

Updated 3/1/2023



SOUTHERN STAR®

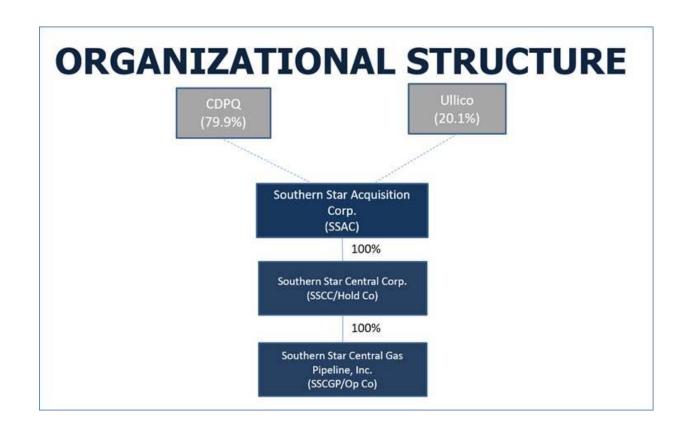
CENTRAL GAS PIPELINE

One Community working together to be the leading provider of clean, safe and reliable energy for tomorrow.

## **Our Mission:**

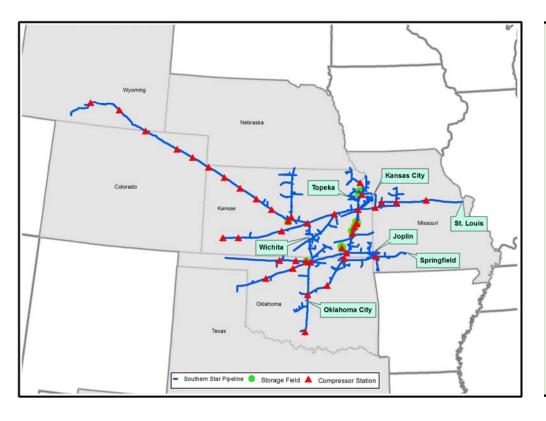
Delivering innovative energy solutions through talent, technology, and collaboration.

#### SOUTHERN STAR CORPORATE STRUCTURE



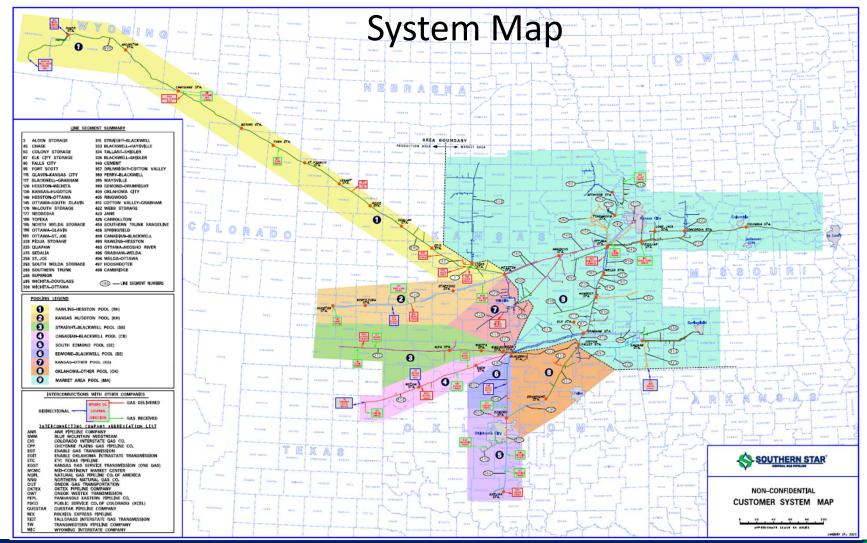


#### **SOUTHERN STAR SYSTEM OVERVIEW**



- Leading Transporter of Natural Gas in Mid-Continent and Midwest Regions
- Serving Markets in Oklahoma, Kansas, and Missouri
- Transportation capacity of approximately 2.4 BCF/day
- On-system working gas storage capacity of 46.7 BCF
- Assets:
  - Approximately 5,800 miles of pipelines
  - 43 Compressor Stations; 218,229 HP
  - 8 Gas Storage Fields
  - 9 Pooling locations
  - 35 Pipeline Interconnects
    - 11 Delivery
    - 17 Receipt
    - 7 Bi-Directional



