

# MONTHLY UPDATE

**2:00 pm CCT**

**October 24, 2019**



**SOUTHERN STAR**  
CENTRAL GAS PIPELINE



# AGENDA

- Safety Moment
- PSO / Storage / Winter Notices
- Capacity Planning
- CSI Updates
- Marketing & Customer Service
- Contract Administration
- Scheduling
- Commercial Services
- Q&A

# **PSO**


## **(PLANNED SERVICE OUTAGE)**



**Chad Priar**

**Former Role: Business Development**

**New Role: Power Desk and Operations Specialist**



**SOUTHERN STAR**  
CENTRAL GAS PIPELINE  
TSP 00790623

Customer Activities

Login

Informational Postings

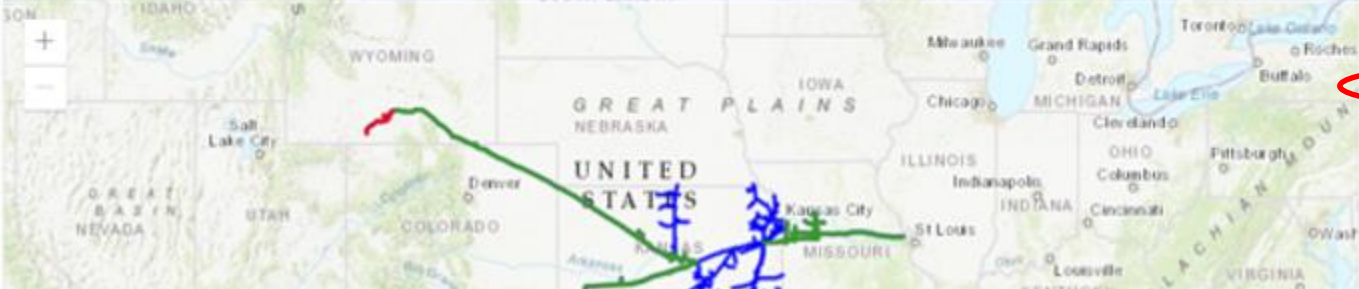
Capacity

Gas Quality

Index of Customers

Locations

Capacity Map



Quick Links:

I want to...  
Go to Customer Activities  
**Find a form**  
Service Request  
Service Request Amendment  
Service Request Bid Form  
Electronic Contracting Form Of Service  
CSI Access Form  
EDI Request Form  
Contact Us  
**PSO Dashboard**

**PSO**  
Planned Service Outage  
Constraints

No Reduction

Reduction between 0% to 25%

Reduction between 25% to 50%

Reduction between 50% to 75%

Reduction between 75% to 100%

**Unit Maintenance, NEC Panel, and Electronic Fuel Checks** - 9/3/2019 to 11/1/2019  
9% Capacity Reduction at Levant CS Area Constraint

**Saginaw Turbine Maintenance and Modernization Upgrades** - 9/23/2019 to 10/26/2019  
38% Capacity Reduction at Saginaw CS Area Deliveries Area Constraint

**Smart Pigging** - 10/22/2019 to 10/24/2019  
100% Capacity Reduction at Oklahoma Cogeneration Plant Location Constraint

**Smart Pigging** - 10/22/2019 to 10/24/2019  
0% Capacity Reduction at South Maysville Delivery Area Constraint

**Smart Pigging** - 10/22/2019 to 10/24/2019  
77% Capacity Reduction at South Maysville Receipt Area Constraint

**Smart Pigging** - 10/22/2019 to 10/24/2019  
50% Capacity Reduction at NGPL Carter Location Constraint

**Blackwell North Station ESD Testing & Grabham Station ESD Testing** - 10/23/2019 to 10/24/2019  
45% Capacity Reduction at Blackwell CS Area Constraint

