



SOUTHERN STAR

CENTRAL GAS PIPELINE

MONTHLY UPDATE

2:00 PM CCT

FEBRUARY 19, 2020





SOUTHERN STAR

CENTRAL GAS PIPELINE

Agenda

- Safety Moment
- PSO / Storage
- Capacity Planning
- Capacity Scheduling
- CSI Updates
- Marketing & Customer Service
- Integrity and Reliability
- Rates
- Trivia
- Q&A





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SAFETY MOMENT/ PEDTEXTRIAN





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PSO (Planned Service Outage)



- 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**

Customer Activities

Login

Informational Postings

Capacity

Gas Quality

Index of Customers

Locations

Capacity Map



Constraints

*Click on item for details

- Unit Maintenance** - 2/25/2020 to 2/27/2020
73% Capacity Reduction at NGPL Carter Location Constraint
- Line R Smart Pigging** - 3/17/2020 to 3/19/2020
100% Capacity Reduction at Cheyenne Plains - Sand Dune Location Constraint
- Line R Smart Pigging** - 3/17/2020 to 3/19/2020
67% Capacity Reduction at KH - Ford Co. Receipt Area Constraint
- Line R Smart Pigging** - 3/17/2020 to 3/19/2020
50% Capacity Reduction at Montezuma CS Area Constraint
- Line R Smart Pigging** - 3/17/2020 to 3/19/2020
75% Capacity Reduction at Scout - Jayhawk Location Constraint
- Line R Smart Pigging** - 4/1/2020 to 4/3/2020
75% Capacity Reduction at Scout - Jayhawk Location Constraint
- Line R Smart Pigging** - 4/1/2020 to 4/3/2020
50% Capacity Reduction at Montezuma CS Area Constraint
- Line R Smart Pigging** - 4/1/2020 to 4/3/2020
67% Capacity Reduction at KH - Ford Co. Receipt Area Constraint
- Line R Smart Pigging** - 4/1/2020 to 4/3/2020

Download PSO PDF Version

Historical Average ID3 Schedule Volume through Cor

30804 Abbyville Delivery
30804 Abbyville Delivery
16991 Access Midstream North Alva Delivery
16991 Access Midstream North Alva Delivery
16991 Access Midstream North Alva Delivery
44121 Alfalfa City Ok Delivery
44121 Alfalfa City Ok Delivery
44121 Alfalfa City Ok Delivery
26304 Alma Delivery
167 Amarillo NG Canadian Delivery
167 Amarillo NG Canadian Delivery
167 Amarillo NG Canadian Delivery
17035 Ameren Columbia Delivery
17035 Ameren Columbia Delivery
17035 Ameren Columbia Delivery

Constraint Locations

Constraint Pooling Areas

Last update: a minute ago



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
	Feb 25, 2020	Feb 27, 2020	South of Edmond	Ratliff Unit Maintenance	40,000 Dth/d NGPL Carter (Location 17069)	73% Reduction - (Location 17069 - NGPL Carter)
Revised	Feb 25, 2020	Feb 26, 2020	Kansas Hugoton	Pipeline Integrity Piggig	0 Dth/d Cheyenne Plains - Sand Dune (Location 16813) 0 Dth/d Northern Natural-Kiowa (Location 17096)	100% Reduction - (Location 16813 - Cheyenne Plains - Sand Dune) 100% Reduction - (Location 17096 - Northern Natural-Kiowa)
	Mar 17, 2020	Mar 19, 2020	Kansas Hugoton	Line R Smart Piggig	0 Dth/d Cheyenne Plains - Sand Dune (Location 16813) 0 Dth/d Northern Natural-Kiowa (Location 17096) 100,000 Dth/d KH - Ford Co. Receipt (Location 441302) 150,000 Dth/d Montezuma CS (Location 445538) 150,000 Dth/d Scout - Jayhawk (Location 16289)	100% Reduction - (Location 16813 - Cheyenne Plains - Sand Dune) 100% Reduction - (Location 17096 - Northern Natural-Kiowa) 50% Reduction - (Location 445538 - Montezuma CS) 67% Reduction - (Location 441302 - KH - Ford Co. Receipt) 75% Reduction - (Location 16289 - Scout - Jayhawk)
	Mar 25, 2020	Mar 28, 2020	Hemphill Texas	Pipeline Maintenance	0 Dth/d Canadian Blackwell @ Mutual Receipts (Location 444582) 0 Dth/d ETC Texas Pipeline Hemphill (Location 16621) 0 Dth/d Oneok Westex Hemphill (Location 16584) 0 Dth/d Superior - Hemphill (Location 16820)	100% Reduction - (Location 16584 - Oneok Westex Hemphill) 100% Reduction - (Location 16621 - ETC Texas Pipeline Hemphill) 100% Reduction - (Location 16820 - Superior - Hemphill) 100% Reduction - (Location 444582 - Canadian Blackwell @ Mutual Receipts)
	Apr 1, 2020	Apr 3, 2020	Kansas Hugoton	Line R Smart Piggig	0 Dth/d Cheyenne Plains - Sand Dune (Location 16813) 0 Dth/d Northern Natural-Kiowa (Location 17096) 100,000 Dth/d KH - Ford Co. Receipt (Location 441302) 150,000 Dth/d Montezuma CS (Location 445538) 150,000 Dth/d Scout - Jayhawk (Location 16289)	100% Reduction - (Location 16813 - Cheyenne Plains - Sand Dune) 100% Reduction - (Location 17096 - Northern Natural-Kiowa) 50% Reduction - (Location 445538 - Montezuma CS) 67% Reduction - (Location 441302 - KH - Ford Co. Receipt) 75% Reduction - (Location 16289 - Scout - Jayhawk)