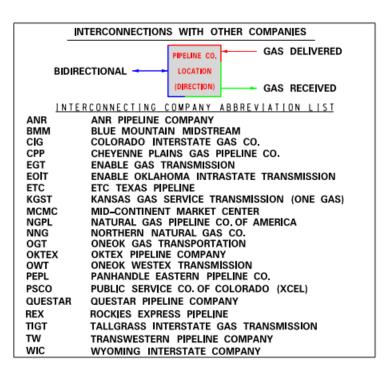




#### SYSTEM POOLING AND LINE SEGMENTS

#### LINE SEGMENT SUMMARY

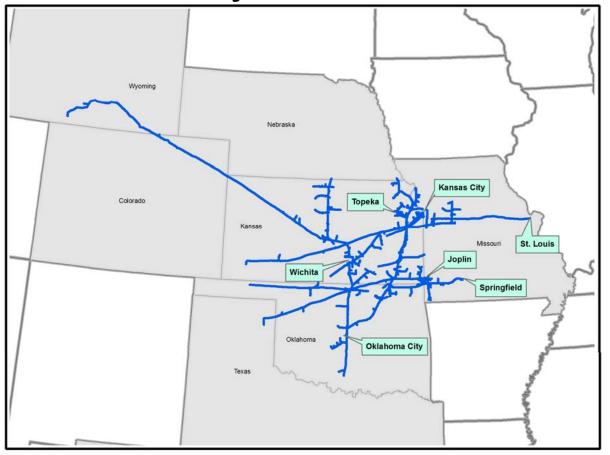
3	ALDEN STORAGE	315	STRAIGHT-BLACKWELL
45	CHASE	333	BLACKWELL-HAYSVILLE
50	COLONY STORAGE	334	TALLANT-SHIDLER
87	ELK CITY STORAGE	335	BLACKWELL-SHIDLER
90	FALLS CITY	340	CEMENT
95	FORT SCOTT	357	DRUMRIGHT-COTTON VALLEY
115	GLAVIN-KANSAS CITY	380	PERRY-BLACKWELL
117	BLACKWELL-GRABHAM	385	MAYSVILLE
120	HESSTON-WICHITA	390	EDMOND-DRUMRIGHT
130	KANSAS-HUGOTON	400	OKLAHOMA CITY
140	HESSTON-OTTAWA	405	RINGWOOD
145	OTTAWA-SOUTH GLAVIN	410	COTTON VALLEY-GRABHAM
170	McLOUTH STORAGE	422	WEBB STORAGE
177	NEODESHA	423	JANE
180	TOPEKA	425	CARROLLTON
185	NORTH WELDA STORAGE	450	SOUTHERN TRUNK RANGELINE
190	OTTAWA-GLAVIN	455	SPRINGFIELD
195	OTTAWA-ST. JOE	458	CANADIAN-BLACKWELL
220	PIQUA STORAGE	490	RAWLINS-HESSTON
225	QUAPAW	493	OTTAWA-NEOSHO RIVER
235	SEDALIA	495	GRABHAM-WELDA
250	ST. JOE	496	WELDA-OTTAWA
255	SOUTH WELDA STORAGE	497	HOGSHOOTER
260	SOUTHERN TRUNK	498	CAMBRIDGE
265	SUPERIOR		
295	WICHITA-DOUGLASS	0	B85) — LINE SEGMENT NUMBERS
300	WICHITA-OTTAWA	_	S S S S S S S S S S S S S S S S S S S



POOLING LEGEND					
0	RAWLINS-HESSTON POOL (RH)				
2	KANSAS HUGOTON POOL (KH)				
8	STRAIGHT-BLACKWELL POOL (SB)				
4	CANADIAN-BLACKWELL POOL (CB)				
•	SOUTH EDMOND POOL (SE)				
6	6 EDMOND-BLACKWELL POOL (BE)				
0	KANSAS-OTHER POOL (KS)				
8	OKLAHOMA-OTHER POOL (OK)				
9	MARKET AREA POOL (MA)				