**Constraints**  
\*Click on item for details

Download PSO PDF Version

Historical Average ID3 Schedule Volume through Constraints (Dth/d)  
16  
44121 | Alfalfa City Ok | Delivery  
167 | Amarillo NG Canadian | Delivery  
17404 | Anderson | Delivery  
162 | Arkla Woodward Co. Delivery | Delivery  
904 | Arnett | Delivery  
17406 | Ash Grove, Walnut Grove & Wil | Delivery  
17408 | Aurora | Delivery  
38522 | Avant Utilities | Delivery  
38522 | Avant Utilities | Delivery  
2008 | Barnsdall | Delivery  
2008 | Barnsdall | Delivery

Constraint Locations

Constraint Pooling Areas

Last update: a few seconds ago

## PSO Updates

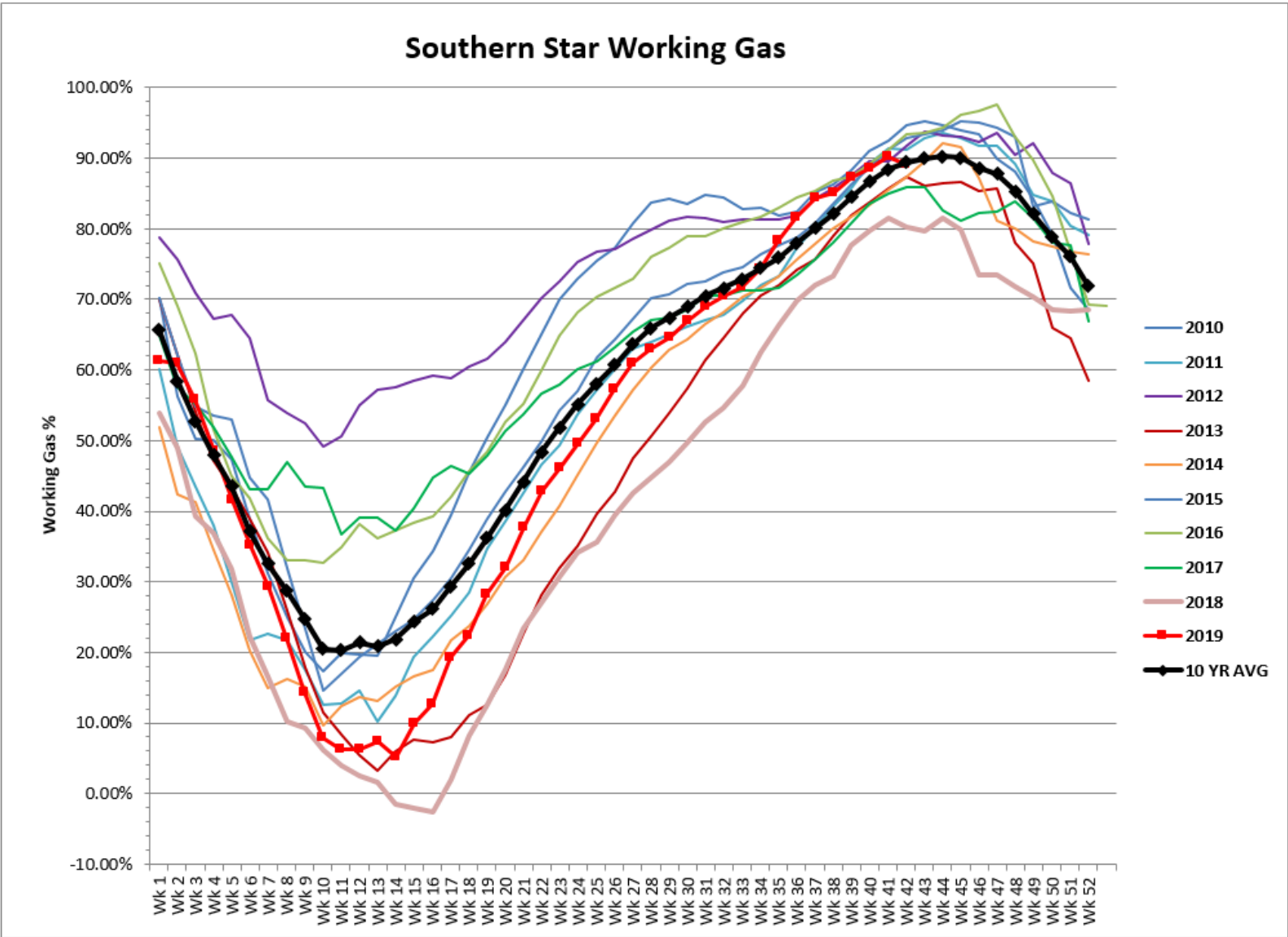
- Blackwell outages due to turbine installation have been removed
- Smart pigging South of Edmond reduced by 1 day and added new day October 30<sup>th</sup> due to vendor tool availability delay
- Smart Pigging Blackwell Edmond capacity reduced from 40k to 30k at location 445535
- Ratliff unit maintenance extended 1 day in December

