

A photograph of two male workers in profile, facing left, at an industrial facility. They are wearing white hard hats, safety glasses, and earplugs. The worker in the foreground is wearing a blue jacket with reflective yellow stripes and a logo on the sleeve. The worker behind him is wearing a black jacket with a high-visibility yellow vest. They are standing on a metal walkway with railings. The background shows industrial structures and a clear sky.

# ANR Monthly Customer Update

April 2022



TC Energy

# Agenda

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## 1. Safety moment & TC Energy update

DeAnna Parsell, Noms & Scheduling

## 2. Storage update

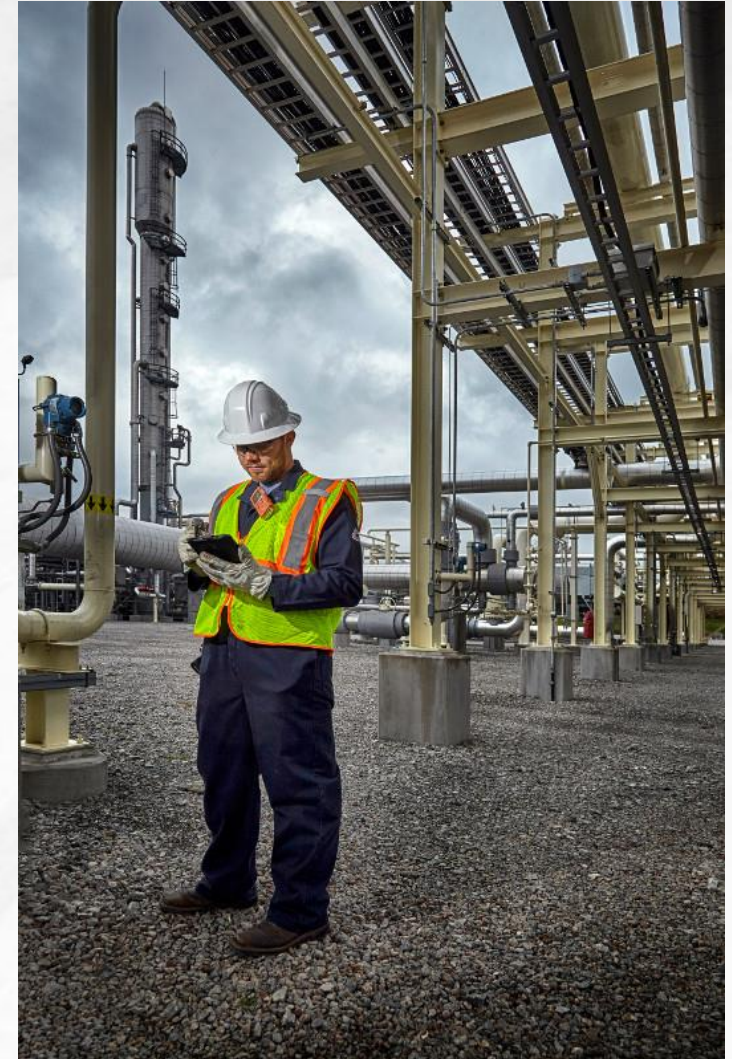
Eric Tawney, Operations Planning

## 3. Operational update

Kevin Pham, Operations Planning

## 4. Noms & Scheduling update

DeAnna Parsell, Noms & Scheduling





## Safety Moment

### Spring cleaning safety tips:

- Be careful moving large pieces of furniture
- Be safe on stools and ladders
- Follow cleaning product safety labels
- Keep stairs and walkways free of clutter
- Be careful on wet surfaces
- Don't carry too much at once
- Wear a mask when cleaning dusty areas
- Wear rubber gloves
- Put away all cleaning supplies





*"I believe that no matter your position, background, gender or experience — we all have a unique and valuable perspective to share."*