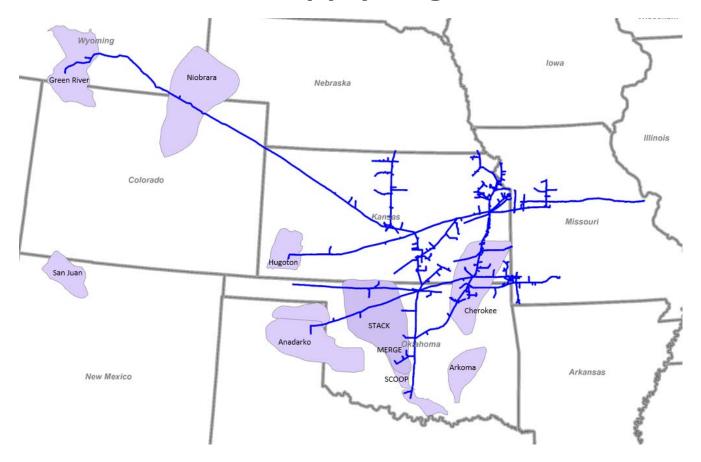


# **Major Markets**





# **Main Supply Regions**





# **Major LDC Utility Customers**

- Spire Energy
- Black Hills Service Company
- Atmos Energy
- City Utilities of Springfield
- Kansas Gas Service, a division of ONE Gas, Inc.
- Oklahoma Natural Gas, a division of ONE Gas, Inc.
- Empire District Gas
- Summit Natural Gas



# **Major Power Utility Customers**

- City Utilities of Springfield
- Empire District Electric
- Evergy
- Oklahoma Gas & Electric
- Kansas City Board of Public Utilities (BPU)



#### FORMS OF SERVICE

- Pooling Service (PS)
- Interruptible Transportation Service (ITS)
- Interruptible Storage Service (ISS)
- Interruptible Storage Service Market Based Rates (IS1)
- Park & Loan Service (PLS)
- Firm Transportation Service (FTS)
- Firm Storage Service (FSS)
- Firm Storage Service Market Based Rates (FS1)
- Trans-Storage Service (TSS)
- Small Trans-Storage Service (STS)
- Small Firm Transportation (SFT)



#### **POOLING SERVICE - PS**

- Available to any pooling shipper
- Aggregation service
- Transportation agreement not required
- PS does not include transportation
- Nominated receipts & deliveries must be balanced each day
- Production area 8 Pools
- Market area 1 Pool
- Cannot nominate from one area pool to another
- No charge for pooling
- Nominations to a pool have the same priority as the downstream transportation agreement



#### **INTERRUPTIBLE TRANSPORT - ITS**

- Available to any shipper
- Available as ITS-P only, ITS-M only, or both
- One-part rate
  - Production Area
    - Commodity: \$0.2861/Dth
  - Market Area
    - Commodity: \$0.2299/Dth



#### **INTERRUPTIBLE STORAGE – ISS**

- Available to any shipper
- Must have FTS, SFT or ITS
- Must be prepared to withdraw storage gas in 45 days
- MSQ cannot exceed 45 times the MDTQ of the associated transportation agreements
- Must nominate injections and withdrawals
- MDIQ restrictions
- Commodity Plus injection and withdrawal fee
  - Commodity: \$0.0028/Dth, applied to the daily storage balance
  - Injection: \$0.0175/DthWithdrawal: \$0.0175/Dth



# **INTERRUPTIBLE STORAGE (MARKET BASED) - IS1**

- Available to any shipper
- Must have FTS, SFT or ITS
- MSQ cannot exceed 100 times the MDTQ of the associated transportation agreements
- Must nominate injections and withdrawals
- MDIQ and MDWQ restrictions
- Storage inventory must be at 25% of MSQ each year by April 1
- Commodity Plus injection and withdrawal fee
  - Commodity: Market based, applied to the daily storage balance
  - Injection: \$0.0175/DthWithdrawal: \$0.0175/Dth



#### PARK & LOAN - PLS

- Available to any shipper
- Interruptible service (lowest priority)
- Available at logical point in production or market area or at pool
- Must be returned at the same point
- PLS does not include transportation
- Fee "based on daily commodity"
  - Production Area
    - Daily Commodity: \$0.2861/Dth
  - Market Area
    - Daily Commodity: \$0.2299/Dth



#### **FIRM TRANSPORT - FTS**

- Stand alone firm transportation service
- Available to any shipper provided space is available
- Available as FTS-P only, FTS-M only, or as both
- Two-part rate "Reservation & Commodity"
  - Production Area
    - Reservation: \$0.2761/Dth of MDTQ per day
    - <u>Commodity:</u> \$0.0100/Dth
  - Market Area
    - Reservation: \$0.2150/Dth of MDTQ per day
    - <u>Commodity:</u> \$0.0149/Dth