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CENTRAL GAS PIPELINE

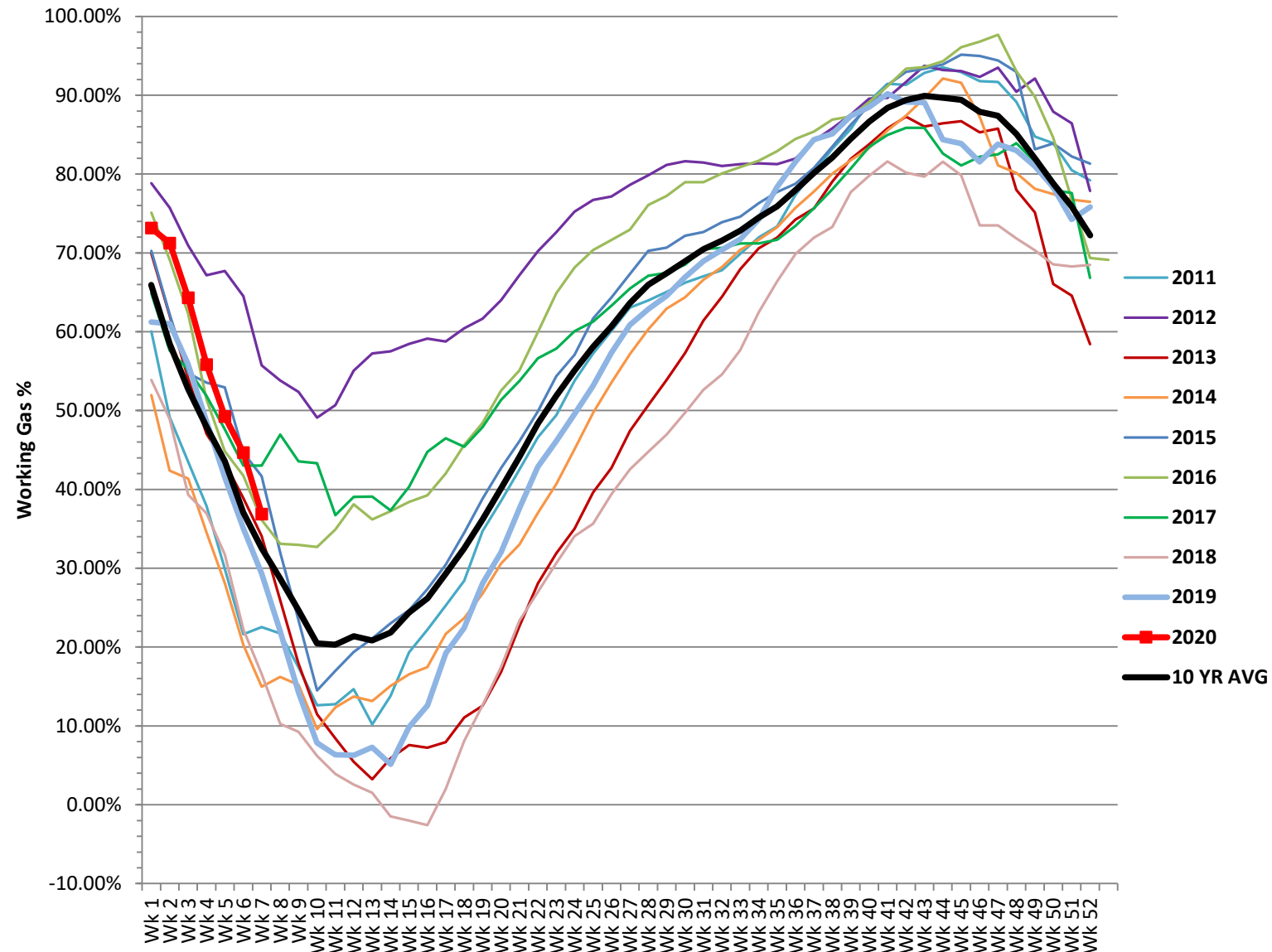
STORAGE UPDATE



Storage Updates

- It has been a warmer than average Winter with brief cold snaps to help pull storage inventories down
- Currently 4% over the 10-year average
- Pulled 3.6Bcf out of storage over the last week
- February forecasted to end mild
- 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°