**John Jackson**

*USNG Operations Manager*

this is me



**TC Energy**

**Celebrate Diversity Month**



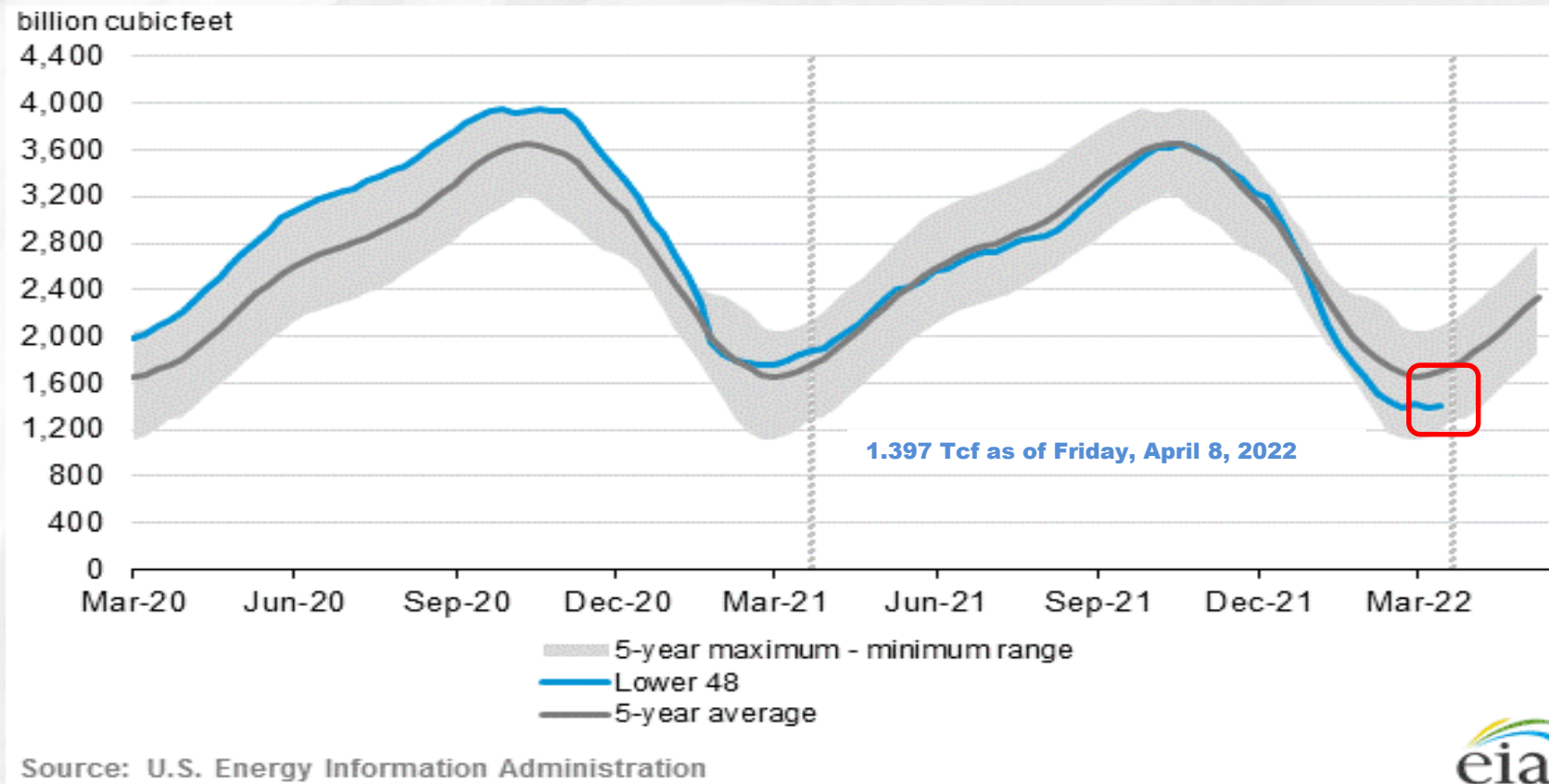


Storage update

Eric Tawney – Operations Planning

# EIA storage position: The big picture

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



439  
bcf

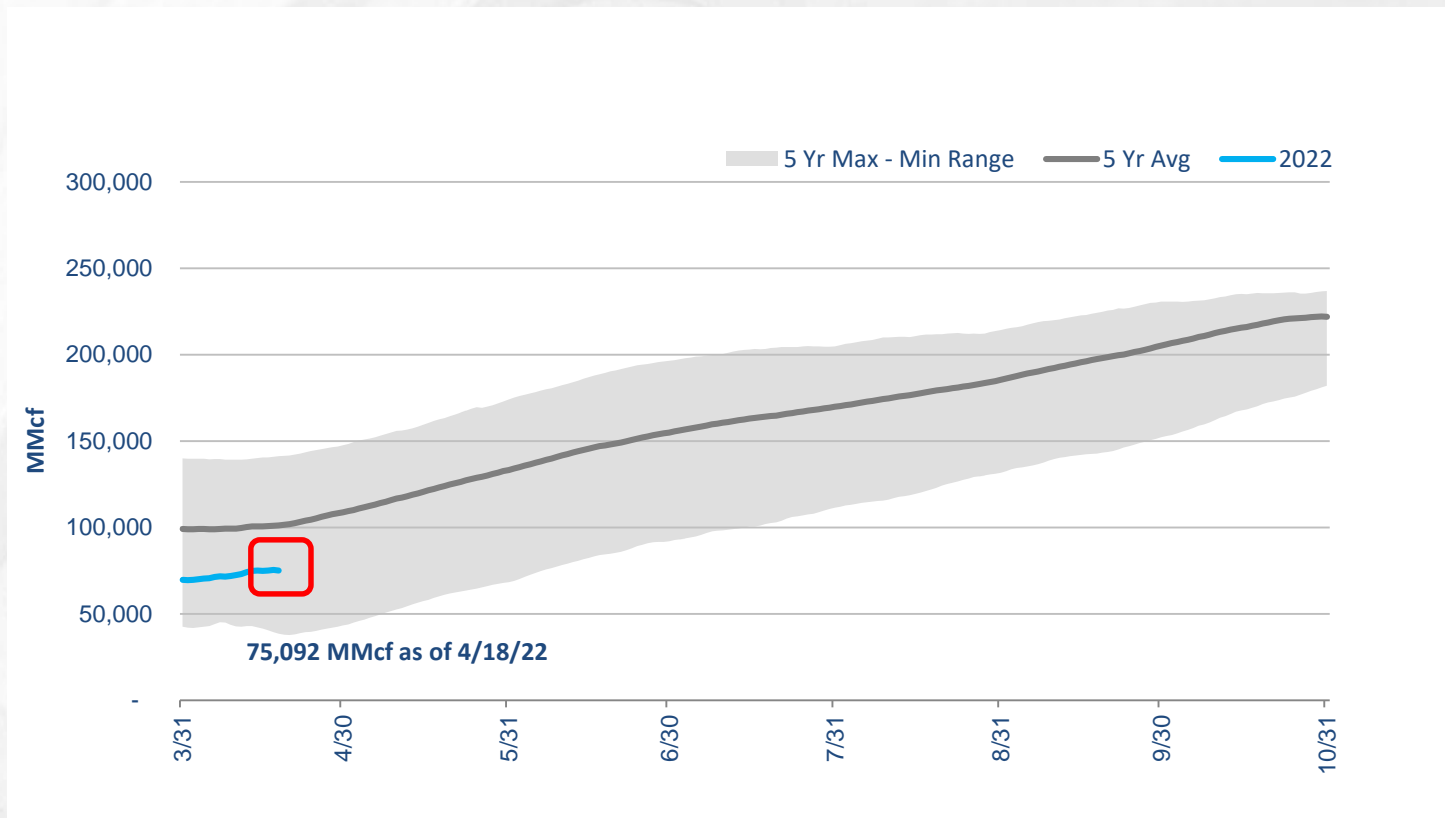
*less than April 2021*

303  
bcf

*below the  
five-year average*

# Storage position

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



38  
bcf

*less than April 2021*

20  
bcf

*below the  
five-year average*

# Storage operations

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- From Wednesday, March 16 – Monday, April 18, storage activity averaged an injection rate of 191-MMcf/d. Daily activity varied from an injection rate of 990-MMcf/d down to a maximum withdrawal rate of 902-MMcf/d.
- Storage capacity is 30 percent full.
- ANR has met all firm customer demand for storage activity.
- There are currently no postings restricting storage activity and no planned restrictions on DDS capacity.