#### **FIRM STORAGE - FSS**

- Stand alone firm Storage Service
- Available to any shipper provided storage capacity is available
- Shipper must have Transportation agreement with MDTQ greater than or equal to MDIQ & MDWQ
- Must nominate injections and withdrawals
- MDIQ restrictions
- MSQ equals MDWQ times 33
- Two-part rate "Reservation & Commodity", Injection and Withdrawal
  - Deliverability Reservation: \$0.0474/Dth of MDWQ per Day
  - Capacity Reservation: \$0.0014/Dth of MSQ per day
  - Injection: \$0.0175/DthWithdrawal: \$0.0175/Dth



# FIRM STORAGE – FSS - INJECTION RATCHETS

MSQ Balance	MDIQ
Less than 62.5% of MSQ	.75% * MSQ
Greater than 62.5% and Less than 75%	.625% * MSQ
Greater than 75% and Less than 87.5%	.375% * MSQ
Greater than or equal to 87.5%	.25% * MSQ



# FIRM STORAGE (MARKET BASED) - FS1

- Available to any shipper
- Must have FTS, SFT or ITS
- MSQ cannot exceed 100 times the MDTQ of the associated transportation agreements
- Must nominate injections and withdrawals
- MDIQ and MDWQ restrictions
- Storage inventory must be at 25% of MSQ each year by April 1
- Commodity plus Injection and Withdrawal Fee
  - **Reservation:** Market based, MSQ x Reservation Rate
  - Injection: \$0.0175/DthWithdrawal: \$0.0175/Dth



#### TRANS-STORAGE – TSS

- No-Notice Service "only nominate receipts and non-primary deliveries"
- Bundled firm transportation and storage
- Available to any shipper provided space is available
- Available as TSS-P only, TSS-M Only or as both
- 1/3 1/2 from flowing gas
- 1/2 2/3 from storage
- Two-part rate "Reservation & Commodity"



#### TRANS-STORAGE – TSS – RATE STRUCTURE

#### O Production Area

- Reservation-FSS-Deliverability: \$0.0474/Dth of MDWQ per Day
- ➤ Reservation-FSS-Capacity: \$0.0014/Dth of MSQ per day
- ➤ Reservation-FTS-P: \$0.2761/Dth of MDTQ per day
- ➤ Injection-FSS: \$0.0175/Dth
- ➤ Withdrawal-FSS: \$0.0175/Dth
- ➤ Commodity-FTS-P: \$0.0100/Dth

#### Market Area

- Reservation-FSS-Deliverability: \$0.0474/Dth of MDWQ per Day
- ➤ Reservation-FSS-Capacity: \$0.0014/Dth of MSQ per day
- ➤ Reservation-FTS-P: \$0.2761/Dth of Production MDTQ per day (if applicable)
- ➤ Reservation-FTS-M: \$0.2150/Dth of Market MDTQ per day
- ➤ Injection-FSS: \$0.0175/Dth
- ➤ Withdrawal-FSS: \$0.0175/Dth
- Commodity-FTS-P: \$0.0100/Dth (if applicable)
- Commodity-FTS-M: \$0.0149/Dth



#### **SMALL CUSTOMER - TRANS-STORAGE - STS**

- Small Customer No-Notice Service
- Bundled firm transportation and storage
- Available to LDC or municipality whose total demand is less than 10,000 Dth/d
- 1/3 1/2 from flowing gas
- 1/2 2/3 from storage
- Cannot release capacity
- One part rate
  - Production Area
    - Commodity: \$1.7312/Dth
  - Market Area
    - Commodity-STS-P: \$0.7298/Dth (if applicable)
    - Commodity-STS-M: \$1.2781/Dth



#### **SMALL CUSTOMER**

#### FIRM TRANSPORT - SFT

- Stand alone small customer firm transportation service
- Available to LDC or municipality whose total demand is less than 10,000 Dth/d
- Available as SFT-P only, SFT-M Only or as both
- One part rate
  - Production Area
    - Commodity: \$1.4317/Dth
  - Market Area
    - Commodity-SFT-P: \$0.7298/Dth (if applicable)
    - Commodity-SFT-M: \$1.0108/Dth