Southern Star 2019 Planned Service Outage						
Work Activity					Operational Capacity Information	
Status	Projected Start Date	Projected Return To Normal Date	Location	Type Of Work	Capacity After Reduction Formatted	Reduction Percent Formatted
	Sep 3, 2019	Nov 1, 2019	Rawlins Hesston	Unit Maintenance, NEC Panel, and Electronic Fuel Checks	165,000 Dth/d Levant CS (Location 445577)	9% Reduction - (Location 445577 - Levant CS)
	Sep 23, 2019	Oct 26, 2019	Saginaw C/S	Saginaw Turbine Maintenance and Modernization Upgrades	150,000 Dth/d Saginaw CS Area Deliveries (Location 444550)	38% Reduction - (Location 444550 - Saginaw CS Area Deliveries)
Revised	Oct 22, 2019	Oct 24, 2019	South of Edmond	Smart Pigging	30,000 Dth/d South Maysville Receipt (Location 444002) 75,000 Dth/d NGPL Carter (Location 17069) 0 Dth/d Oklahoma Cogeneration Plant (Location 41) 0 Dth/d South Maysville Delivery (Location 444003)	77% Reduction - (Location 444002 - South Maysville Receipt) 50% Reduction - (Location 17069 - NGPL Carter) 100% Reduction - (Location 41 - Oklahoma Cogeneration Plant) 100% Reduction - (Location 444003 - South Maysville Delivery)
	Oct 23, 2019	Oct 24, 2019	Blackwell C/S & Grabham C/S	Blackwell North Station ESD Testing & Grabham Station ESD Testing	320,000 Dth/d Blackwell CS (Location 445511) 320,000 Dth/d Blackwell CS (Location 445511)	45% Reduction - (Location 445511 - Blackwell CS) 45% Reduction - (Location 445511 - Blackwell CS)
New	Oct 29, 2019	Oct 31, 2019	Americus C/S	Americus Unit Maintenance	42,000 Dth/d Westar Emporia Energy (Location 16933)	72% Reduction - (Location 16933 - Westar Emporia Energy)
New	Oct 30, 2019	Oct 31, 2019	Oklahoma County, OK	Smart Pigging	75,000 Dth/d NGPL Carter (Location 17069) 0 Dth/d Oklahoma Cogeneration Plant (Location 41) 35,000 Dth/d South Maysville Receipt (Location 444002) 0 Dth/d South Maysville Delivery (Location 444003)	50% Reduction - (Location 17069 - NGPL Carter) 100% Reduction - (Location 41 - Oklahoma Cogeneration Plant) 73% Reduction - (Location 444002 - South Maysville Receipt) 100% Reduction - (Location 444003 - South Maysville Delivery)
Revised	Nov 19, 2019	Nov 23, 2019	Blackwell Edmond	Smart Pigging	0 Dth/d ETC - Crescent (Location 16999) 0 Dth/d EOIT Noble (Location 15011) 75,000 Dth/d NGPL Carter (Location 17069) 30,000 Dth/d Edmond CS w/ OK (Location 445535)	100% Reduction - (Location 16999 - ETC - Crescent) 100% Reduction - (Location 15011 - EOIT Noble) 50% Reduction - (Location 17069 - NGPL Carter) 76% Reduction - (Location 445535 - Edmond CS w/ OK)
Revised	Dec 3, 2019	Dec 5, 2019	Ratliff C/S	Ratliff Unit Maintenance	40,000 Dth/d NGPL Carter (Location 17069)	73% Reduction - (Location 17069 - NGPL Carter)

