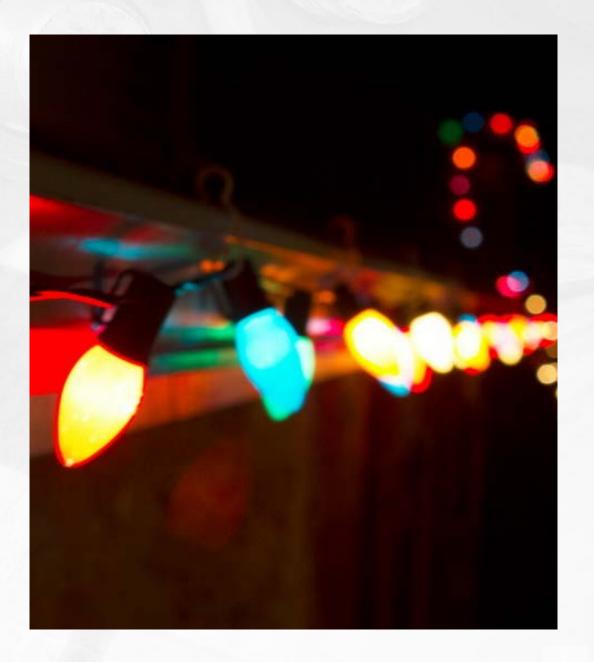




### Christmas Light Safety

- Never leave your lights unattended
- Get rid of old lights
- Consider LED instead of incandescent
- Indoor & outdoor lights are not interchangeable
- Be smart when using extension cords
- Keep your Christmas tree from becoming a fire hazard