#### **CRM SURCHARGE**

#### • Effective 3/1/2023

#### Production Area

- **\$0.0109**
- Applied to TSS-P, FTS-P, STS-P, SFT-P, ITS-P

#### Market Area

- **\$0.0072**
- Applied to TSS-M, FTS-M, STS-M, SFT-M, ITS-M

#### Storage

- **\$0.0020**
- Applied to FSS, ISS, TSS-P, TSS-M, STS-P, STS-M



# FUEL REIMBURSEMENT PERCENTAGES FOR ALL RATE SCHEDULES

Effective April 1, 2023\*

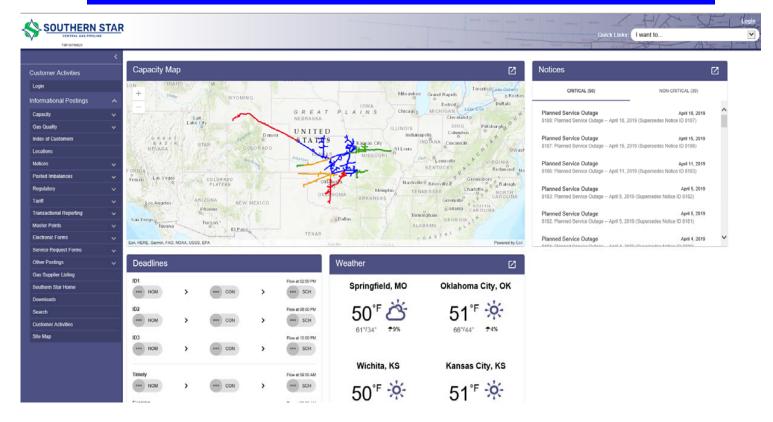
	Minimum %	<u>Maximum %</u>	
Storage Injection	3.24	3.24	
<b>Production Area</b>	0.12	0.80	
Market Area	0.12	0.58	



