



ANR Monthly Customer Update

July 2019



Safety Moment – Water safety

- Swim in designated areas supervised by lifeguards
- Always swim with a buddy; **do not swim alone**
- Never leave a young child unattended near water
- Have young children, or inexperienced swimmers, wear life jackets around water; but do not rely on life jackets alone
- If you have a pool, secure it with appropriate barriers
- Avoid distractions when supervising children around water
- Don't dive in unfamiliar areas
- If you get caught in a current, don't try and fight it; stay calm and float with it or swim parallel to the shore
- Make sure the body of water matches your skill level
- Learn CPR

Agenda

Storage Update

Jeffery Keck, Operations Planning


Operational Update

Michael Gosselin, Gas Control & Planning

Noms & Scheduling

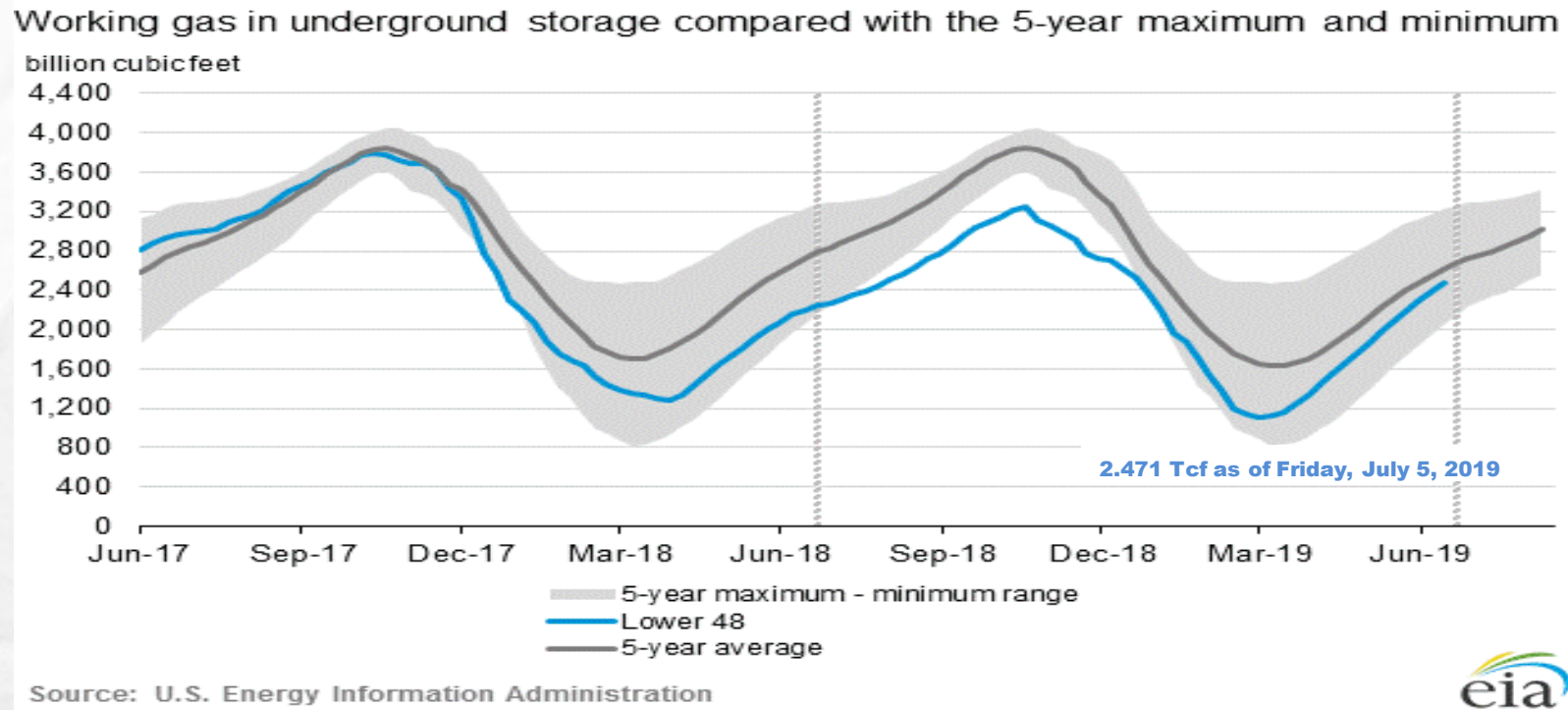
DeAnna Parsell, Noms & Scheduling





Storage Update
Jeffery Keck – Operations Planning

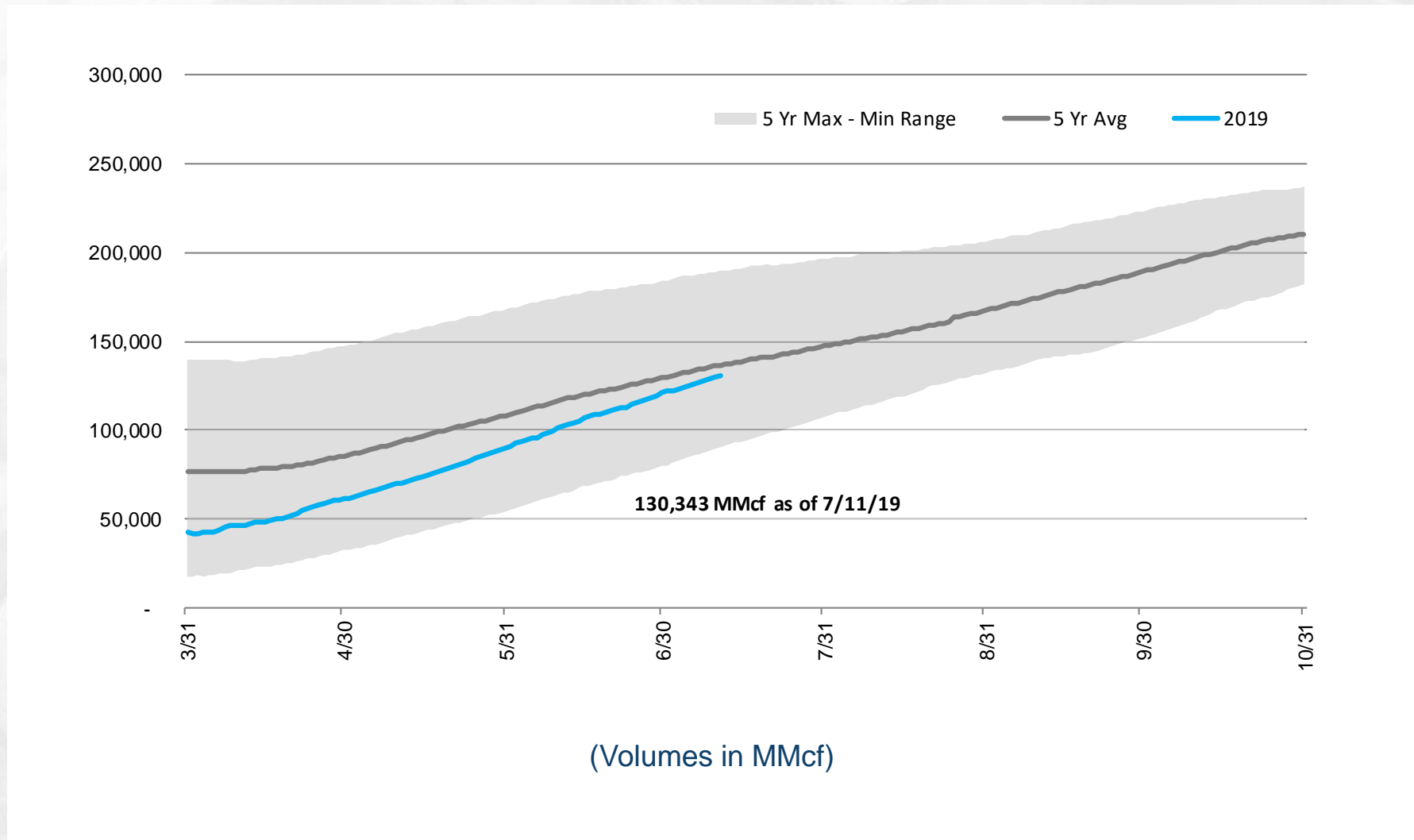
EIA Storage Position: The big picture



Date	ANR's Reported EIA Storage Inventory (MMcf)
July 5, 2019	124,956
July 6, 2018	89,874
July 7, 2017	177,210