# Agenda

### **Storage Update**

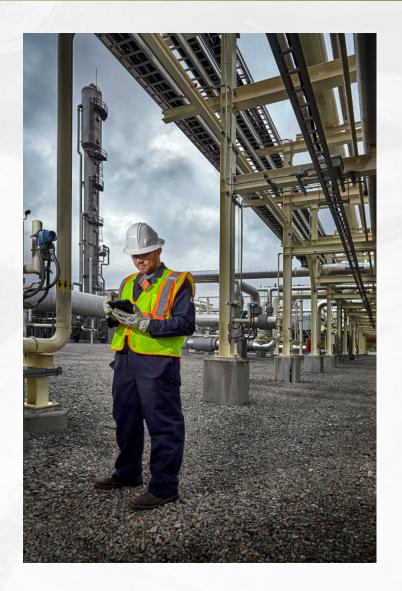
Jeffery Keck, Operations Planning

### **Operational Update**

Michael Gosselin, Gas Control & Planning

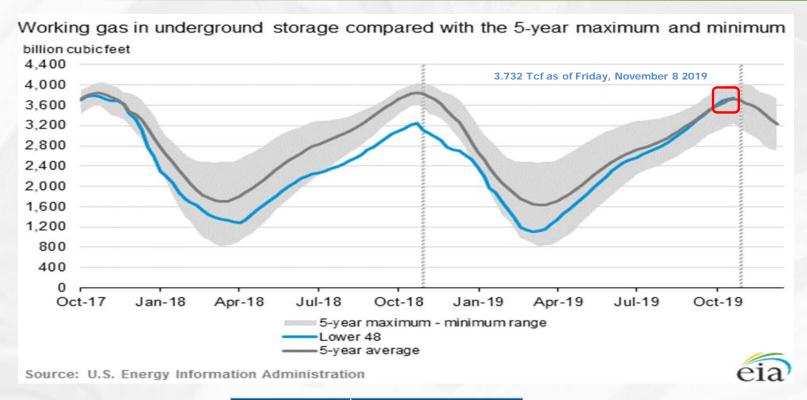
### Noms & Scheduling

DeAnna Parsell, Noms & Scheduling



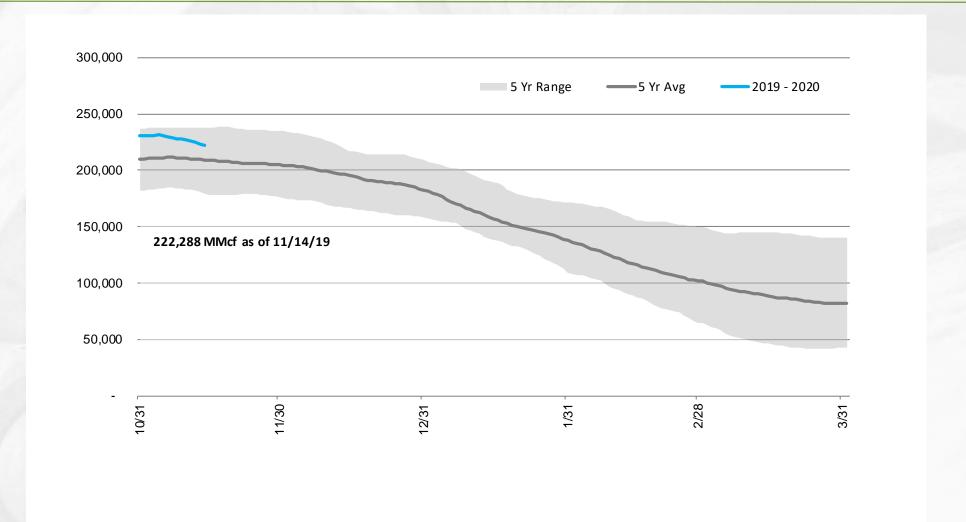


### **EIA Storage Position: The Big Picture**

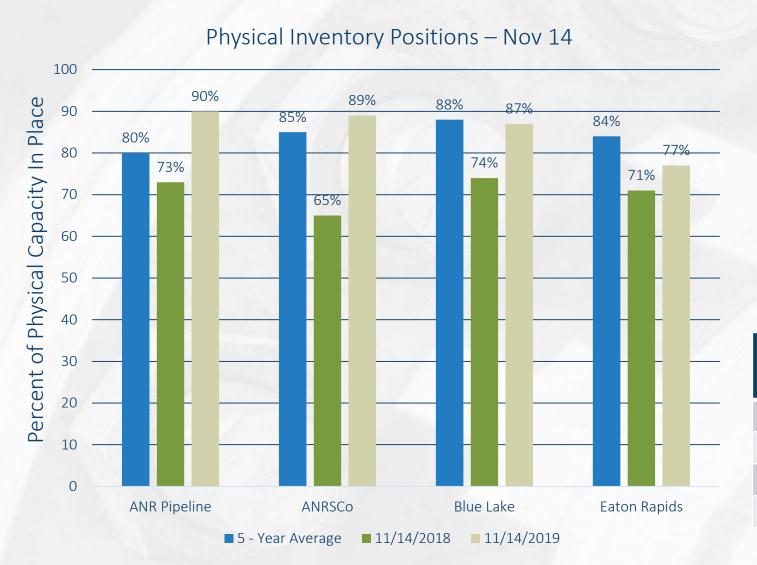


Date	ANR's Reported EIA Storage Inventory (MMcf)	
11/08/2019	219,008	
11/09/2018	174,977	
11/10/2017	214,268	