Southern Star Working Gas





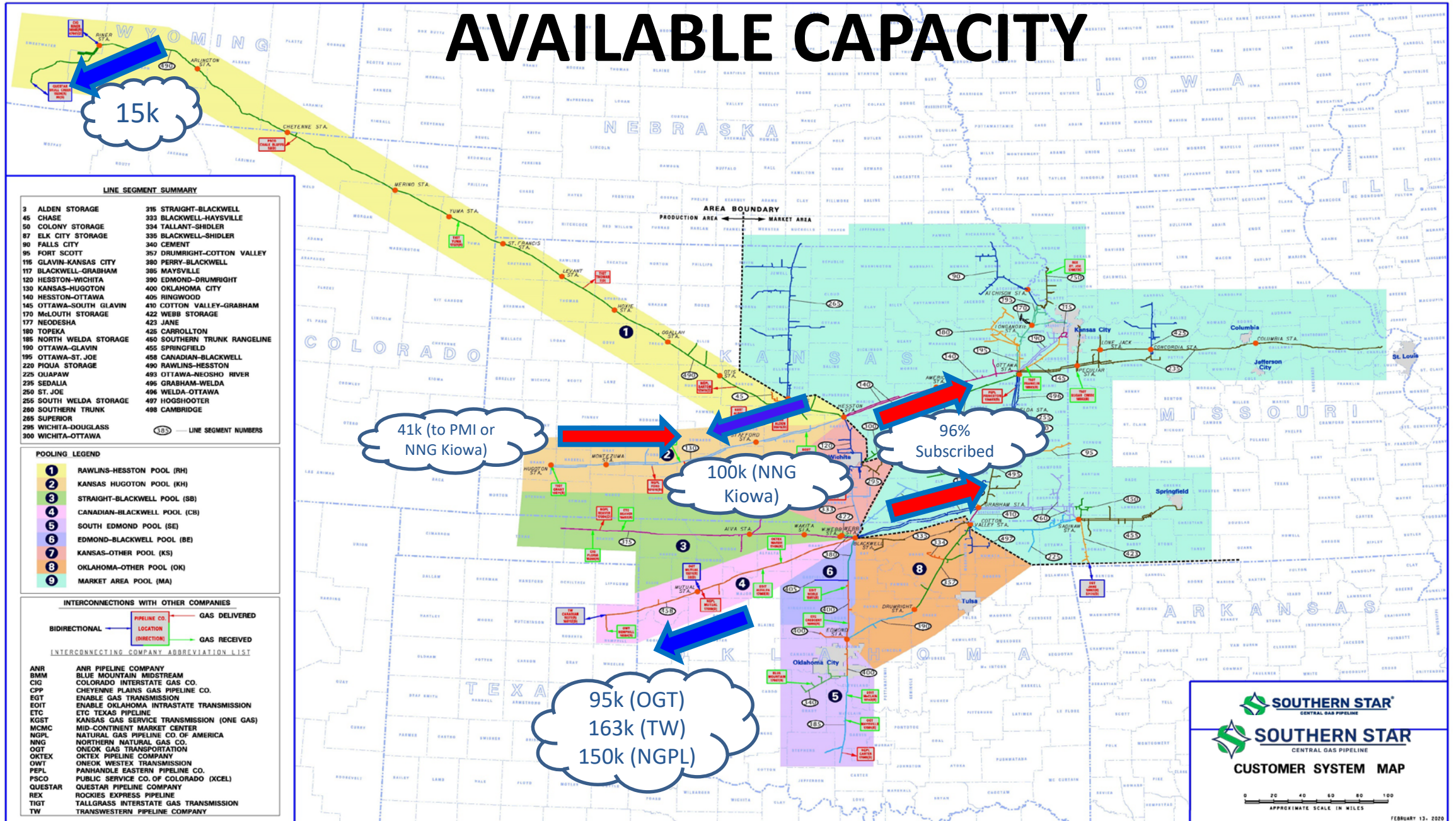
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Capacity Planning