# STORAGE UPDATE

# Storage Updates

- Storage Inventories are right at the 10-year average nearly 90% full, as we near peak inventories keep within contractual rights
- Winter Weather Watch
  - Colder than normal temperatures forecasted
  - Makeup for ISS withdrawals, PLS withdrawals, incremental loans, and other off system activity limited
  - Typically issued for temperatures 15°- 20° in our Market Area
- Winter Weather Warning
  - Significant cold front forecasted
  - Firm Storage withdrawals limited to MDWQ
  - TSS/STS contracts need to ensure flowing gas to storage gas withdrawal is per contractual agreement
  - Makeup for ISS withdrawals, PLS withdrawals, incremental loans, and other off system activity not available
  - Typically issued for temperatures below 15°





# **CAPACITY PLANNING**



# AVAILABLE CAPACITY

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
195 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	
300 WICHITA-OTTAWA	

185 — LINE SEGMENT NUMBERS

## POOLING LEGEND

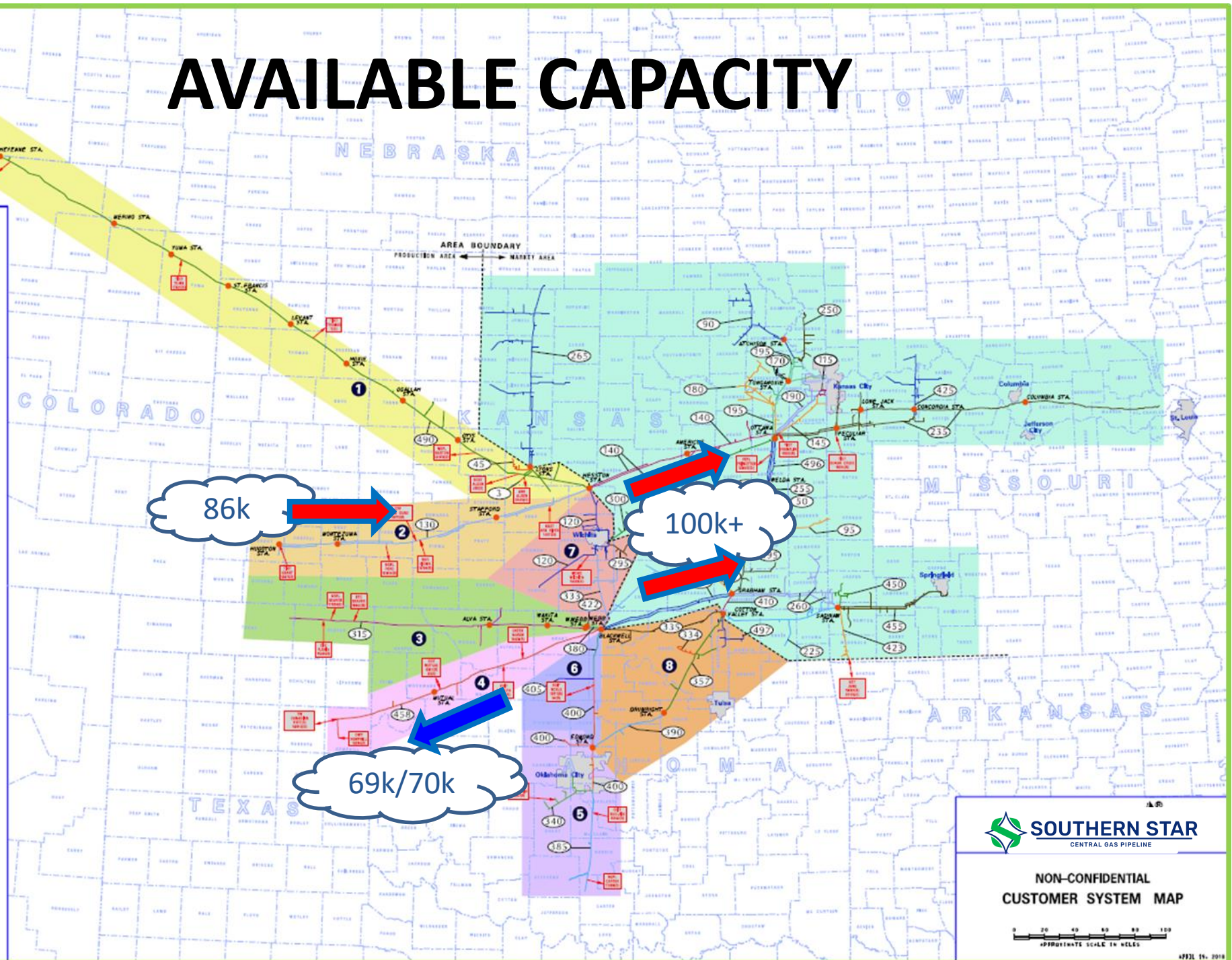
- 1 RAWLINS-HESSTON POOL (RH)
- 2 KANSAS HUGOTON POOL (KH)
- 3 STRAIGHT-BLACKWELL POOL (SB)
- 4 CANADIAN-BLACKWELL POOL (CB)
- 5 SOUTH EDMOND POOL (SE)
- 6 EDMOND-BLACKWELL POOL (BE)
- 7 KANSAS-OTHER POOL (KS)
- 8 OKLAHOMA-OTHER POOL (OK)
- 9 MARKET AREA POOL (MA)