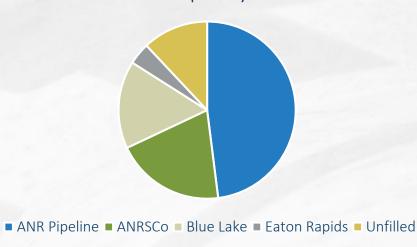
### **Storage Position**



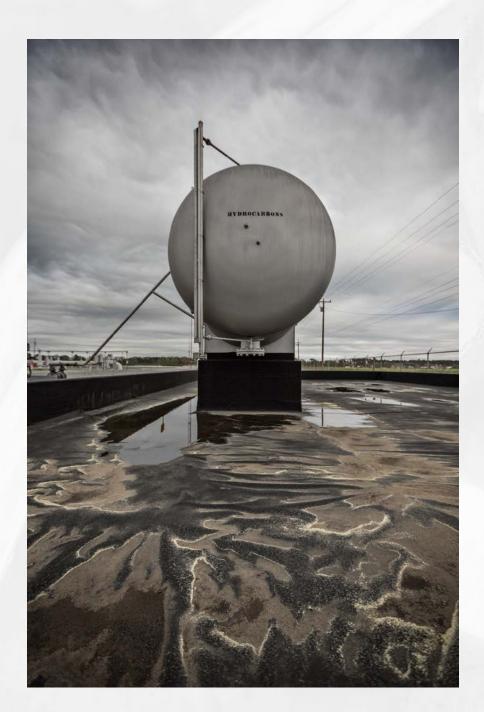
### Storage Inventory – 2019 v 2018



### Percent of Certificated Storage Capacity



% of Storage Capacity	2019 Percent Full	YOY Difference (2018 – 2019) Nov. 14th		
ANR Pipeline	90%	16.6%		
ANRSCo	89%	24.7%		
Blue Lake	87%	12.9%		
Eaton Rapid	77%	6.1%		



# **Storage Operations**

The current volume in storage is above the five year average level by about 13-Bcf.

From October 14<sup>th</sup> through November 14<sup>th</sup> storage activity averaged close to zero. However, daily activity varied significantly from strong injections up to about 1.4-Bcf/d in late October to withdrawals of about 1.7-Bcf/d in November.

ANR has met all firm customer demand for storage activity on both injection and withdrawal.

Capacity is 88% full after the first 14 days of the winter season.

While it was a challenge to handle the change from strong injections in October to strong withdrawals in November, this was managed successfully. The weather has moderated and activity is expected to be more normal over the next couple of weeks. This means that low to moderate withdrawals are expected but small injections could occur on certain days.

# **Storage Operations**

ANR has completed the change from injection to withdrawal on most of its storage fields. There are still some changeovers in progress, so as these fields return to service, withdrawal capacity will increase. This will be shown under the operationally available capacity on the EBB. ANR believes it is positioned well to meet all firm demand for withdrawal.

There are currently no posted restrictions on storage activity.