<sup>\*</sup>Adjusted April 1st of each year

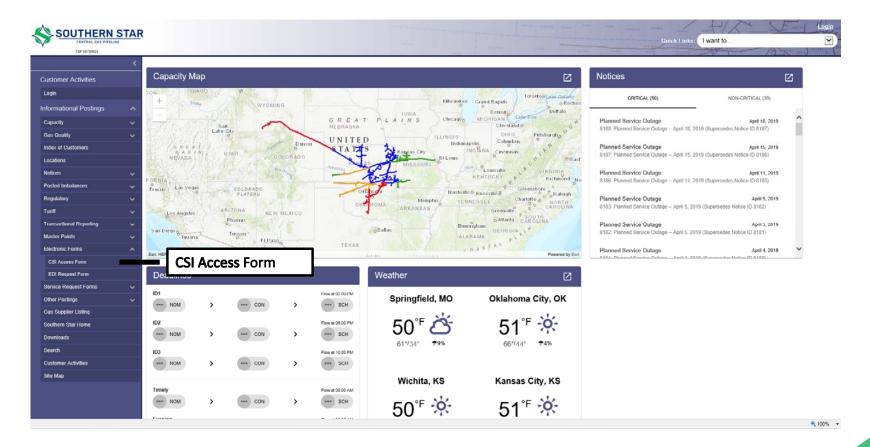
# **CUSTOMER SERVICE INNOVATION (CSI)**

# HTTPS://CSI.SOUTHERNSTAR.COM



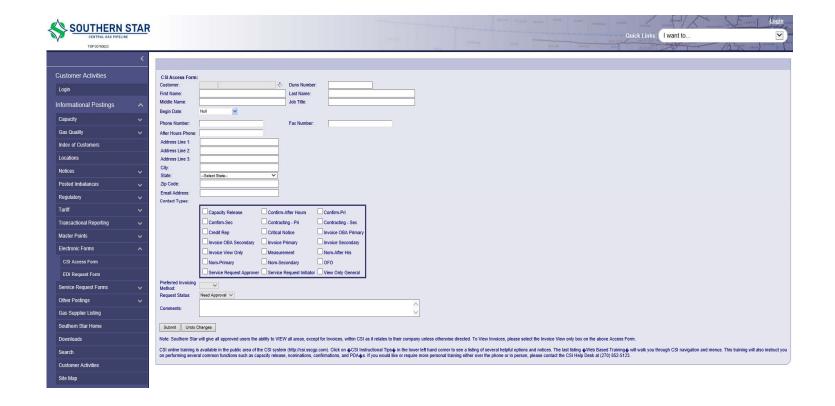


#### **ACCESS TO CSI**



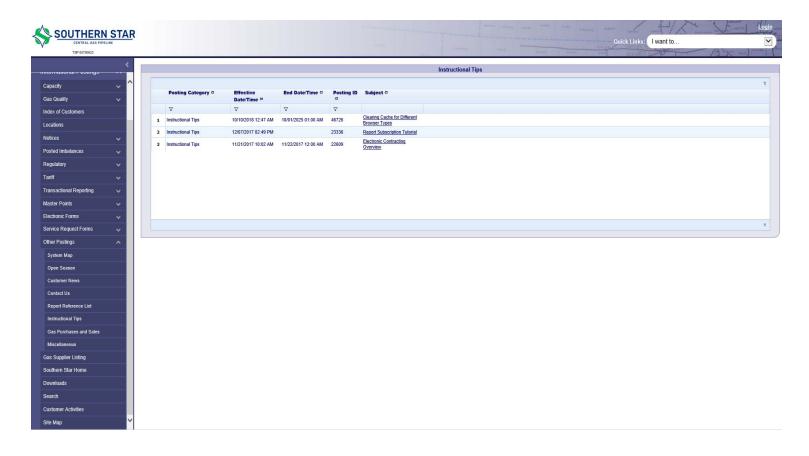


# **COMPLETE "CSI ACCESS FORM"**



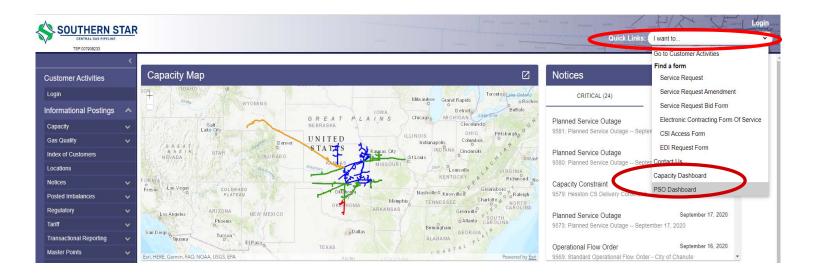


## **CSI: LOG IN TO SECURED AREA**





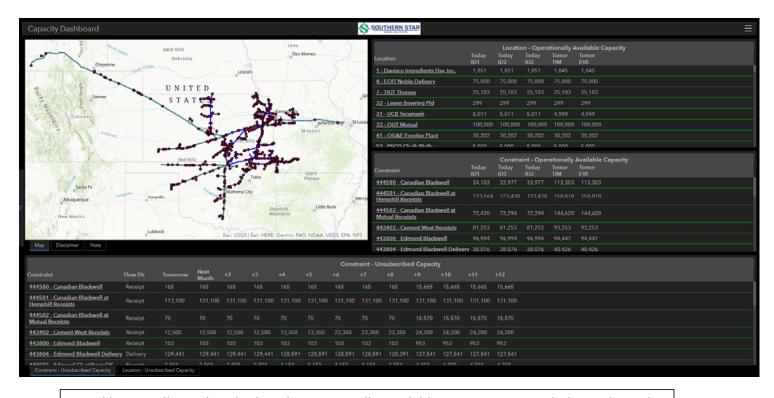
#### **PSO AND AVAILABLE CAPACITY DASHBOARDS**



Access the PSO and Capacity Dashboards through the Quick Links on CSI No Login necessary



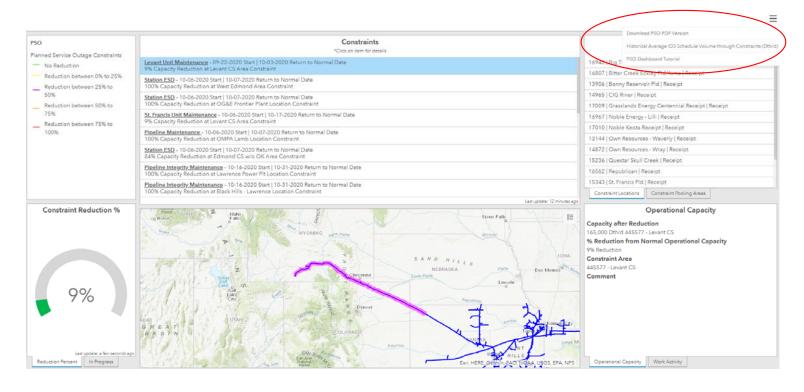
#### **AVAILABLE CAPACITY DASHBOARD**



Quickly view all Unsubscribed, and Operationally Available Capacity on a Cycle-by-Cycle, Daily, and Term basis