Storage Position

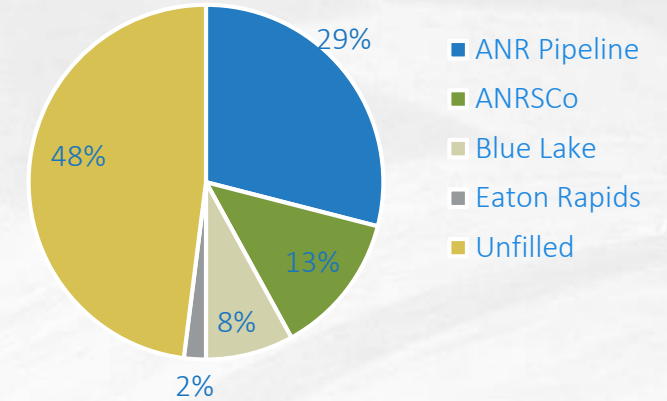
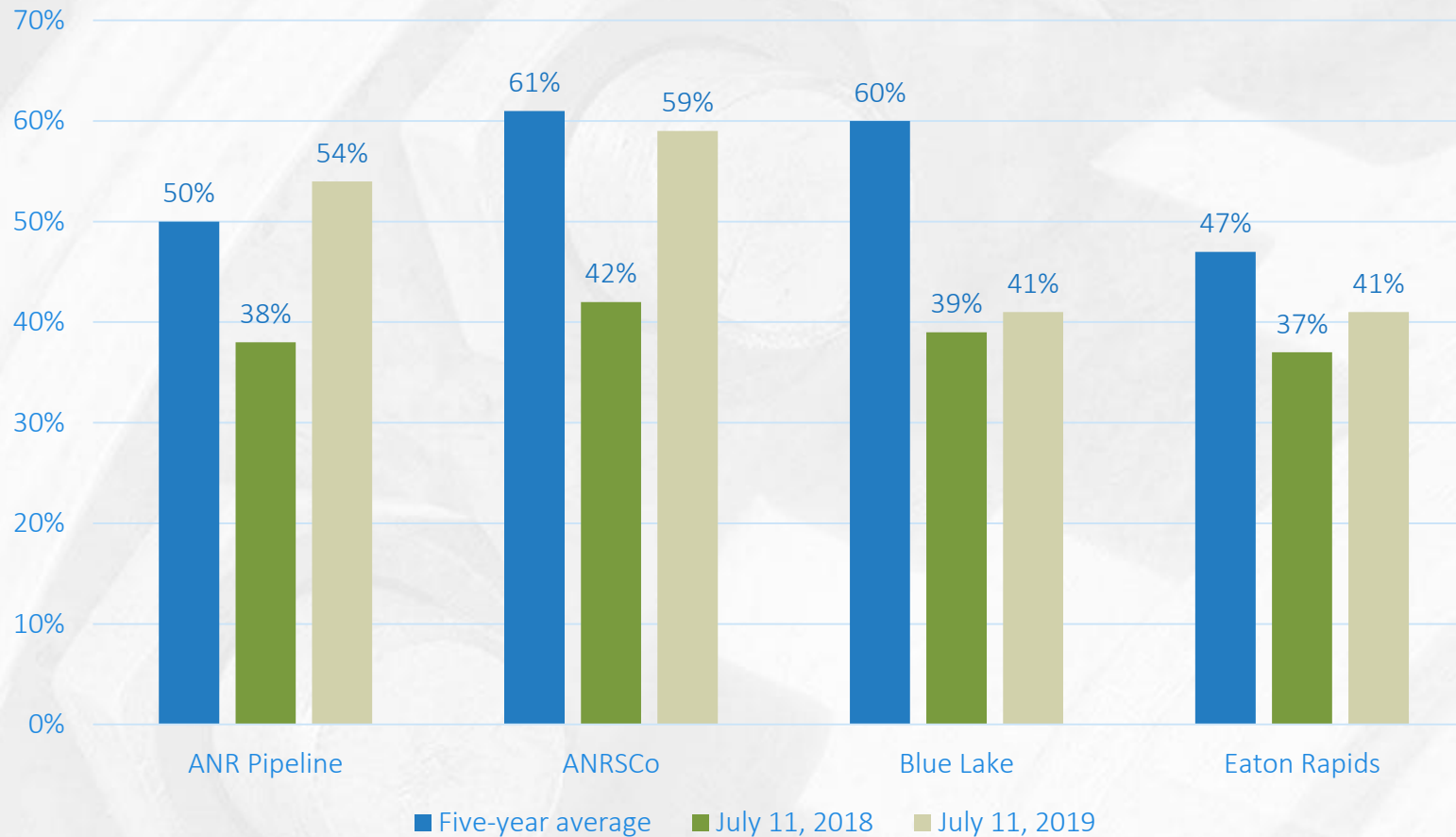
Working gas in underground storage compared with the five-year maximum and minimum



Storage inventory – 2019 vs. 2018

% of Certificated Storage Capacity

Physical Inventory Positions as of July 11



Percent of Storage Capacity	2019 Percent Full	YOY Difference (2018-19) July 11
ANR Pipeline	54%	15.5%
ANRSCO	59%	16.5%
Blue Lake	41%	2.2%
Eaton Rapids	41%	4.1%

Storage Operations

- The current volume in storage is below the five-year average level by about 6-Bcf. However, it is getting much closer to the five-year average and is well above the five-year minimum.
- From June 16 – July 11, storage activity averaged an injection of almost 0.9-Bcf/d, which reflects a continued strong injection pattern. While injections have been consistent, it has varied from about 500-MMcf/d up to about 1.25-Bcf/d.
- ANR met all firm customer demand for storage activity during this period.
- Capacity is 52% full about halfway through the summer season.
- Injections are expected to slow some through July and August due to the hotter weather and stronger power demands. ANR believes it is positioned well to meet all firm demand for injection.