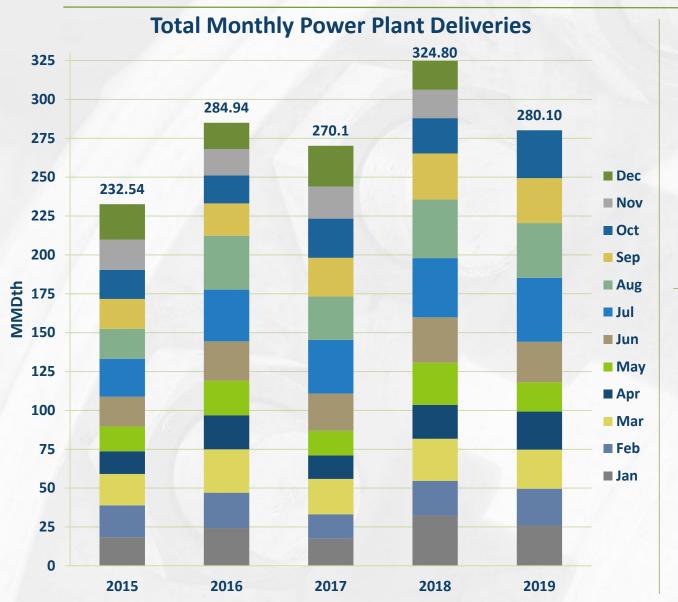


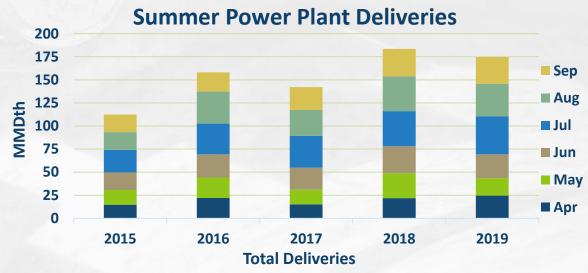


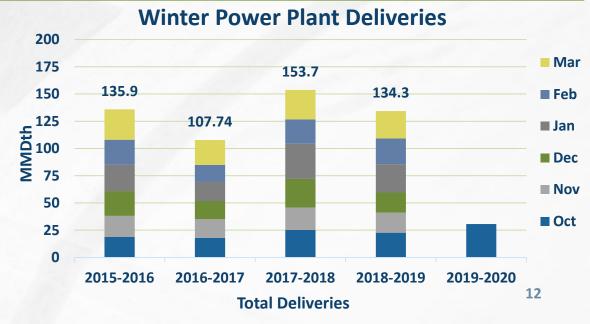
# **ANR October Average Daily Flows**

- SWML Northbound flow averaged 621-MDth/d (down 3% from September), with a utilization of 98%.
- Wisconsin deliveries averaged 825-MDth/d (up 80% from September). Flow varied from a low of 500MDth/d up to 1.2MMDth/d toward the end of October.
- Michigan Leg South through St. John Eastbound flowed an average volume of 328-MDth/d (down 60% from September, with intermittent Westbound flow).
- Woolfolk averaged a Northbound flow of 452-MDth/d (down 43% from September, with intermittent Southbound flow).
- ANR Pipeline storage averaged an injection of 737-MDth/d (down 20% from September). Flow ranged from an injection of 1.2-MMDth/d to a small withdrawal of 83MDth/d.
- Eunice Total averaged 94% full (flat to September). Deliveries between Eunice and Patterson averaged 1,040-MDth/d (up 4% from September). ANR received an average of 263-MDth/d from offshore at Patterson (up 21% from September).
- Southbound flows through Jena averaged 1,128-MDth/d (up 2% from September) with a utilization of 99% (up from 94% in September).
- REX Shelbyville receipts averaged 489-MDth/d (down 21% from September) and Westrick Interconnect averaged 1,546-MDth/d (up 15% from September).
- Deliveries to MichCon at Willow Run averaged 413-MDth/d (down 39% from September and 55% lower than last October).

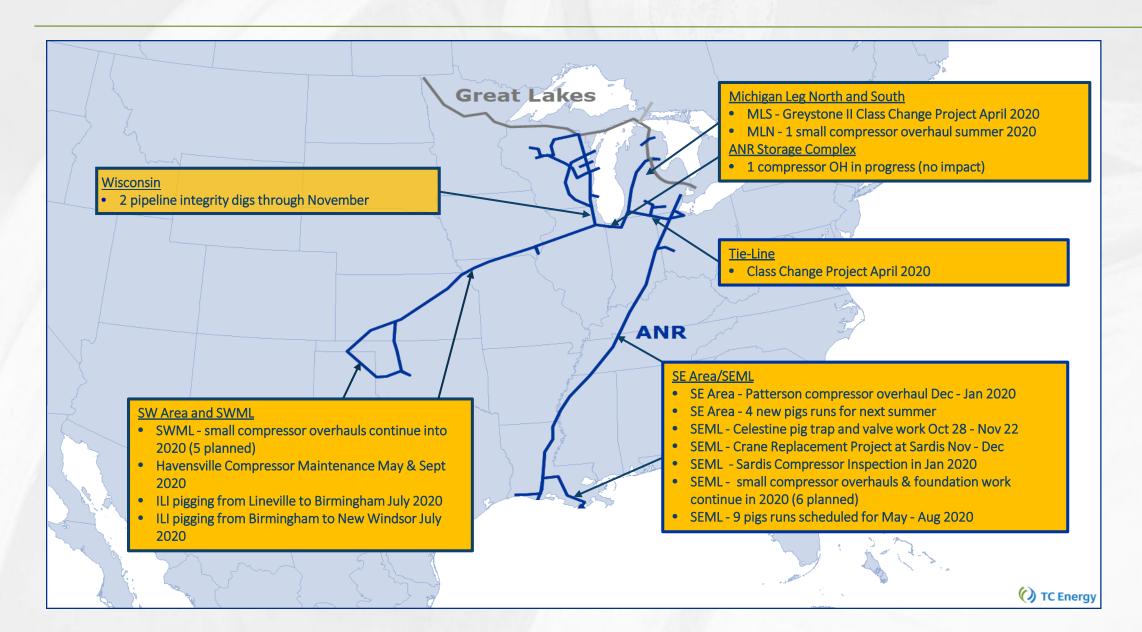
# **ANR Monthly Deliveries to Power Plants**