# Storage operations

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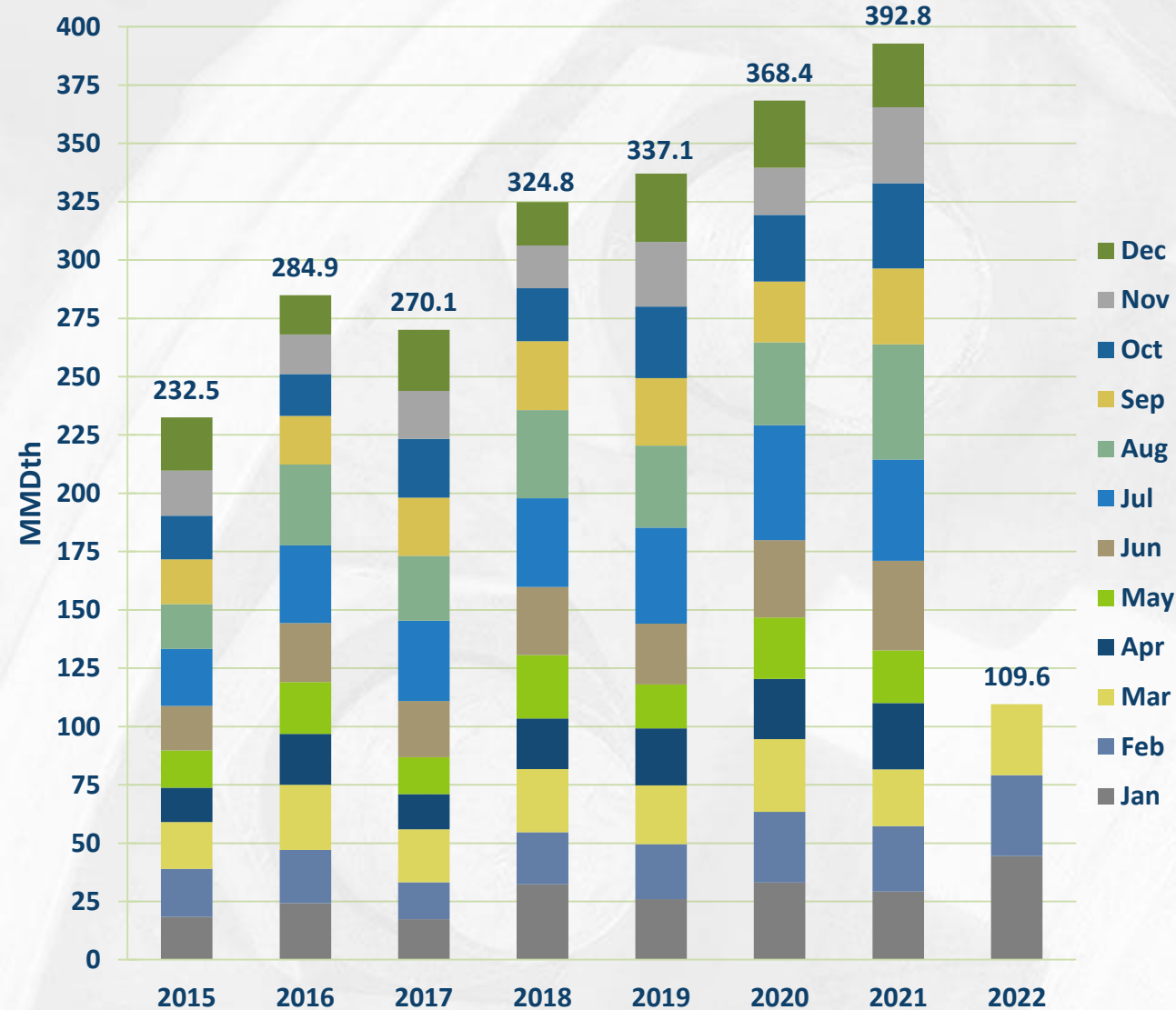
- Storage activity is primarily on injection, but withdrawals are still possible under certain conditions.
- ANR has nearly completed its spring storage field shut-ins to set the fields up for injection. ANR will ensure sufficient injection capacity is maintained to meet firm injection demand.
  - When needed, sufficient withdrawal capacity will be available to meet anticipated demand
- The available capacity will continue to be reflected on the EBB under the operationally available capacity