## INTERCONNECTIONS WITH OTHER COMPANIES



## INTERCONNECTING COMPANY ABBREVIATION LIST

AMR	AMR PIPELINE COMPANY
BMM	BLUE MOUNTAIN MIDSTREAM
CIG	COLORADO INTERSTATE GAS CO.
CPP	CHEYENNE PLAINS
EGT	ENABLE GAS TRANSMISSION
EOIT	ENABLE OKLAHOMA INTRASTATE TRANSMISSION
ETC	ETC FIELD SERVICES
KUST	KANSAS GAS SERVICE TRANSMISSION (ONE GAS)
MCMC	MID-CONTINENT MARKET CENTER
NSPL	NATURAL GAS PIPELINE CO. OF AMERICA
NNG	NORTHERN NATURAL GAS CO.
OAT	ONEOK GAS TRANSPORTATION
OKTEX	OKTEX PIPELINE COMPANY
OWT	ONEOK WESTEX TRANSMISSION
PEPL	PANHANDLE EASTERN PIPELINE CO.
PSCO	PUBLIC SERVICE CO. OF COLORADO (XCEL)
QUESTAR	QUESTAR PIPELINE COMPANY
TIGT	TALLGRASS INTERSTATE GAS TRANSMISSION
TW	TRANSWESTERN PIPELINE COMPANY



