

## Safety moment

#### Sun safety tips from the CDC:

- Ultraviolet radiation can damage your skin in as little as 15 minutes
- Try to stay in the shade
- Wear sun glasses rated to block UVA and UVB rays
- Wear long sleeve clothing and a hat with a wide brim to protect your ears and neck
- Use sunscreen that is at least SPF 15 (the higher the better) and reapply it often (at least every two hours)



## Agenda

#### **Storage Update**

Jeffery Keck, Operations Planning

#### **Operational Update**

Michael Gosselin, Gas Control & Planning

#### **Noms & Scheduling**

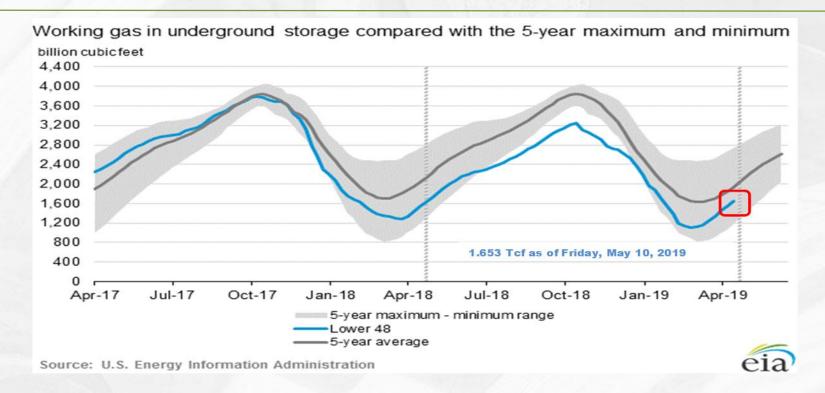
DeAnna Parsell, Noms & Scheduling

#### **Questions**





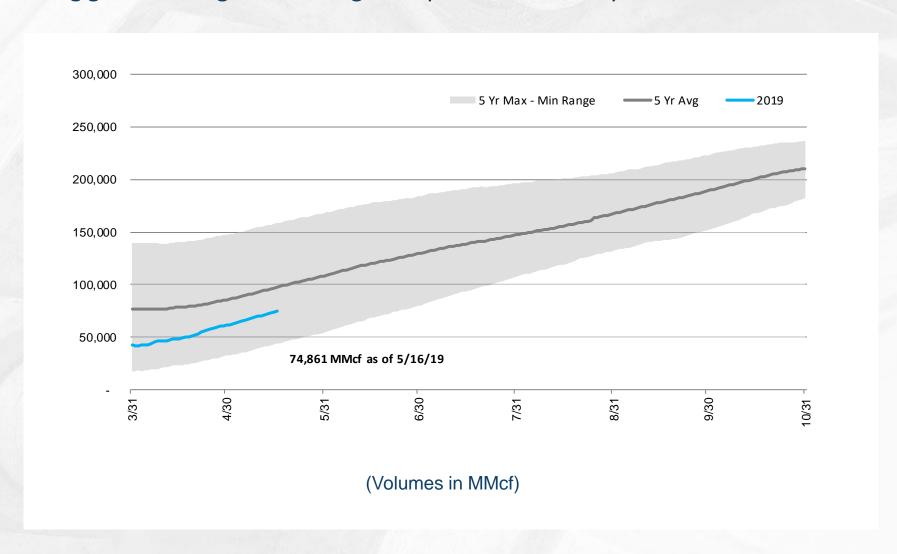
#### **EIA Storage Position: The Big Picture**



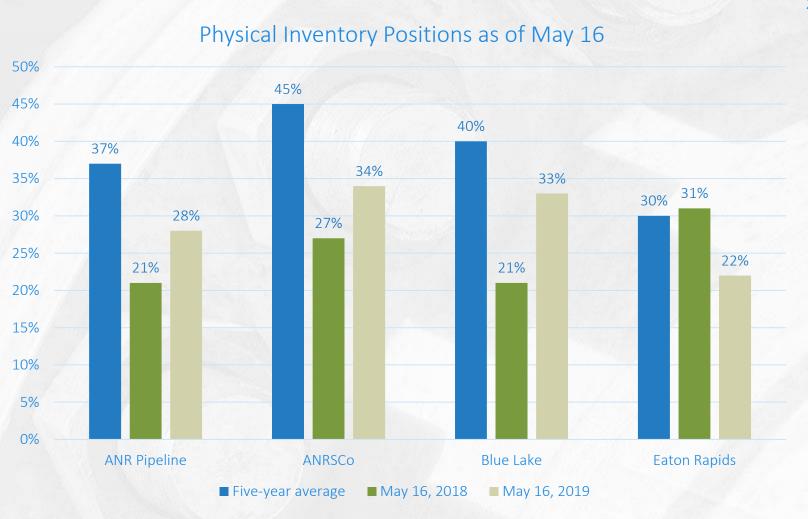
Date	ANR's Reported EIA Storage Inventory (MMcf)
May 10, 2019	66,323
May 11, 2018	48,916
May 12, 2017	146,410