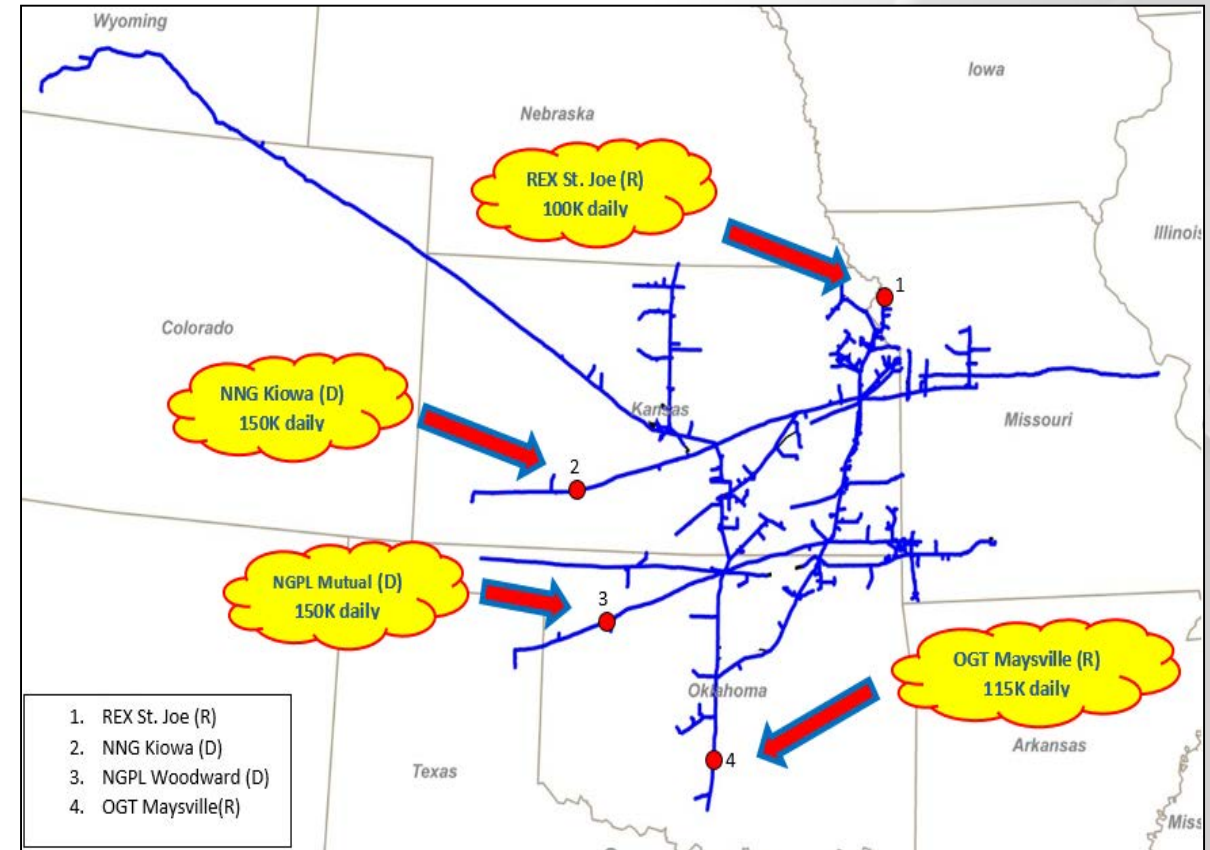


AVAILABLE CAPACITY



NEW PIPELINE INTERCONNECTS

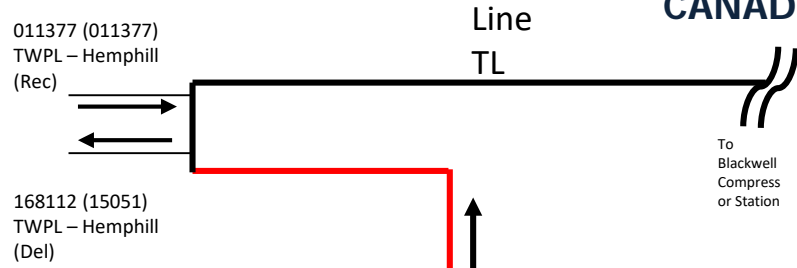
- Rex St. Joe (R)
 - 100K Dth/d
- NNG Kiowa (D)
 - 150K Dth/d
- NGPL Mutual (D)
 - 150K Dth/d
- OGT Maysville (R)
 - 115K Dth/d
- Please contact your customer service representative, or capacity planning, if you have any questions about these new points.



CONSTRAINT OF THE MONTH

CB POOL

CANADIAN BLACKWELL @ HEMPHILL RECEIPTS



Line TLB-002

***Inactive 016620
(016620) ETC - Canadian*

Line TLB-004

16621 (16621)
ETC Hemphill

Line TLB

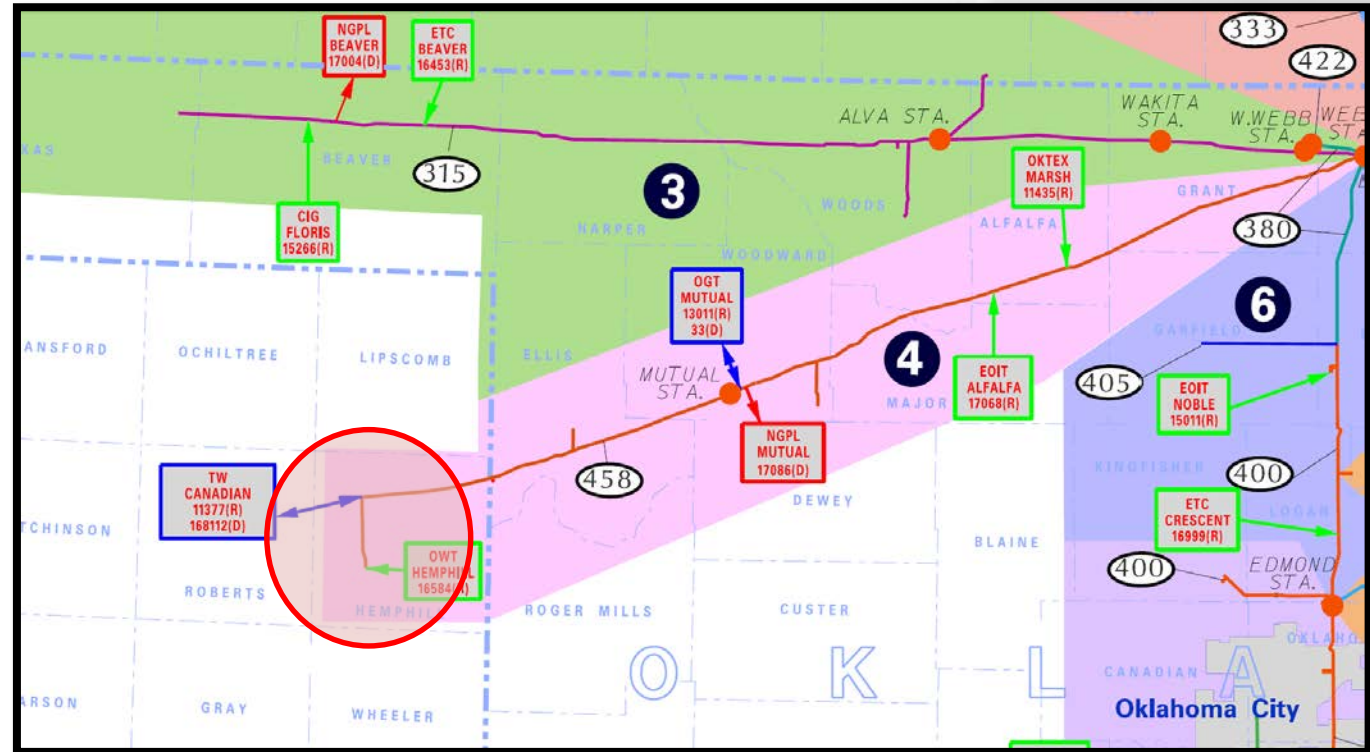
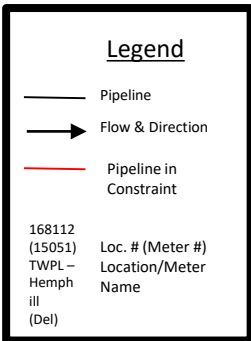
Line TLB-005

16820 (16820)
Superior
Hemphill

Line TLB-001

16584 (16584)
OWT Hemphill

***Inactive 016330
(016330) Enbridge
Hobart*





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CAPACITY SCHEDULING



CSI TOOLS

Search Nomination Downstream Noms Upstream Noms

Svc Req Name: Southern Star Central Gas Pipeline, Inc.
Svc Req K: TA9997

Nomination Date: 5/21/2019

Svc Req Prop: 5153
Cycle: Intraday 3

Nomination Summary

Totals	Rec Qty (Gross-Prod)	Rec Qty (Net-Prod)	Del Qty (Net-Prod)	Qty Diff (Prod)	Rec Qty (Gross-Mkt)	Rec Qty (Net-Mkt)	Del Qty (Net-Mkt)	Qty Diff (Mkt)
Contractually Available	25,260	25,000	25,000		25,235	25,000	25,000	
Total	5,800	5,740	0	5,740	0	0	0	0
02 - Authorized Contract Overrun	5,800	5,740	0	5,740	0	0	0	0