**SOUTHERN STAR**  
CENTRAL GAS PIPELINE

NON-CONFIDENTIAL  
CUSTOMER SYSTEM MAP

0 20 40 60 80 100  
APPROXIMATE SCALE IN MILES

APRIL 16, 2018

# CSI UPDATES

# CSI – 2019 UPDATES

- Rate Adjustments
- Capacity Release Enhancements
- Training

**MARKETING  
&  
CUSTOMER SERVICE**

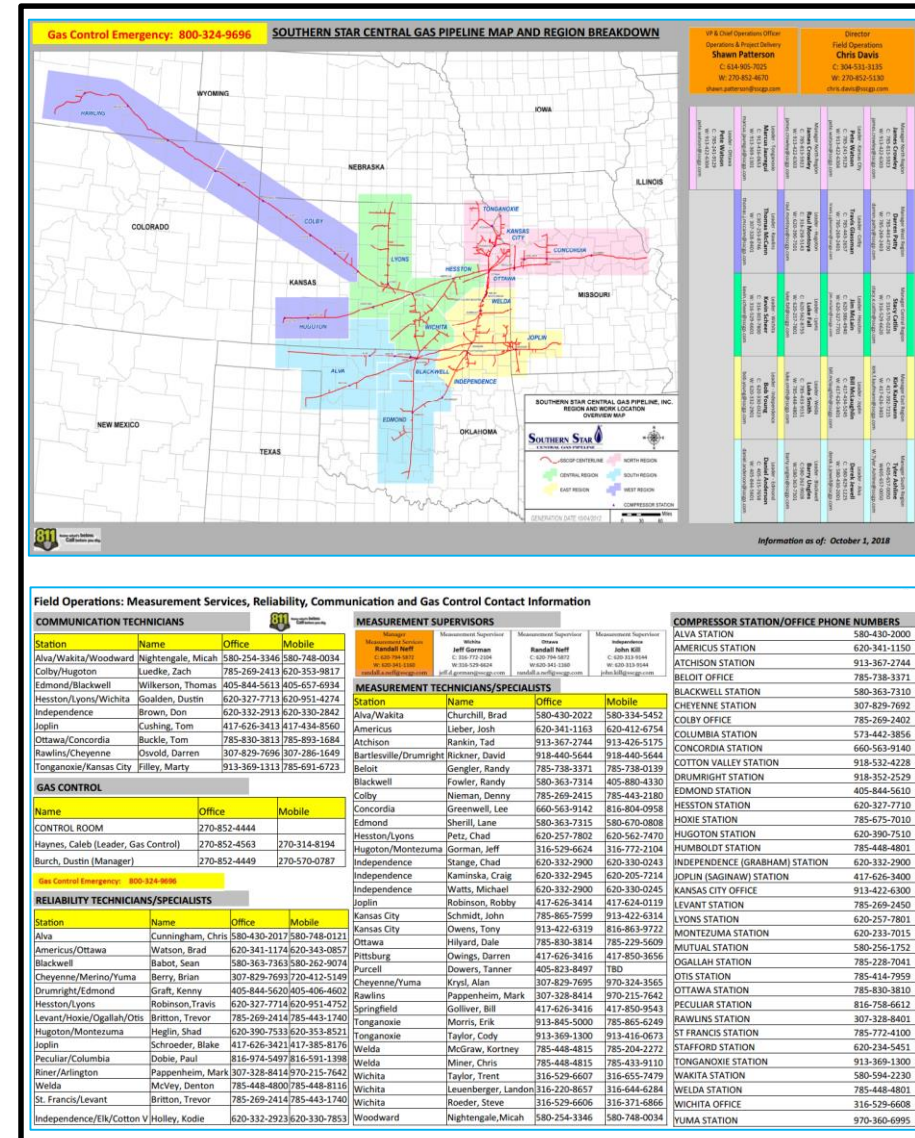


# CSI CONTACT LIST

Contact us with questions any time

<https://csimain.southernstar.com/App/InformationalPostings/OtherPostings/ContactUs>

SOUTHERN STAR COMMERCIAL SERVICES			
<b>Team Wilson, VP, CTO &amp; COO</b> T. Wilson C: 210-512-1412 F: 210-512-1400 twilson@southernstar.com	<b>Marketing &amp; Customer Service</b> Katie Hines, Manager K. Hines C: 210-512-1400 F: 210-512-1400 khines@southernstar.com	<b>Capacity Planning and Capacity Scheduling</b> Katie Hines, Manager K. Hines C: 210-512-1400 F: 210-512-1400 khines@southernstar.com	<b>Field Operations, Measurement, Reliability, Communication and Gas Control</b> Katie Hines, Manager K. Hines C: 210-512-1400 F: 210-512-1400 khines@southernstar.com
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Future Topic Recommendation

