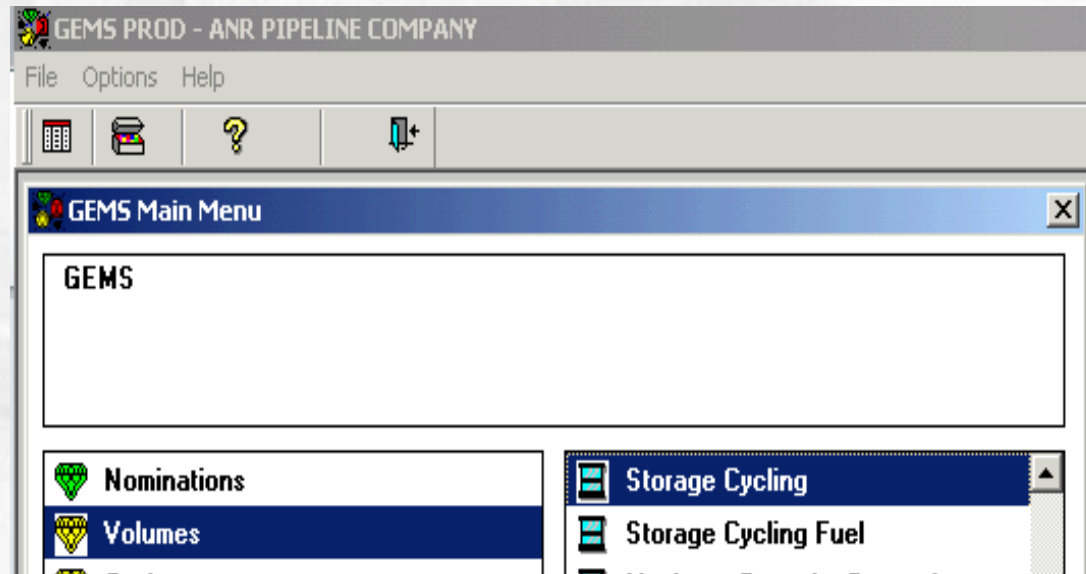
Your Opinion Counts

Storage: Cycling of Gas

- Cycling of Gas applies to Rate Schedule FSS as indicated in ANRPL's Tariff under Part 5.12.6 Paragraph 3.
- Cycling of Gas does not create additional firm rights.
- Seasonal Contracts – Shipper has right to withdraw up to their Contract MSQ.
- Annual Contracts – may inject or withdraw any day of the Storage contract year, provided they do not withdraw in excess of their current available inventory or inject quantities above the MSQ.
- Annual Cycling is permitted up to 1.42 times the MSQ physical withdrawal scheduled, and if any Shipper with a Base MDWQ between 1/10-1/49 of its MSQ, the respective Injection Period and Withdrawal Period quantities shall be equal to the quotient divided by the sum of (a) the Shipper's MSQ divided by its Base MDWQ; and (b) the Shipper's MSQ divided by its Base MDIQ.
- Once the total withdrawal activity for a Cycling year exceeds $1.42 \times \text{MSQ}$, then all subsequent withdrawal activity would be assessed as Overrun for Cycling of Gas at the Overrun rate.

Storage: Cycling of Gas

GEMS → Main Menu → Volumes → Storage Cycling

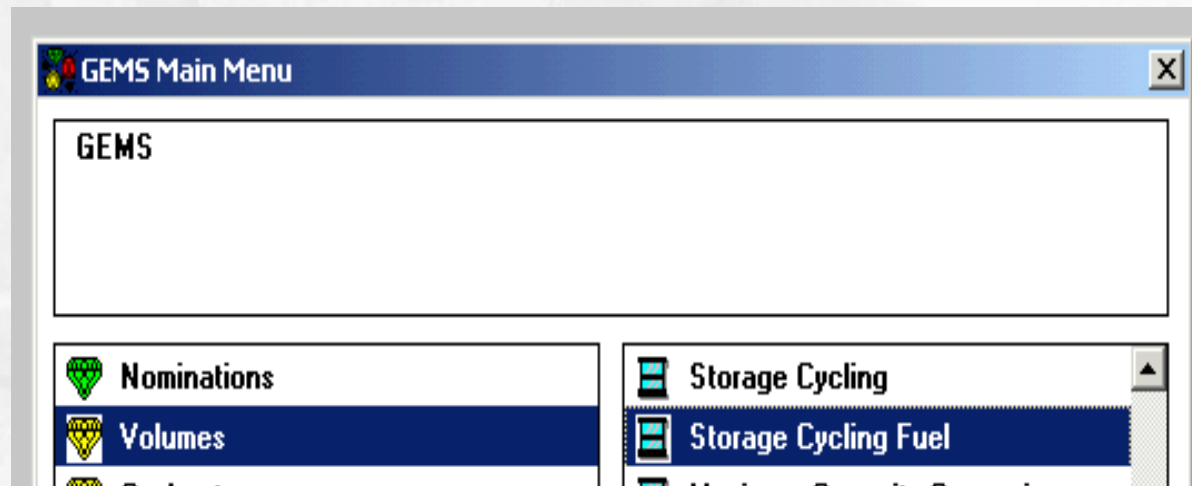


Storage Cycling Fuel - Reminder

- Cycling Fuel Assessment applies on Rate Schedules FSS and STS as indicated in ANRPL's Tariff under Part 5.12.3 Paragraph 7 and Part 5.2.3 Paragraph 6.
- The quantity of Gas equal to Transporter's Use (%) times the quantity of Working Storage Gas in excess of 20% of Shipper's MSQ at the end of the Winter Period.
- Cycling Fuel rate will equal the April 1 rate of the current calendar year. The Cycling Fuel quantities will be assessed from the Shipper's applicable storage account.


Storage Cycling Fuel - Reminder

GEMS → Main Menu → Volumes → Storage Cycling Fuel



ANRPL Transporters Use (%) – April 2019

- ANRPL Annual FERC Filing for updated Transporters Use (%) which is available on ANRPL's website under "Quick Links," then under the Rates and Filings section, select the "FERC Filings" link to view all filings, then select the .pdf.
- This filing is awaiting FERC approval which is expected anytime prior to April 1, 2019.
- ANRPL will post a Critical Notice indicating when the approved rates have been updated in GEMS for Nominations.
- Until this Notice is available, please refrain from submitting nominations in GEMS for April 2019 and forward.



ANR HOME | C

Informational Postings

Capacity

Gas Quality

Index of Customers

Locations

Notices

Posted Imbalances

Regulatory |

Standards of Conduct

Tariff

Transactional Reporting

Notice Search

Meter Request Process

Other

Downloads

System Maps

Search Tariff

Current FERC Filings From ANR Pipeline

File Name	Size	Posted
anr wps non-conf agmt.pdf	1196416	3/1/2019 8:55:43 AM
anr wise agreements filing april.pdf	1172464	3/1/2019 8:55:42 AM
2-28-19 anr 2019 fuel filing app c vol 2.pdf	19599600	2/28/2019 1:35:13 PM
2-28-19 anr 2019 fuel filing app c vol-1.pdf	18367771	2/28/2019 1:35:08 PM
2-28-19 anr 2019 fuel filing.pdf	529844	2/28/2019 1:35:07 PM
anrpipelineformno501-greport.pdf	262914	12/6/2018 2:35:52 PM

ANR Pipeline has implemented electronic service of its FERC filings. To be added to the electronic distribution list, please click ANReService@TransCanada.com and enter your Company Name, Contact, Title, Party Represented (if different), Address, Telephone Number and E-mail Address

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@transcanada.com

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