Receipt Nominations

Clear Filters																					Reset Sort		Reset Columns	
L... Zn	Re...	U... Prop	Up ID	Up K	Up Pkg ID	Beg...	End...	Rec... (Gross)	Rec... (Net)	R... Rank	TT/TT Desc	C...	Reduc... Reason	F... Qty	Bac... Fuel	E...	P...	Bi...	Rec S... Stat	P... Are	Rec Loc Name			
P	999052	13451	124847810	PA21834		05/17/2019	05/22/2019	5,800	5,740	500	02 - Authorized Contract Overrun	TIM	AOK	60	N	3,142			SCH	CB	Canadian Blackwell Pool (...)			



CSI TOOLS

Search

Nomination

Downstream Noms

Upstream Noms

Svc Req Name: Southern Star Central Gas Pipeline, Inc.

Svc Req K: TA9997

Nomination Date: 5/21/2019

Svc Req Prop: 5153

Cycle: Intraday 3

Svc Req

Totals	Rec Qty (Yours)	Del Qty (Upstream)	Qty Diff
CB-Canadian Blackwell Pool (CB)	5,800	5,800	0

Upstream Nominations Associated With Your Contract

Reset Sort

Reset Columns

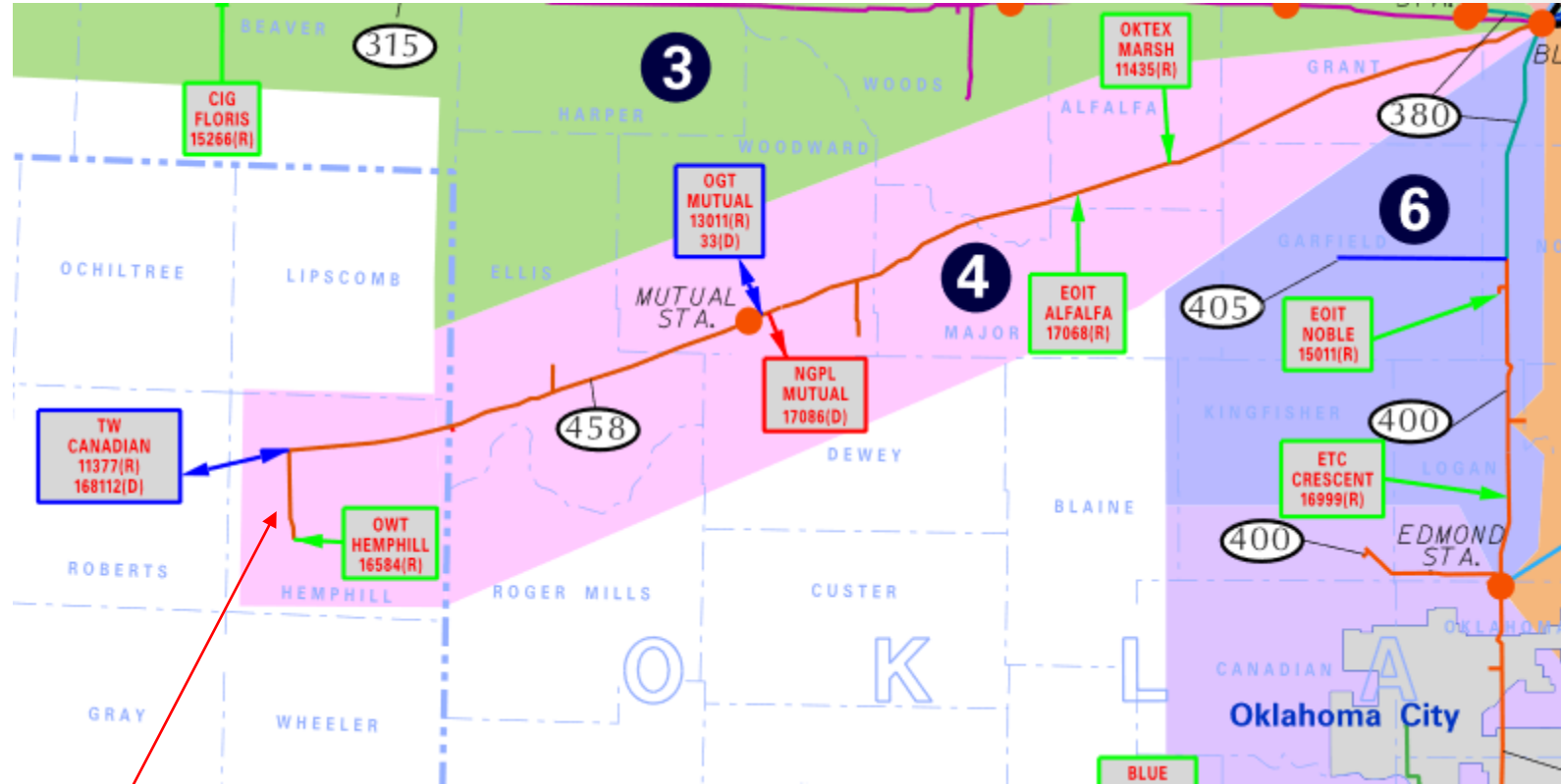
Del Loc	Svc Req K	Svc Req Name	Svc Req Prop	Svc Req	Del Qty (Upstream)	Del Qty (Expected Upstream)	Loc Zn	Pool Area	Status
999052	PA21834	Southwest Energy, LP	13451	124847810	5,800	5,800	P	CB	Balanced