Email -> [Robin.Joska@southernstar.com](mailto:Robin.Joska@southernstar.com)

# **OPEN SEASONS**

**(AVAILABLE CAPACITY)**

- **Benefits:**

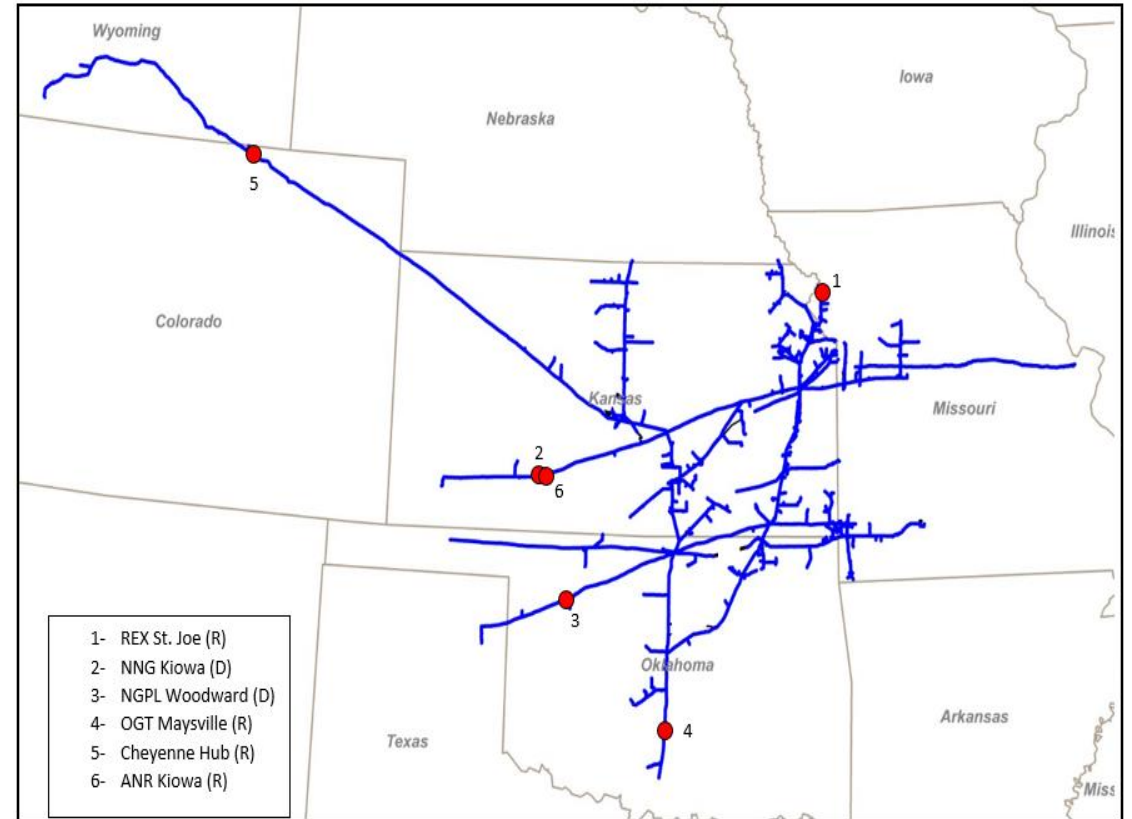
- **Transparent**
- **Timeline flexibility**
- **Address large customer audience at once**
- **Non-discriminatory**

- **Kansas Hugoton (KH) capacity Open Season is underway**  
**Service may commence Nov 1, 2019**  
**Bid Period ends tomorrow Oct 25, 2019 @ 12:00 PM CCT**

# NEW PIPELINE INTERCONNECTS

- Rex St. Joe (R)
- NNG Kiowa (D)
- NGPL Woodward (D)
- OGT Maysville (R)

These four interconnects are scheduled to be active by the end of 2019. Please reach out to your customer service representative if you have any questions.