#### **Storage Position**

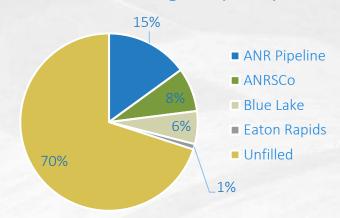
Working gas in underground storage compared with the 5-year maximum and minimum



## Storage Inventory – 2019 vs. 2018



#### % of Certificated Storage Capacity



Percent of Storage Capacity	2018 Percent Full	YOY Difference (2018-19) May 16
ANR Pipeline	28%	6.4%
ANRSCo	34%	6.4%
Blue Lake	33%	12%
Eaton Rapids	22%	-8.8%

#### **Storage Operations**

- The current volume in storage is below the five-year average level by about 23-Bcf. It is getting closer to the five-year average and is well above the five-year minimum.
- From Wednesday, April 17, through Thursday, May 16, storage activity averaged an injection of almost 875-MMcf/d, which reflects a fairly strong injection pattern. While injections have been consistent, they have varied from about 660-MMcf/d up to about 1.2-Bcf/d.
- ANR met all firm customer demand for storage activity during this period.
- Capacity is 30 percent full after 1-1/2 months of the summer season.
- Strong injections are expected over the next month. ANR believes it is positioned well to meet all firm demand for injection.

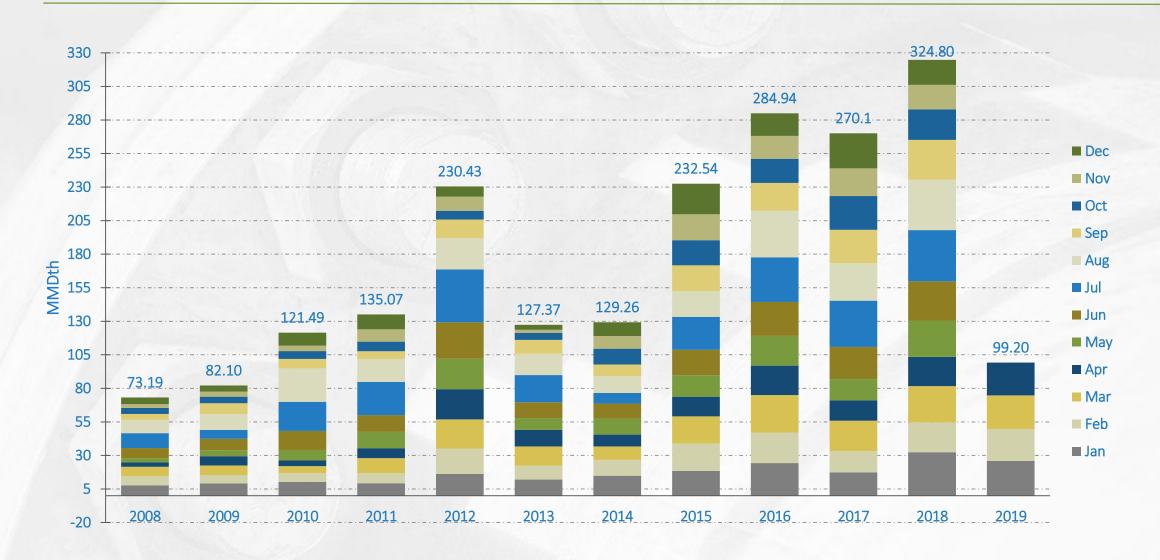




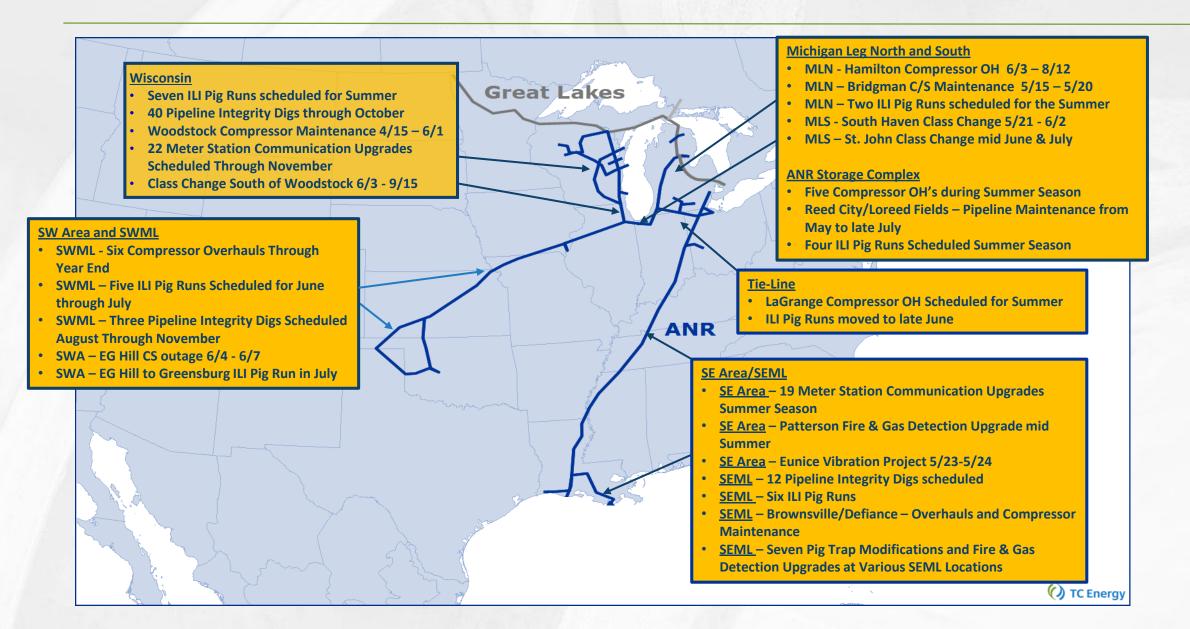
## **ANR April Average Daily System Flows**