Operational Update

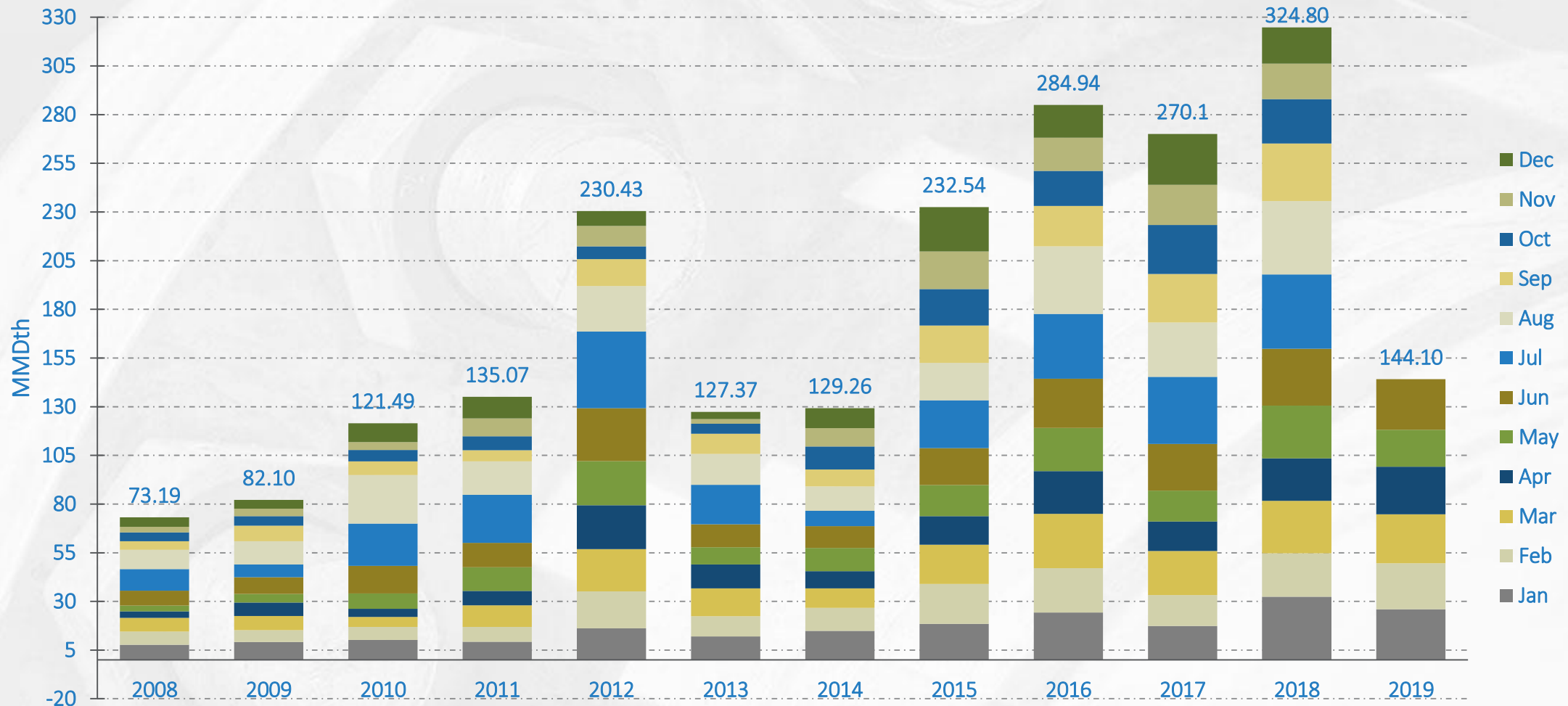
Michael Gosselin – Gas Control & Operations Planning