1

20 items per page



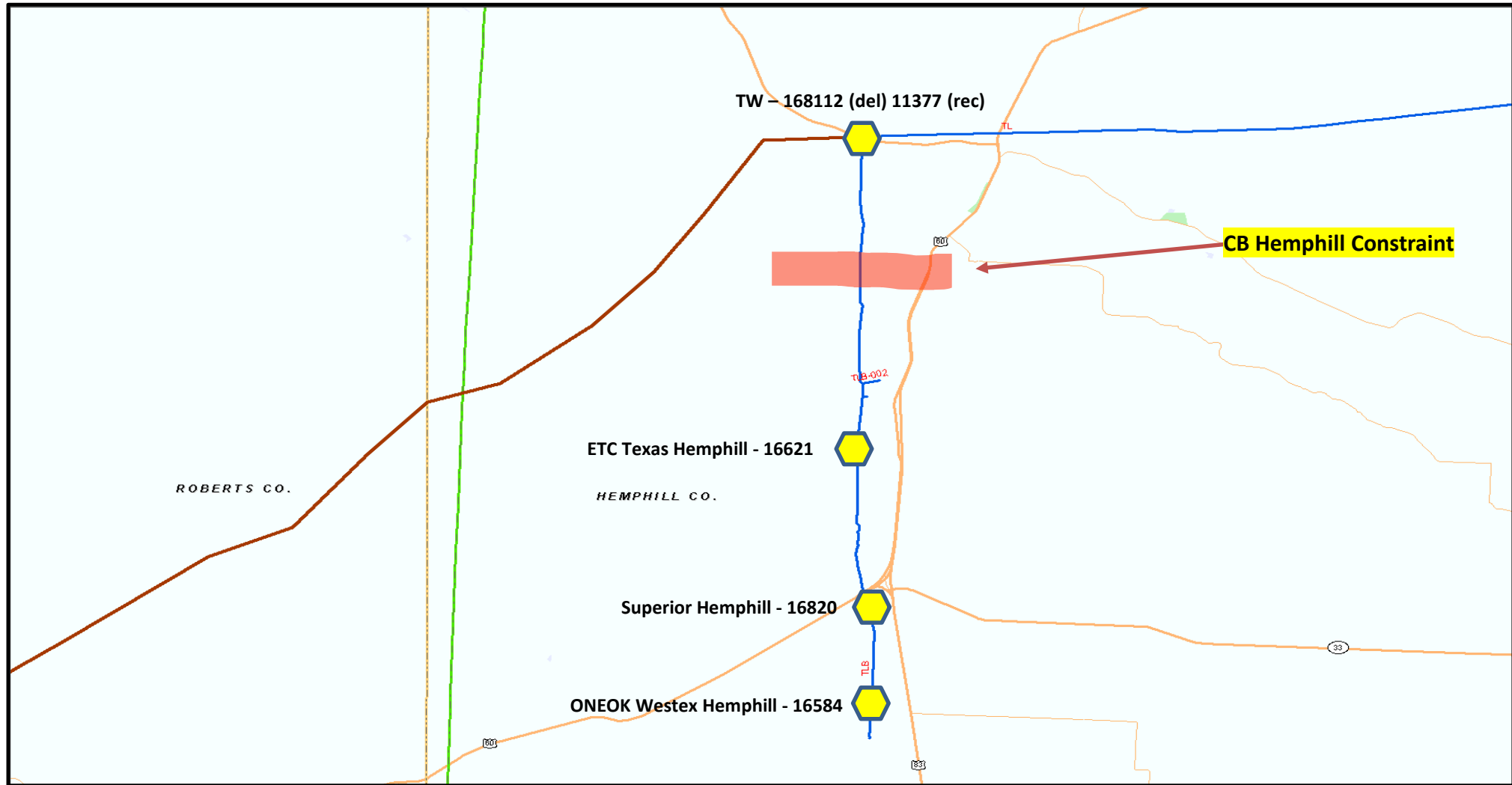
CB HEMPHILL CONSTRAINT OVERVIEW



CB Hemphill Lateral



CB HEMPHILL CONSTRAINT OVERVIEW





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CSI UPDATES





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MARKETING & CUSTOMER SERVICE