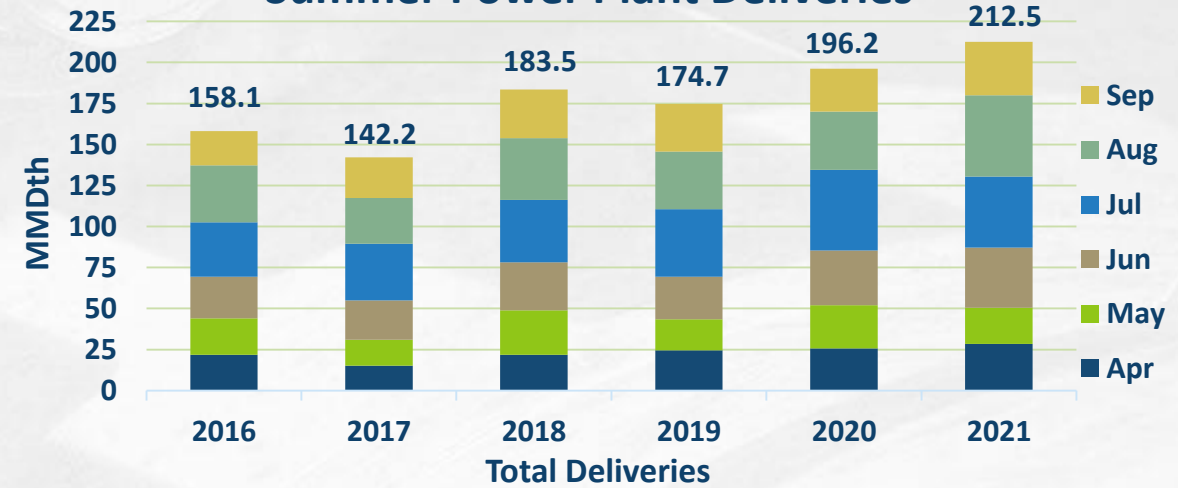
Operational update  
Kevin Pham – Operations Planning