ANR June average daily system flows

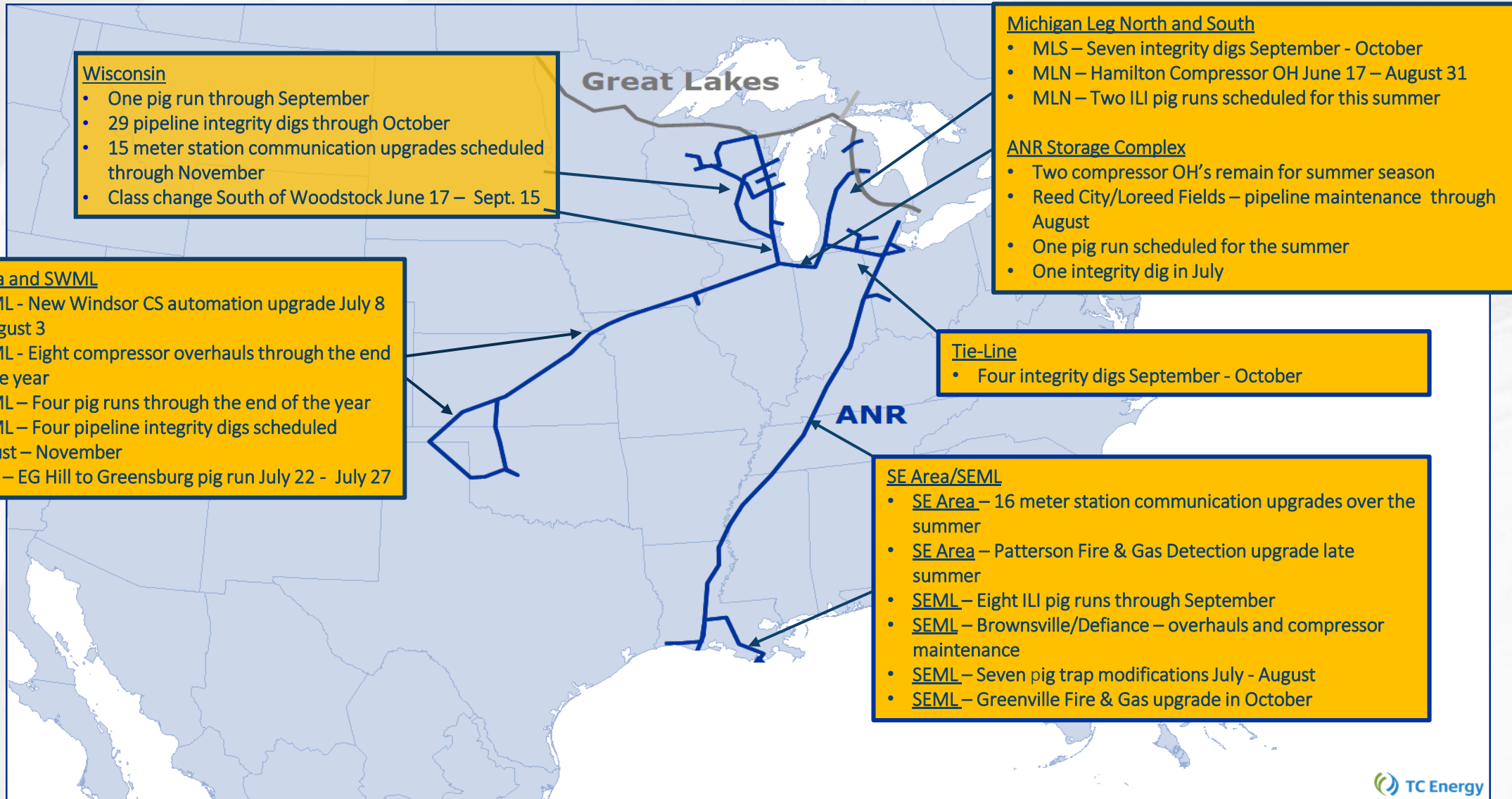


- 1 SWML Northbound flowed 95 percent full, with scheduled volumes averaging 587-MDth/d
- 2 Wisconsin deliveries averaged 494-MDth/d
- 3 Michigan Leg South through St. John Eastbound flowed an average volume of 635-MDth/d
- 4 Woolfolk averaged a northbound flow of 742-MDth/d
- 5 ANR Pipeline storage averaged an injection of 829-MDth/d
- 6 Deliveries between Eunice and Patterson averaged 917-MDth/d. Eunice Southbound averaged 106-MDth/d and deliveries to Duralde averaged 284-MMcf/d. ANR received 212-MDth/d from offshore at Patterson
- 7 Southbound flows through Jena averaged 1109-MDth/d
- 8 REX Shelbyville receipts averaged 877-MDth/d and Westrick Interconnect averaged 1289-MDth/d
- 9 Deliveries to MichCon at Willow Run averaged 688-MDth/d