# **CONTRACT ADMINISTRATION**

# ROFR/EVERGREEN

**ROFR**-(The Right of First Refusal) the right of a shipper to keep firm capacity currently under contract, by matching another party's bid for that capacity. Applicable only to Firm Contracts

- **See Section 6 in the Tariff- General Terms & Conditions**
- Term is 12 months or more in length
- @ Max Rates
- Capacity must be posted for bidding at least 6 months prior to termination- ROFR Posted if not amended to extend the term prior to the post date. Shipper has the right to match bid, and Southern Star has the right not to accept any bids that are less than Max tariff rates.

**EVERGREEN**- is applicable to Firm Contracts Only

- Term is 5 continuous years or more @ Max Rates
- Eligible contracts automatically roll for successive five-year term unless terminated by 12 month advance written notice by either party.

**\*A Courtesy Notification Letter is sent from the Customer Service Reps to remind them of approaching deadlines on both.**

# SCHEDULING

# SCHEDULING UPDATES

- EDI fixes
- Internal CSI upgrades
- New Scheduling Team Member:
  - Shawn Brumfield
  - ICE: Sbrumfield
  - [Shawn.Brumfield@southernstar.com](mailto:Shawn.Brumfield@southernstar.com)
  - (270) 852-4629



# CONTACT FOR SCHEDULING DEPARTMENT

- If you need to contact anyone in the scheduling department, please use our group email:

sscnom@southernstar.com

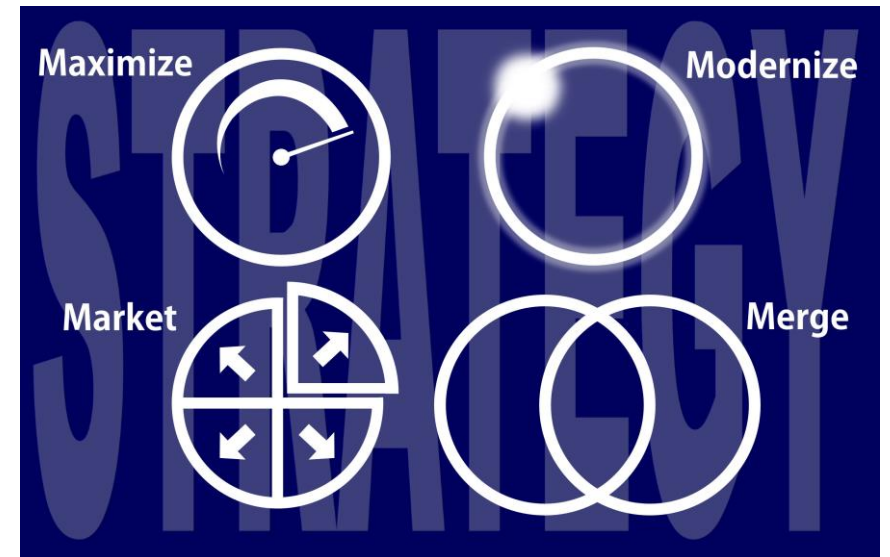
855-730-2926

- Beginning October 1 the following email address will not be active:
  - sscnom2@....
  - ssc\_nom@....

# COMMERCIAL SERVICES

# ENERGY INSIGHTS

- Energy Insights Survey is an invaluable part of our Customer Service culture, and significantly contributes to the Perception factor of our company goals.
- This year's survey ran from late-August through September. Thanks to all customers for their time and participation. We take your feedback seriously and will develop action plan to address your concerns and suggestions.





# Commercial Services Departmental Changes



**Buster Ashley**  
Customer Service Rep



**David Tipmore**  
Business Analyst



**Stephanie Hathaway**  
Business Analyst



**Julie Price**  
Customer Contract Admin Analyst

**QUESTIONS**