# 2019 - 2020 ANR Maintenance Activity



# **ANR Posted Capacity Impacts – October 2019**

### Cottage Grove Southbound (LOC #505614) PSO ID #9502

100-MMcf/d (leaving 1,124-MMcf/d available) Nov. 17 - Nov. 29

### Jena Southbound (LOC #9505489) CN ID #9501

120-MMcf/d (leaving 1,095-MMcf/d available) Nov. 20 - Nov. 26

120-MMcf/d (leaving 1,095-MMcf/d available) Dec. 4 - Dec. 22



# **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.





### **ANRPL Home Page**



**ANR Pipeline** 

**Customer Activities** 

Informational Postings

U.S. Pipelines

Company Info About Us

New Business Quick Links Careers Site Map

ANR Home | Contact Us



#### **ANR Pipeline**

ANR Pipeline Company (ANR) enjoys a rich tradition in the natural gas pipeline business. From its founding as the Michigan-Wisconsin Pipe Line Company in 1945 to being a member of the TC Energy family of companies in 2007, ANR operates one of the largest interstate natural gas pipeline systems in the United States.

Our broad array of competitively priced services is customer-and marketresponsive, providing customers the flexibility they need to compete in today's natural gas marketplace. We offer a full menu of transportation options, hub services, and several storage options

We can tap virtually all of the major gas supply basins in North America, providing customers with multiple supply options. In addition, through its numerous interconnections with other major interstate pipelines, ANR can readily serve customers far beyond its traditional service area in the Midwest.

Through its approximately 10,600 miles of pipeline, ANR delivers more than 1 trillion cubic feet of natural gas annually, with a peak-day delivery capacity of more than 6 billion cubic feet (Bcf). ANR Pipeline, ANR Storage and Blue Lake Gas Storage have a combined underground storage capacity exceeding 250 Bcf.

ANR sets the standard in natural gas services. We are committed to the safe and reliable delivery of natural gas to each and every one of our customers.

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#### **Customer Activities**

**GEMS** 

**Customer Link** 

Reset Password

#### Quick Links

#### WHAT'S NEW

- Proposed Tariff Revision Filing
- ▶ ANR Pipeline CP20-1-000 FERC Application
- ANRPL Information CP20-1-000
- ANRPL System Maintenance Schedule
- Outage Map

Nominations & Scheduling Help Line 800-8-ASK ANR (1-800-827-5267)

In case of emergency, call 888-GAS-CTRL or 888-427-2875 ANR's contact portal can be accessed in Customer Link on ANRPL's home page

### Corporate

Access point for creating and maintenance of an entity's contact(s) and certain business use associations.

### Security

- Access point for maintenance of system users & ESAs of an entity
- Requesting system access for a contact
- Inactivation/Reactivation of a contact's association
- Access point to allow system users to change login password.

### **Customer Link**



Enter your GEMS user name and password

The menu contains links to ANR Legacy systems for system users with TSP access of ANR. The legacy systems for ANR are GEMS and Customer Link.