CSI CONTACT LIST

Contact us with questions any time

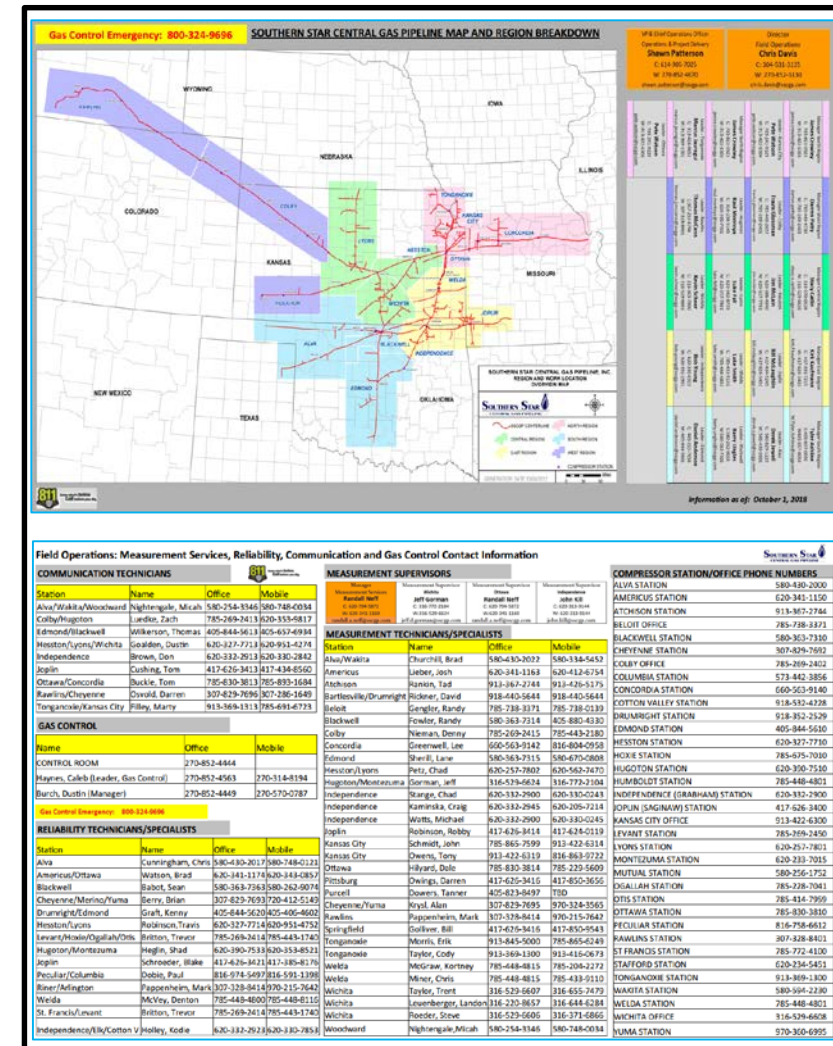
<https://csimain.southernstar.com/App/InformationalPostings/OtherPostings/ContactUs>

SOUTHERN STAR		COMMERCIAL SERVICES	
Financial & Accounting		Marketing & Customer Services	
Tami Wilson, VP, CFO & CAO Director, Finance & Accounting T: 270-552-4812 Email: tami.wilson@southernstar.com	Indira Bhatia, Manager Director, Marketing & Customer Services T: 270-552-4365 Email: indira.bhatia@southernstar.com ICE Mail: indira.bhatia@ice.com	Mark McCreary, Director Director, Commercial Services T: 270-552-4470 Email: mark.mcCreary@southernstar.com	Wendy McCreary, Director Director, Commercial Services T: 270-552-4483 Email: wendy.mcCreary@southernstar.com
Customer Services		Capacity Planning and Capacity Scheduling	
Scott Harrison, Manager Director, Customer Services T: 270-552-4320 Email: scott.harrison@southernstar.com ICE Mail: scott.harrison@ice.com	Scott Harrison, Manager Director, Customer Services T: 270-552-4320 Email: scott.harrison@southernstar.com ICE Mail: scott.harrison@ice.com	Kevin Ewing, Manager Director, Capacity Planning T: 270-552-4372 Email: kevin.ewing@southernstar.com	Allen Ross, Manager Director, Capacity Planning T: 270-552-4389 Email: allen.ross@southernstar.com
Marketing		Market Research	
Scott Harrison, Manager Director, Marketing T: 270-552-4320 Email: scott.harrison@southernstar.com ICE Mail: scott.harrison@ice.com	Scott Harrison, Manager Director, Marketing T: 270-552-4320 Email: scott.harrison@southernstar.com ICE Mail: scott.harrison@ice.com	Stephanie Matthews, Business Analyst Director, Market Research T: 270-552-4372 Email: stephanie.matthews@southernstar.com	Stephanie Matthews, Business Analyst Director, Market Research T: 270-552-4372 Email: stephanie.matthews@southernstar.com
Operations		Operations	
David Harrison, Manager Director, Operations T: 270-552-4375 Email: david.harrison@southernstar.com	David Harrison, Manager Director, Operations T: 270-552-4375 Email: david.harrison@southernstar.com	David Harrison, Manager Director, Operations T: 270-552-4375 Email: david.harrison@southernstar.com	David Harrison, Manager Director, Operations T: 270-552-4375 Email: david.harrison@southernstar.com
Customer Services		Customer Services	
AnnMarie Mould, Billing Analyst Director, Customer Services T: 270-552-4374 Email: annmarie.mould@southernstar.com	AnnMarie Mould, Billing Analyst Director, Customer Services T: 270-552-4374 Email: annmarie.mould@southernstar.com	AnnMarie Mould, Billing Analyst Director, Customer Services T: 270-552-4374 Email: annmarie.mould@southernstar.com	AnnMarie Mould, Billing Analyst Director, Customer Services T: 270-552-4374 Email: annmarie.mould@southernstar.com
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AnnMarie Mould, Billing Analyst Director, Customer Services T: 270-552-4374 Email: annmarie.mould@southernstar.com	AnnMarie Mould, Billing Analyst Director, Customer Services T: 270-552-4374 Email: annmarie.mould@southernstar.com	AnnMarie Mould, Billing Analyst Director, Customer Services T: 270-552-4374 Email: annmarie.mould@southernstar.com	AnnMarie Mould, Billing Analyst Director, Customer Services T: 270-552-4374 Email: annmarie.mould@southernstar.com
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As of 2/19/2022

Future Topic Recommendation

Email -> Robin.Joska@southernstar.com



OPEN SEASONS

(AVAILABLE CAPACITY)

❖ Benefits

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

❖ Current Open Season Posting

- CB Hemphill
- 50k
- March 1st – May 1st



Save the date for the 2020



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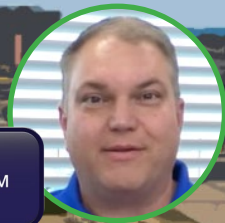
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**Customer
Meeting**