ANR monthly deliveries to power plants



2019 ANR Mainline maintenance projects



ANR posted capacity impacts – July 2019

E.G. Hill from Gageby (LOC #226643) PSO ID #9307

85-MMcf/d (leaving 140-MMcf/d available) July 23 - July 27

Beaver-CIG (REC FR CIG) (LOC #16435) PSO ID #9307

160-MMcf/d (leaving 0-MMcf/d available) July 23 - July 27

SWML Northbound (LOC#226630) CN ID #9306

120-MMcf/d (leaving 569-MMcf/d available) July 11 – July 31

Bridgman Northbound (LOC #226632) CN ID #9257

325-MMcf/d (leaving 1276-MMcf/d available) June 17 – August 26

ANR posted capacity impacts – July 2019

Jena Southbound (LOC #9505489) PSO ID #9301

200-MMcf/d (leaving 980-MMcf/d available) July 23 – 25

75-MMcf/d (leaving 1105-MMcf/d available) July 26

Brownsville Southbound (LOC #1260569) PSO ID #9314

230-MMcf/d (leaving 900-MMcf/d available) July 29 – August 2


Cottage Grove Southbound (LOC #505614) CN ID #9302

100-MMcf/d (leaving 1049-MMcf/d available) July 5 – July 23

100-MMcf/d (leaving 1049-MMcf/d available) July 25

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 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

Types of releases: Biddable and Non-Biddable Capacity Release

Section in each pipeline's tariff that covers capacity releases. FERC Order 712 and 712-A provided clarification of the capacity release program. (2008)

NAESB sets forth the rules for capacity releases, such as the criteria for Biddable vs Non-biddable, the timing and duration of the posting of offers and bids and the evaluation criteria for awarding the capacity.

Biddable Releases

- Can be posted at any rate if one year or less. If greater than one year, the rate is capped at maximum recourse rate
- Can be pre-arranged or made available to the market.
- Pre-arranged Shippers have the right to match bids

Non-Biddable (Exempt) Releases

- Prearranged for a period of 31 days or less, regardless of the rate. (Not pre-arranged with same party within the last 28 days)
- Prearranged for more than one year at max tariff rates.
- Released to an Asset Manager (AMA)
- Released to a Marketer participating in a state-regulated Retail Choice

Posting timelines (Biddable Releases)

Biddable Releases - contract term of 1 year or less

Offer Posting Deadline	Bid Period End	No Match Req'd	Match Required		
		Award Deadline	Match Notify Deadline	Match Response Deadline	Award Deadline
9 a.m. on a Business Day	10 a.m. on same or later Business Day	11 a.m.	11 a.m.	11:30 a.m.	12 p.m.

Biddable Releases – contract term greater than 1 year

Offer Posting Deadline	Bid Period End	No Match Req'd	Match Required		
		Award Deadline	Match Notify Deadline	Match Response Deadline	Award Deadline
9 a.m. on a Business Day	10 a.m. after being posted for three consecutive 9 – 10 a.m. periods (Business Days)	11 a.m.	11 a.m.	11:30 a.m.	12 p.m.

GEMS Navigation – Posting an offer

- *Capacity Release -> Offer -> Add offer*
- Retrieve to see list of contracts available to be released

GEMS Main Menu

GEMS
Capacity Release

- Offer
- Bid
- Award
- Recall / Reput
- Summaries
- Add Weekend Dates

- Add Offer
- Offer Maintenance
- Offer List

- Highlight and right click (*temporary offer* select *display route/qty*, *permanent release* select *create permanent offer*)
- Select the route for the time period you are releasing, right click *create offer*

Add Offer

Retrieve Criteria:
 Entity ID: 006958581 ANR PIPELINE COMPANY Contract ID:
 Rate Schedule: <All> Term Start Date: Term End Date:
 Receipt Segment ID: Delivery Segment ID:

Select Contract Row 1 of 1

Contract ID	Rate Schedule	Term Start Date	Term End Date
133018	FTS-1		0/31/2022

Context Menu:
 Look Up... Ctrl+L
 Create Permanent Offer...
 Display Route/Quantities...