# Navigating via Corporate Screens





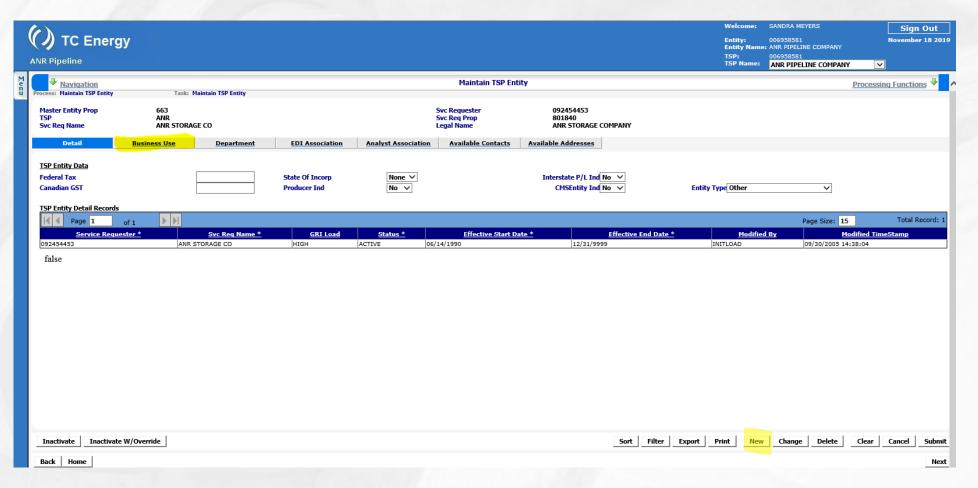
Click on TSP Entity and then Maintain

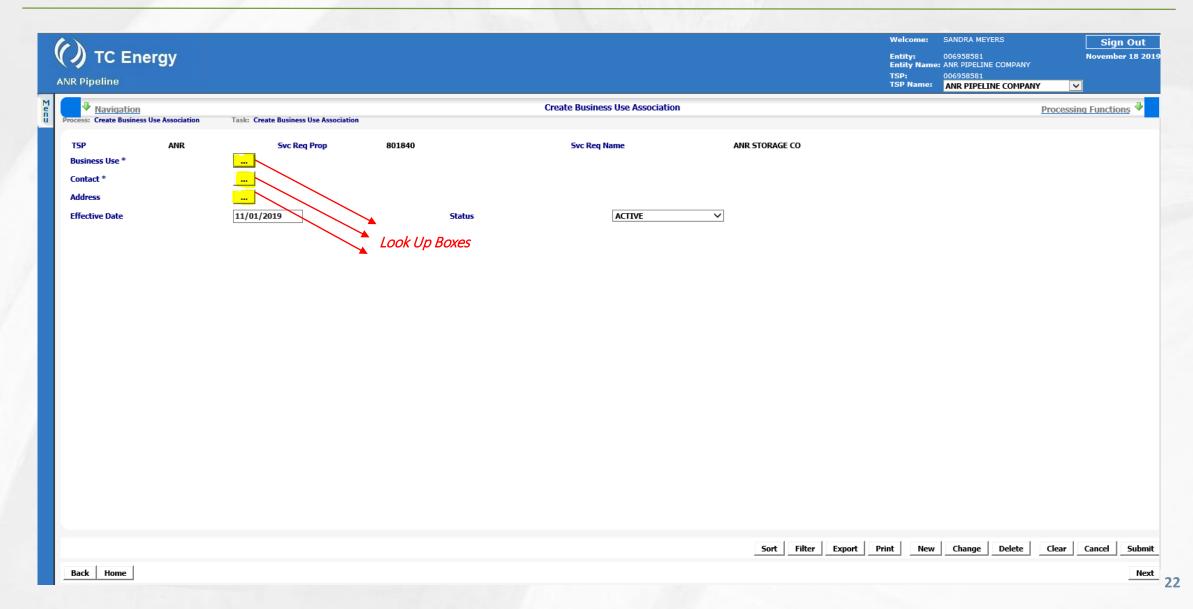


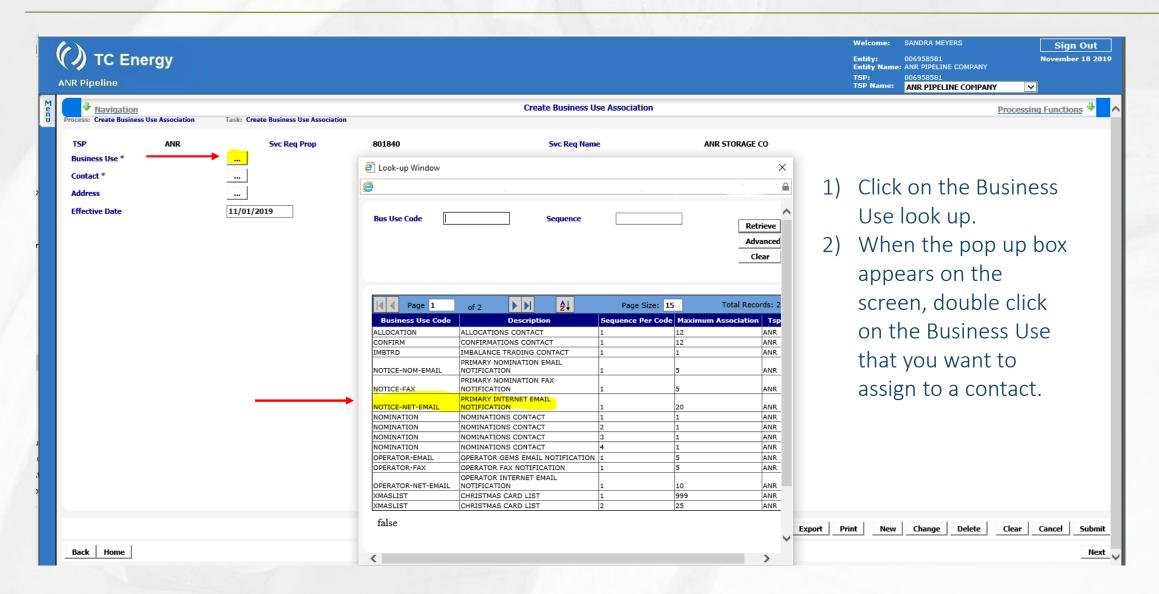
The Create Business Use Association screen opens, displaying the following fields:

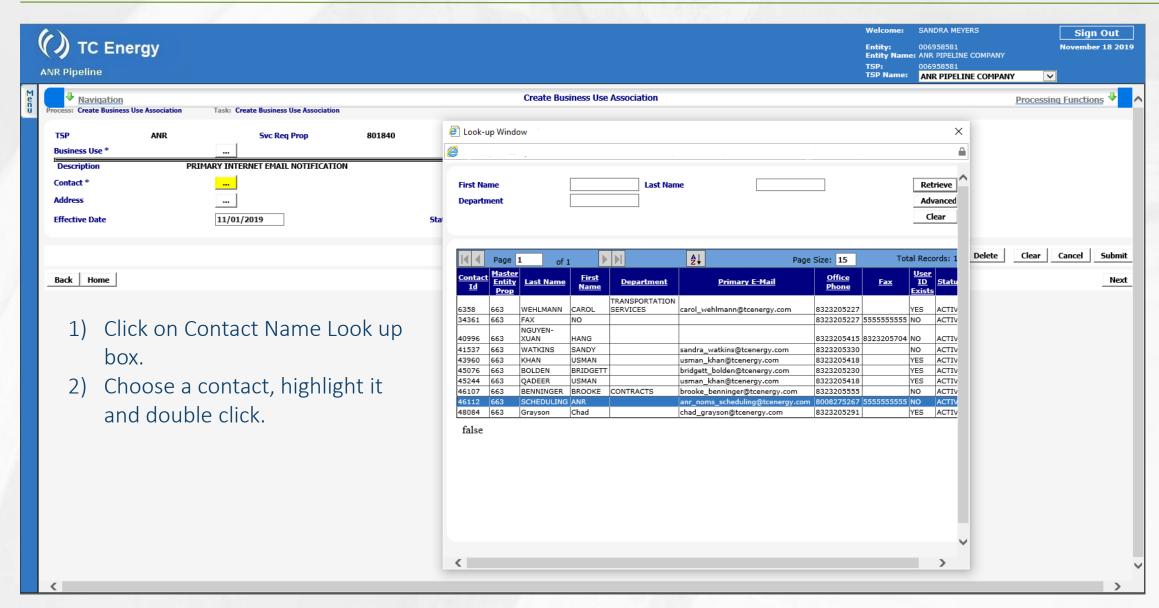
- TSP automatically populated by System.
- Svc Req Prop automatically populated by system.
- Business Use select from lookup; options are filtered based on TSP.
- Contact select from lookup; options are filtered based on Master Entity
- Address select from lookup; options are filtered based on Master Entity
- Effective Date defaults to the first of the current month; can be changed to a future date and can be any day of the month.
- Status defaults to Active; can be changed to Inactive
- All required fields are designated by an asterisk (\*).