# Monthly deliveries to Power Plants

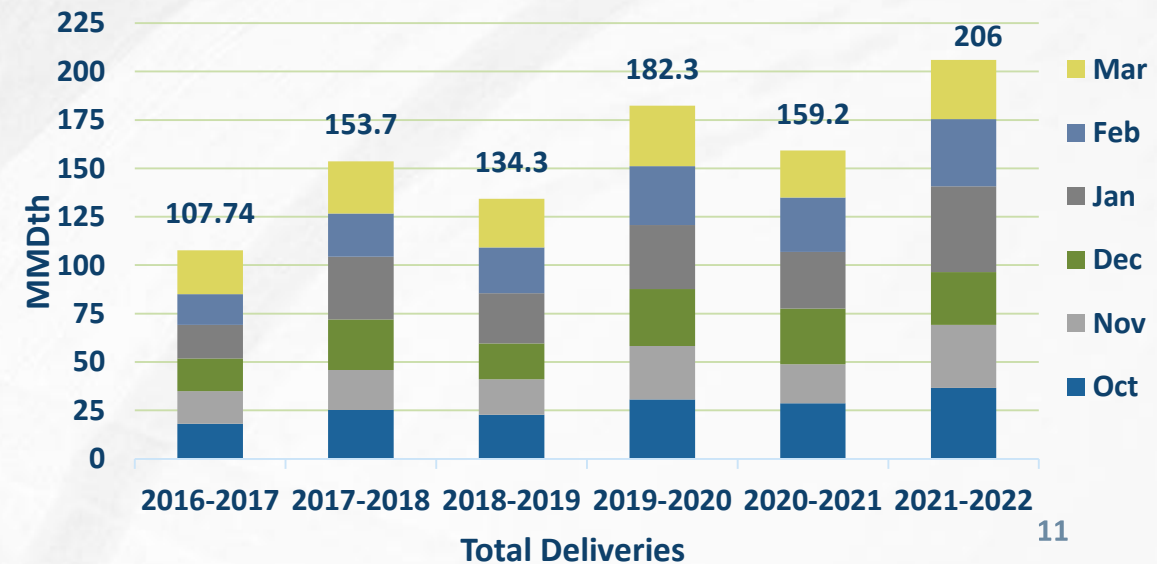
## Total Monthly Power Plant Deliveries



## Summer Power Plant Deliveries



## Winter Power Plant Deliveries



# Capacity impacts (SW Mainline & Area)

Dates		Area/Segment/Location		Cap (MMcf/d)		April														May																																			
				Impact	Avail	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
<b>Southwest Area &amp; Mainline</b>																																																							
<b>EG Hill Northbound (LOC #226643)</b>																																																							
5/3 - 5/5	E.G. Hill CS - Annual Preventive Maintenance	140	75																																																				
<b>Custer Northbound (LOC #226644)</b>																																																							
5/3 - 5/5	E.G. Hill CS - Annual Preventive Maintenance	24	16																																																				
<b>Mooreland Northbound (LOC #9505448)</b>																																																							
5/3 - 5/5	E.G. Hill CS - Annual Preventive Maintenance	106	100																																																				
<b>Southwest Mainline Northbound (LOC #226630)</b>																																																							
4/8 - 4/28	Greensburg CS Modern Auto Controls Station	180	510																																																				
4/25 - 4/29	Sandwich Station - Elwood Mod Testing	70	620																																																				
5/2 - 5/7	Sandwich CS MLV 51 to 52 - Shutdown	75	616																																																				
5/2 - 5/14	Sandwich Station - Elwood Mod Demo	70	620																																																				
5/2 - 5/6	Birmingham CS HP Replacement	100	590																																																				
5/11 - 5/12	Havensville CS ESD System Inspection	100	592																																																				
5/17	Havensville CS System Test	100	592																																																				

# Capacity impacts (Northern Area)

		Cap (MMcf/d)		April														May																															
Dates	Area/Segment/Location	Impact	Avail																																														
Market Area & Storage				21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
<b>Marshfield/Viking Int - Receipt (#28873)</b>																																																	
4/1 - 4/23	Marshfield CS - Automation & Controls Upgrades	FPO	Shut-in																																														
<b>Janesville/NNG Int (LOC #28808)</b>																																																	
5/24 - 5/25	Janesville CS ESD Valve Inspection	N/A	FPO																																														
<b>Bridgman Northbound (LOC #226632)</b>																																																	
4/11 - 4/22	Hamilton Station - Elwood Mod Outage Testing	315	1,285																																														
4/25 - 5/6	Bridgman Station - Elwood Mod Outage Testing	365	1,235																																														
5/2 - 5/11	Woolfolk A100 MLV 67 to Saginaw Station SCC	110	1,490																																														
5/9 - 5/23	Hamilton Station - Elwood Mod Outage Demo	315	1,285																																														
5/23 - 5/31	St. John Main Line MLV 62 to 64	110	1,490																																														