- 1 SWML Northbound flowed 94 percent full, with scheduled volumes averaging 661-MDth/d.
- 2 Wisconsin deliveries averaged 700-MDth/d.
- 3 Michigan Leg South through St. John transitioned to an eastbound flow with a average volume of 624MDth/d.
- Woolfolk transitioned primarily to a northbound flow to storage, with a few days of weak southbound flow. Overall, the segment averaged a northbound flow of 592MDth/d.
- ANR Pipeline storage transitioned primarily to injection with a few days of modest withdrawal early in the month. Overall, the segment averaged an injection of 555-MDth/d.
- Deliveries between Eunice and Patterson averaged 956-MDth/d, Eunice Southbound averaged 105-MDth/d and deliveries to Duralde averaged 292-MMcf/d. ANR received 249-MDth/d from offshore at Patterson.
- 7 Southbound flows through Jena averaged 1132-MDth/d.
- 8 REX Shelbyville receipts averaged 690-MDth/d and Westrick Interconnect averaged 1482-MDth/d.
- 9 Deliveries to MichCon at Willow Run averaged 580-MDth/d.

## **ANR Monthly Deliveries to Power Plants**



## **2019 ANR Mainline Maintenance Projects**



## **ANR Posted Capacity Impacts May 2019**

#### Bridgman Northbound (LOC #226632) CN ID #9219

40-MMcf/d (leaving 1561-MMcf/d available) May 21 – June 2

325-MMcf/d (leaving 1276-MMcf/d available) June 3 – August 12

#### Woodstock Northbound (LOC #226636) CN ID #9231

Capacity Reduced to 856-MMcf/d May 9 - June 1

#### SWML Northbound (LOC#226630) CN ID #9237

35-MMcf/d (leaving 654-MMcf/d available) May 15 – 22

70-MMcf/d (leaving 619-MMcf/d available) May 23

35-MMcf/d (leaving 654-MMcf/d available) May 24 - 31

## **ANR Posted Capacity Impacts April 2019**

Jena Southbound (LOC #9505489) CN ID #9239

220-MMcf/d (leaving 960-MMcf/d available) May 20 - 24

**Brownsville Southbound (LOC #1260569) CN ID #9240** 

230-MMcf/d (leaving 900-MMcf/d available) May 20 - 24

## **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 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.



## **Current Period/Prior Period Adjustments (Retros)**

#### Valid scenarios for retro requests:

- Volume or quantity changes- non pipeline capacity constraint reductions (PCC)
- Transportation/storage contract changes
- Up/Dn K (contract) or Up/Dn ID (entity) changes
- Gas day, Rec/Del location changes
- Inadvertent allocated overrun (transport or storage)
- Shifting of previously scheduled quantities

## **Current Period/Prior Period Adjustments (Retros)**

#### Invalid scenarios for retro requests:

- Nomination reductions due to valid PCC reductions
- New nominations that were not submitted
- Payback to/from (PTO/PFR) nominations that keep supply or markets whole
- Retro requests at transfer points depending on complexity at ANR's discretion
- Retro requests without appropriate approvals
- Retro requests older than six months

## **Current Period/Prior Period Adjustments (Retros)**

#### Required Information for adjustments to be considered:

- All requests should be sent via email and include ALL parties that need to approve
- Instant message requests and phone requests are not acceptable
- Subject line should include: entity (requester), gas day and "retro request"
- Include required details such as: nom ids, before and after volumes (and specify receipt or delivery), explanation of issue, gas day, month

## **ANRPL Annual Survey with Energy Insights**

• El Survey deadline is Thursday, May 23

Your participation and feedback are vital to our level of customer service

• Survey contact: <a href="mailto:ralph\_delrio@transcanada.com">ralph\_delrio@transcanada.com</a>

# 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@transcanada.com

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