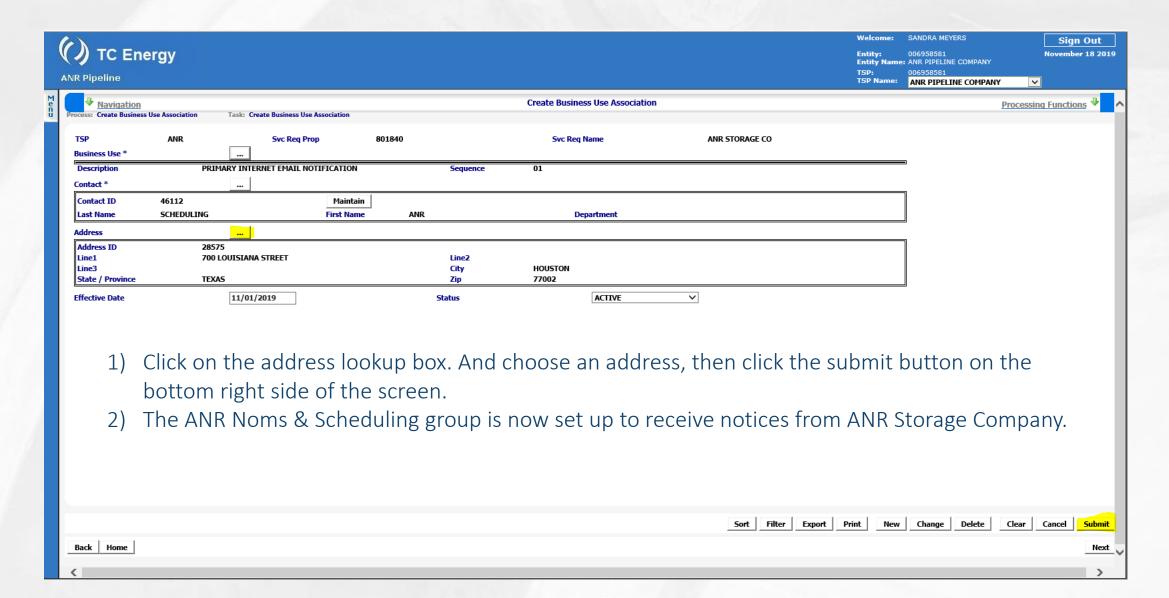
- 1) Select the Business Use tab within "MaintainTSP Entity"
- 2) From this tab, click the New Button, on the bottom of the screen











### **Business Use Associations**

Business Use Code	<u>Description</u>	Max number of users
AddressBook	Address Book	99
Allocation	Allocations Contact	12
Confirm	Confirmations Contact	12
EDI	EDI Contact	5
EDI	EDI Contact	5
IMBTRD	Imbalance Trading Contact	1
Notice-Net-Email	Primary Internet Email Notifi	cation 20
Nomination Contact	Nominations Contact	4
Operator-Net-Email	Operator Internet Email Noti	fication 10
Shipper Contact		

Notice-Net-Email- Receives cut notifications, Scheduled Qty Reports, Maintenance/ Outage Info, and all Critical Notices.

<u>Operator-Net-Email</u> – Receives Operator Scheduled Quantity reports for interconnects.

There are other notices for Accounting and Invoicing that are maintained by the Accounting group.



### **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@tcenergy.com

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