# Capacity impacts (SE Area)

		Cap (MMcf/d)		April							May																																										
Dates	Area/Segment/Location	Impact	Avail	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
<b>Southeast Area</b>																																																					
<b>Stingray Int (LOC #135819)</b>																																																					
8/20 - 12/31/22	Pipeline - Integrity Issue / Hurricane Laura Damage	N/A	Shut In																																																		
<b>Multiple Meters - Cameron Area</b>																																																					
10/20 - 12/31/22	Meter Station - Hurricane Laura Damage	N/A	Shut In																																																		
<b>Shadyside/TGP Rec (LOC #467239)</b>																																																					
1/6 - 5/31	Meter Equipment Issue	N/A	Shut In																																																		
<b>Shadyside/TGP Del (LOC #467240)</b>																																																					
1/6 - 5/31	Meter Equipment Issue	N/A	Shut In																																																		
<b>Eunice Eastbound (LOC #226641)</b>																																																					
4/28 - 5/9	1-503 Pediatrics Class Change	120	1,051																																																		
5/24 - 6/2	0-503 Pediatrics Class Change	120	1,051																																																		

# Capacity impacts (SEML)

		Cap (MMcf/d)		April							May																																	
Dates	Area/Segment/Location	Impact	Avail																																									
<b>Southeast Mainline</b>				21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>Brownsville Southbound (LOC #1260569)</b>																																												
4/19 - 4/23	Brownsville CS - Station/Unit Inspections	207	936	■																																								
4/30	Brownsville CS ESD	207	936																											■														
<b>Jena Southbound (LOC #9505489)</b>																																												
TBD (2 Days)	Integrity Digs + Delhi CS ESD	55	1,121																											■														
4/27	Jena 108 Skid Inspection	265	917																					■																				
<b>Delhi Southbound (LOC #1379345)</b>																																												
4/1 - 5/31	Integrity Digs	150	951	■																																								
TBD (2 Days)	Delhi CS ESD	116	1,060																											■														
5/9 - 5/27	Sardis CS - Fuel Gas Piping Replacement	135	970										■																															
5/10	Delhi CS - Air Intake Inspection	116	1,060																											■														

# Outage postings

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- 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.







Nominations & Scheduling update  
DeAnna Parsell – Noms and Scheduling

# Multi Factor Authentication (MFA)

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- To improve the security of TC Energy's external facing business applications, the TC Energy Cybersecurity Office is introducing a new business application authentication solution.
- The new OKTA Single Sign-On (SSO) solution includes Multi Factor Authentication (MFA) and Self-Serve Password Reset (SSPR).
- Coming this summer, the MFA will be turned on for all GEMS external users.
- When the MFA is turned on, you will be sent an authentication code each time you log into GEMS which will need to be entered before continuing into GEMS.
- As a user of GEMS, you will need to choose a method of MFA notification. The MFA code can be sent through an email or through OKTA Verify App.
- For current users, periodically you will be prompted to register/setup your MFA secondary notification. Please take the next opportunity to register the information to avoid any disruption in accessing the system when MFA is turned on.
- For new users, you will be prompted to register/setup your MFA secondary notification on your initial login.
- Additional information on how to download the OKTA Verify App will be provided in the coming months.

# TC eConnects updates

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- TC Energy continues its goal of unifying EBBs across our USNG pipeline system
- Builds off TC eConnects platform (formerly CPG's Navigates)
- Uses best practices across all systems
- Currently implementing enhancements on TC eConnects that will better position the platform to accommodate ANR's requirements
- Timeline
  - Northern Border successfully transitioned to TC eConnects in October 2021
  - ANR Storage Company, Blue Lake, Eaton Rapids are next up
  - Gap analysis underway for ANR Pipeline

**Customer input is welcome!**

# ANR customer assistance

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For customer assistance concerning scheduling priorities, 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@tcenergy.com](mailto:ANR_Noms_Scheduling@tcenergy.com)

**Web address for the ANRPL Tariff:** [ebb.anrpl.com](http://ebb.anrpl.com)

Questions



US\$ 0.8	US\$ 0.8
0.2	0.2
2.8	2.8
US\$ 0.7	US\$ 0.7
US\$ 0.2	US\$ 0.2
1.7	1.7
2.6	2.6
1.7	1.7
14.2	14.2