#### **PSO DASHBOARD**

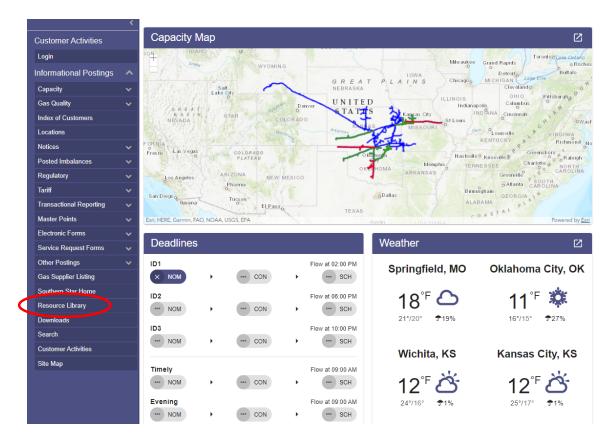


Quickly access maintenance information: Constraints and locations affected, volume reductions, duration.

Dashboard Tutorial and PDF version available by accessing the Options in the top right corner.



## **RESOURCE LIBRARY**





# **RESOURCE LIBRARY CONTINUED**





# **SCHEDULING DEADLINES**

#### **Intraday (Same Day)**

Nomination Deadline	Confirmation Deadline	Scheduled Quantity	Effective	Bumping	Nom. Type Ind.
10:00 a.m.	12:30 a.m.	1:00 p.m.	2:00 p.m.	Yes	(ID1)
2:30 p.m.	5:00 p.m.	5:30 p.m.	6:00 p.m.	Yes	(ID2)
7:00 p.m.	9:30 p.m.	10:00 p.m.	10:00 p.m.	No	(ID3)

#### Timely/Evening (Next Day)

Nomination Deadline	Confirmation Deadline	Scheduled Quantity	Effective	Bumping	Nom. Type Ind.
1:00 p.m.	4:30 p.m.	5:00 p.m.	9:00 a.m.	Yes	(T)
6:00 p.m.	8:30 p.m.	9:00 p.m.	9:00 a.m.	Yes	(E)

The end date for nominations and reports is an "up to" date, not an inclusive date.



#### IMBALANCE CALCULATION

- Current Imbalance equals allocated deliveries less net receipts
   (allocated receipts less fuel), including any prior month adjustments.
  - Positive Imbalances are owed from the Customer to SSC.
  - Negative imbalances are owed from SSC to the Customer.
- Cumulative Imbalances include prior month ending imbalances, current month imbalance, and any transfers or storage transactions.



#### **CUSTOMER IMBALANCES**

For cash out purposes, imbalances are summarized at the customer level.

The customer summary includes transportation and pooling agreements.

This summary <u>does not</u> include Park & Loan or Storage agreements.



#### **CASH OUT CALCULATION**

- Month 1 The first month there are out of tolerance volumes, no cash out is calculated.
- Month 2 The second month a customer is <u>out of tolerance in the same direction</u>, a cash out will be calculated on the lowest out of tolerance of the two months:
  - o greater of 1,000 Dth or + 5% of actual deliveries



#### CASH OUT CALCULATION

Net monthly imbalances which are not resolved by the end of the first month following the month in which the imbalance occurred, and which exceed the greater of (1) 1,000 Dth, or (2)  $\pm$  5% of actual deliveries to the Customer shall be cashed out according to the following schedules:

Receipts in excess of deliveries shall be purchased by SSC from the shipper at the following prices:

Up to 5% or 1000 Dth N/A

 $\geq$  5% but less than 10% .7 x spot price  $\geq$  10% but less than 15% .6 x spot price  $\geq$  15% .5 x spot price

Deliveries in excess of receipts shall be sold by SSC to the shipper at the following prices:

Up to 5% or 1000 Dth N/A

 $\geq$  5% but less than 10% 1.3 x spot price  $\geq$  10% but less than 15% 1.4 x spot Price  $\geq$  15% 1.5 x spot price





**Questions?** 

Please contact any Southern Star Representative