- Fill appropriate tabs (for non-IBR it will be the General Offer, Route Specific and Bid Related tabs)
- *Save offer as complete* – will be saved, pending or incomplete (once submitted cannot change)
- For AMA releases, special terms must include a reference to the delivery obligations of the releasing contract

Add Offer

Offer ID: Entity ID: 006958581 ANR PIPELINE COMPANY
 Releasing Contract ID: 133018 Contract Rate Schedule: FTS-1 Permanent Release

General Offer | Route Specific | IBR Specific | Bid Related | Contact

General:
 Display Contact Info Stand-Alone Offer Mkt Based Rates Ind
 Segmented Release Gathering Included IBR Ind
 Release Type: Primary receipt to primary delivery
 Post Date Time: E-mail:
 Reservation Volumetric Non-IBR Dollars and Cents
 Rel Acpt Bid Basis: OTH (Neither)
 Display Minimums: Rate Quantity Term

Recall: Not Recallable
 Terms:
 Timely Intraday 3
 Intraday 1 Early Evening
 Intraday 2 Evening

Business Day Indicator: Yes - Recall Notification must be provided exclusively on a business day.
 Rights to amend primary points: No
 Disc Ind:

Special Terms:
 Included
 Nominations may be subject to incremental charges

GEMS Navigation – Bidding on an offer

- *Capacity Release -> Bid -> Add bid*
- Retrieve and all biddable offers will be listed
- Select *bid*, right click and *create bid*

- Enter *term, bid rate* and *MDQ* on Route Specific tab

- Bid will save as pending because it will go through a credit approval process

GEMS Main Menu

GEMS
Capacity Release

Offer

Bid

Award

Recall / Reput

Summaries

Add Weekend Dates

Add Bid

Bid Maintenance

Bid List By Offer

Bid List By Entity

Offer ID: 27584 Rate Schedule: FTS-1 Permanent
 Offer Term Start Date: 08/01/19 Offer Term End Date: 08/31/19
 Bid ID: Replacement Entity ID: 006958581 ANR PIPELINE COMPANY

Offer Related	General Bid	Route Specific	IBR Specific	Contact	
Offer Route Row 1 of 1					
Receipt Point Name	Delivery Point Name	Start Dt	End Dt	Annual Summer Winter MDQ MDQ MDQ	Max Rate
	153808 ANRPL STOF	08/01/19	08/31/19	0 1000 0	5.7290

Bid Route Row 1 of 1

Dates:
 Minimum Acceptable Days: ND Start Dt: End Dt:

Rates:
 Min Acceptable Offer Rate: ND Bid Rate: PCT. OF Max Rate:

Quantity:
 Min Acpt Offer Annual MDQ: ND Annual MDQ: Min Acpt Annual MDQ: 0
 Min Acpt Offer Summer MDQ: ND Summer MDQ: Min Acpt Summer MDQ: 0
 Min Acpt Offer Winter MDQ: ND Winter MDQ: Min Acpt Winter MDQ: 0
 Min Offer Vol Commitment Qty: ND Min Vol Commitment Qty: 0

Bid Maintenance

Retrieve Criteria:

Replacement Entity ID:

Bid ID: Rate Schedule: <All> Biddable: <All>

Offer ID: Bid Status: <All>

Bid Row 1 of 2

Bid ID	Offer ID	Repl Entity ID	Name	Prearranged Bidder Ind	Rate Schedule	Status	NAESB
23868	27584	006958581	ANR PIPELINE COMPANY	N	FTS-1	Approved	Orig
23869	27585	092454453	ANR STORAGE CO	Y	FTS-1	Pending	

GEMS Navigation – Approving a pre-arranged bid

- Bids must be in *Review* status before a shipper can approve

Bid Maintenance

Retrieve Criteria:

Replacement Entity ID:

Bid ID: Rate Schedule: Biddable:

Offer ID: Bid Status:

Bid								Row 1 of 2
Bid ID	Offer ID	Entity ID	Name	Prearranged Bidder Ind	Rate Schedule	Status	NAESB	
29868	27584	006958581	ANR PIPELINE COMPANY	N	FTS-1	Approved		Orig
29869	27585	092454453	ANR STORAGE CO	Y	FTS-1	Review		Orig

- From the Capacity Release menu select *Bid-Bid Maintenance*
- Retrieve to see your list of bids
- Highlight the bid to be approved, right click and select *Maintain Bid*

Bid Maintenance

Retrieve Criteria:

Replacement Entity ID:

Bid ID: Rate Schedule: Biddable:

Offer ID: Bid Status:

Bid								Row 2 of 2
Bid ID	Offer ID	Entity ID	Name	Prearranged Bidder Ind	Rate Schedule	Status	NAESB	
29868	27584	006958581	ANR PIPELINE COMPANY	N	FTS-1	Approved		Orig
29869	27585	092454453	ANR STORAGE CO	Y	FTS-1	Approved		Orig

Look Up... Ctrl+L

Maintain Bid...