May 13-14, 2020

KANSAS CITY

Crowne Plaza Downtown



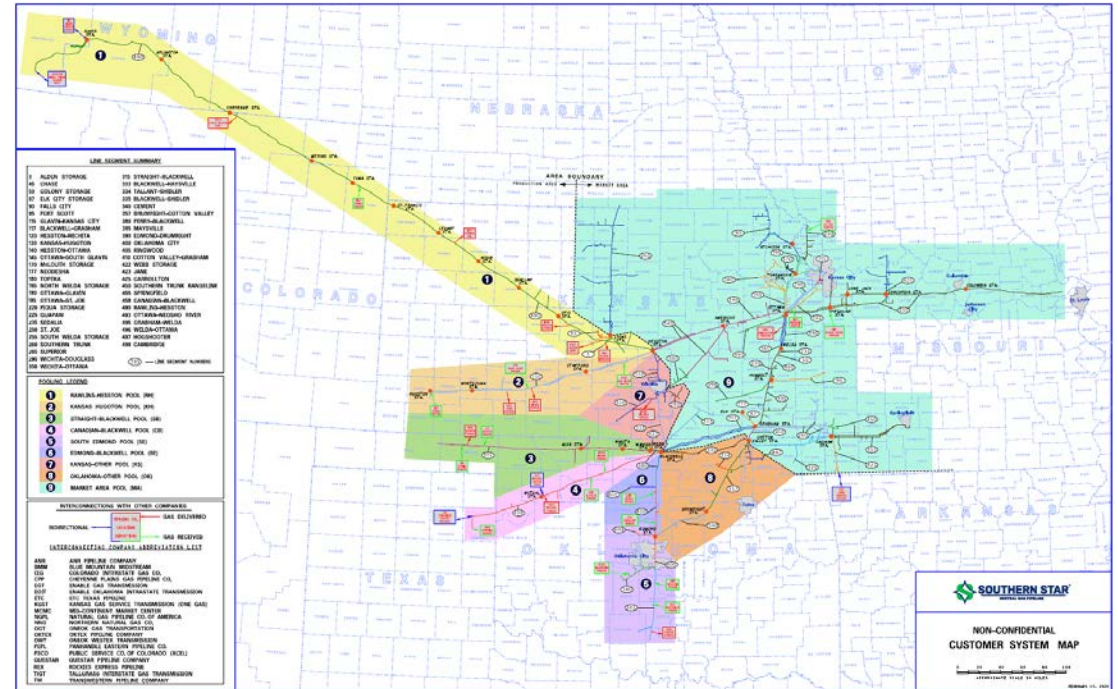
CLICK HERE

FOR A PERSONAL INVITATION FROM

MATT McCOY

INTERCONNECTS

- Southern Star is planning on creating two new interconnects for 2020.
- New System Map has been posted to CSI



ELECTRONIC CONTRACTING

If you would like to be set up for Electronic Contracting, please contact Julie Price or Drew Bittel in Contract Administration

Email: SSCContractAdministration@southernstar.com

Benefits to Electronic Contracting:

- *All Requests and signatures are completed electronically
- *No scanning and emailing back & forth
- *Everything is viewable within the contract in CSI



VISIT OWENSBORO, KY

- Get an in-depth look at what's going on at Southern Star.
- Face to face meeting with all departments and their subject matter experts.
- Strengthen customer relationships.





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INTEGRITY AND RELIABILITY



INTEGRITY

- Abnormal Operating Condition reports down 26%
- 667 miles of pipe assessed
- Leaks down 30%
- Line N
 - Excavations and evaluations in progress



Improving *Reliability* Through Technology

Want to catch items before the check engine light turns on

Enterprise Analytics Utilizes OSIsoft PI to Collect, Historize, Analyze, and Present Process Data

- OSIsoft PI Initially Installed in Mid 2018 Using Modernization Funding
- Compression Fleet Data Collection, Asset Framework, Vision Displays, and Simple Analytics Complete
- Several Major “Saves” from Analytics and Many Less Significant Issues Identified
- Reliability 99.8%
- Utilizing Power BI to Further Leverage Process Data
- Next Program Hurdle — Predictive Analytics
- Storage and Measurement Analytics Development In Progress

Modernizing Reliability



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MOD



RATES UPDATE

- Modernization CRM Surcharge
 - Filed on 1/30/20, to be effective 3/1/20 (RP20-470)
 - Production surcharge of \$0.0199
 - Market surcharge of \$0.0049
 - Storage surcharge of \$0.0075
 - FERC Order issued 2/18/20 accepting the filing
- Fuel Filing
 - Transmission fuel and loss reimbursement percentages will be filed by the end of the month
 - Storage will remain 3.24% as result of stable base rate accepted in last year's fuel filing (RP19-773)
- Modernization 2020 Eligible Facilities Plan Meeting
 - To be held 3/27/2020 in Kansas City, MO





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* *Congratulation to our January WebEx Trivia winner: Tatiana Earhart with
Liberty Utilities*

TRIVIA

- 1) SOUTHERN STARS STORAGE INVENTORY IS CURRENTLY OVER ITS 10-YEAR AVERAGE BY WHAT %?
- 2) TRANSWESTERN RECEIPT POINT IS UPSTREAM OF HEMPHILL LATERAL CONSTRAINT.
(TRUE OR FALSE)
- 3) EFFECTIVE 3/1/2020, WHAT IS SOUTHERN STARS MOD SURCHARGE FOR PRODUCTION, MARKET AND STORAGE?

BONUS: WHAT ARE THE NAME OF THE 4 NEW INTERCONNECTS FROM 2019?

PLEASE SEND ANSWERS TO buster.ashley@southernstar.com BY END OF BUSINESS DAY FRIDAY 2/21/2020!

QUESTIONS





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SAFETY REMINDER

* PLEASE DON'T TEXT WHILE WALKING.
KEEP YOUR PHONES AWAY WHILE IN MOTION!