- In *General Bid* tab select yes or no on the drop down for *Bid Affiliate Indicator* (whether you are affiliated with the party releasing the capacity) and enter an email address
- Click *Save* and should receive the message *Bid saved as approved*

Maintain Bid

Offer ID: 27585 Rate Schedule: FTS-1 Permanent

Offer Term Start Date: 08/01/19 Offer Term End Date: 08/31/19

Bid ID: 29869 Replacement Entity ID: 092454453 ANR STORAGE CO

Offer Related **General Bid** Route Specific IBR Specific Contact

Contingency:

Allowable Bid Contingency IBR Repl SR Role Ind: AMA

Contingency Resolution Date: Mkt Based Rates Ind

Offer Contingency Terms:

Contingency Met

Bid Contingency Bid Contingency Terms:

General:

Stand Alone Bid Credit Worthy

Bidder Affiliate Indicator:

Match Date Time:

Deposit:

Deposit Required Prior To:

Deposit Amt: Deposit Received

Email:

Special Terms:

Offer Special Terms: delivery obligation per AMA

Special Terms Met Bid Special Terms:

GEMS Navigation – Capacity rewarded

- To determine your new contract number, select *Capacity Release, Award, Award List*

GEMS Main Menu

GEMS

Capacity Release

- Offer
- Bid
- Award**
- Recall / Reput
- Summaries
- Add Weekend Dates

- Award List**
- Rank Bids
- Distribute Capacity

- Enter the *Offer Number*, or your *Entity ID* in the appropriate box and retrieve
- Highlight the appropriate row, right click *Award Detail*

Award List

Retrieve Criteria:

Releasing Entity ID:

Replacement Entity ID:

Offer ID: Bid ID:

Rate Schedule: Release Start Date:

Offer ID	Rate	Releasing Entity	Replacement Entity	Release Start Date	Release End Date
27585	29869 FTS-1	006958581	092454453	8/1/2019	8/31/2019

Row 1 of 1

ANR PIPELINE COMPANY

Look Up... Ctrl+L

Award Detail...

- The Award Detail shows the Replacement Contract Number

Award Detail

Offer ID: 27585 Bid ID: 29869 Rate Schedule: FTS-1 Perm. Rel Ind: Affiliate Indicator: No

Releasing Entity: 006958581 ANR PIPELINE COMPANY Awd No: 19128 Releasing Contract ID: 133018

Replacement Entity: 092454453 ANR STQI Awd Dt/Time: 7/10/2019 10:15: Replacement Contract ID: 133019

Segmented Release (Primary receipt to Primary delivery) Replacement Gathering Contract ID:

Gathering Included Bid Evaluation Method: Tie Breaking Method: SYS

Rights to amend primary points: No Repl SR Role Ind: AMA

Disc Ind: 7. Capacity being released includes discount Rel Acpt Bid Basis: Non-IBR Dollars and Cents All Re-ret:

Recall / Reput Type: Recallable/Reput Prev Rel: 2 Business Day Indicator

Recall Notif. periods: Timely Intraday 1 Intraday 2 Intraday 3 Early Evening Evening

Awarded Offer Info Row 1 of 1

Receipt Point	Delivery Point	Release Start Date	Release End Date	Annual MDQ	Summer MDQ	Winter MDQ	Max Rate	Min Rate
103565	153808	8/1/2019	8/31/2019	1000	0	0	13.1430	

S E HEADSTATION ANRPL STORAGE FACILITIES

Awarded Bid Info

Bid Start Date	Bid End Date	Bid Annual MDQ	Bid Summer MDQ	Bid Winter MDQ	Bid Award Annual MDQ	Bid Award Summer MDQ	Bid Award Winter MDQ	Bid Award Rate
8/1/2019	8/31/2019	1000	0	0	1000	0	0	0

IBR Bid Diff: IBR Bid Diff Floor: IBR Bid %: IBR Var Oper Ind:

IBR Form Var: IBR Ind: IBR Math Oper Ind: IBR Ref 1: IBR Ref 1 Mult:

IBR Ref 2: IBR Ref 2 Mult: IBR Rate Default: IBR Rate Floor:

IBR Formula ID:

Ofr Special Terms: delivery obligation per AMA

Contacts for Capacity Release questions

- Dawn Johnson: 832-320-5138 or dawn_johnson@transcanada.com
- Polly Shupe: 832-320-6156 or polly_shupe@transcanada.com
- Chad Grayson: 832-320-5291 or chad_Grayson@transcanada.com

The background of the slide is a faded, light-colored image of mechanical components. It features several large, interlocking gears and several hexagonal bolts or nuts. The image is semi-transparent, allowing the text to be clearly visible over it.

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