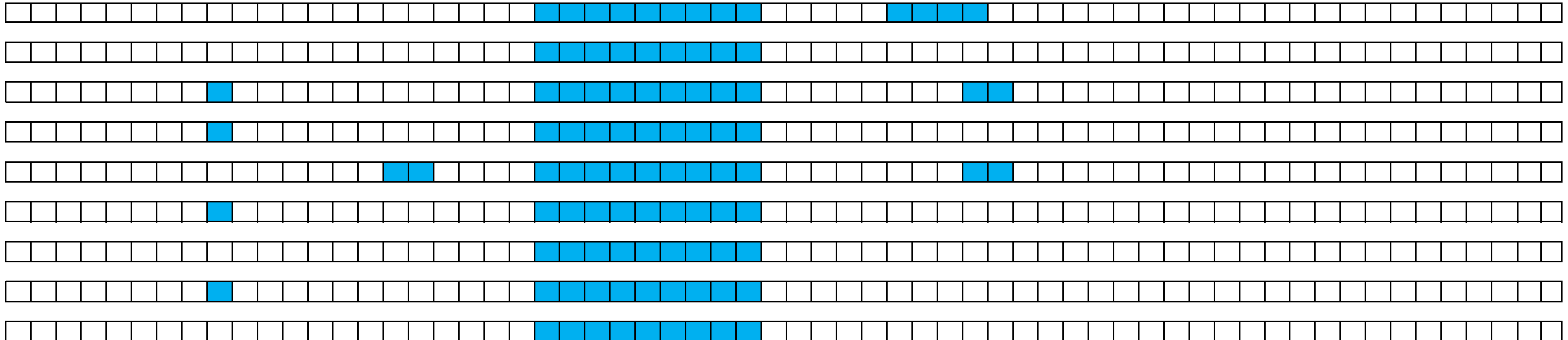


Southern Star 2019 Planned Service Outage						<a href="#">Historical Average ID3 Scheduled Volume</a>		
Work Activity						Operational Capacity Information		
Status	Projected Start Date	Projected Return to Normal Date	Location(s)	Type of Work	Map	Capacity After Reduction	% Reduction from Normal Operational Capacity	Constraint Area(s)
	July 30, 2019	July 31, 2019	Lincoln, OK	Pipeline Maintenance	<a href="#">Map</a>	0 Dth/d DCP Carney (Location 180) 0 Dth/d Superior Perkins (Location 16862)	100% Reduction - (Location 180) 100% Reduction - (Location 16862)	Edmond-Drumright
	July 22, 2019	July 31, 2019	Welda C/S	Welda Station Modifications	<a href="#">Map</a>	305,000 Dth/d Hesston CS (Location 445536) 440,000 Dth/d Blackwell CS (Location 445511) 20,000 Dth/d TIGT Glavin (Location 16593) 10,000 Dth/d TIGT Sugar Creek (Location 16592) <b>Interruptible Services Will be Impacted</b>	57% Reduction - (Location 445536) 34% Reduction - (Location 445511)	Kansas Hugoton, Rawlins Hesston, Straight Blackwell, Canadian Blackwell, Blackwell Edmond, South Edmond, Oklahoma Other
NEW	July 31, 2019	August 2, 2019	Saginaw C/S	Saginaw Turbine Maintenance	<a href="#">Map</a>	150,000 Dth/d Saginaw Station (Location 444550)	37% Reduction - (Location 444550)	Springfield, Jane
NEW	August 12, 2019	August 17, 2019	Hoxie C/S	Hoxie Painting	<a href="#">Map</a>	165,000 Dth/d Levant Station (Location 445577)	15% Reduction - (Location 445577)	Rawlins Hesston
REVISED	August 22, 2019	August 24, 2019	Cleveland Co, OK	Modernization HDD for Pipeline Exposure	<a href="#">Map</a>	0 Dth/d Cement System Receipt (443403) 0 Dth/d Cement System Delivery (443400) <b>This is a net zero constraint - Receipts and Deliveries Must Balance</b> 0 Dth/d South Maysville Delivery (444003) Deliveries cannot exceed receipts 0 Dth/d Oklahoma Cogeneration Plant (Location 41)	100% Reduction - (Location 41)	South of Edmond
	September 3, 2019	September 27, 2019	Yuma, St. Francis and Otis C/S	Yuma Unit Maintenance and Modernization St. Francis / Otis NEC Panel Replacement	<a href="#">Map</a>	165,000 Dth/d Levant Station (Location 445577)	15% Reduction - (Location 445577)	Rawlins Hesston
	September 9, 2019	September 14, 2019	Saginaw C/S	Saginaw Unit Maintenance	<a href="#">Map</a>	200,000 Dth/d Saginaw Station (Location 444550)	17% Reduction - (Location 444550)	Springfield, Jane
REVISED	September 9, 2019	September 14, 2019	Riner C/S	Modernization AMOT Temperature Control Valve Installation and Echo Springs OPP Installation	<a href="#">Map</a>	85,000 Dth/d Riner Station (Location 445569) 0 Dth/d Echo Springs (Location 16294) 0 Dth/d PSCO Chalk Bluffs (Location 52) 0 Dth/d Riner Delivery Constraint (444902) Deliveries cannot exceed receipts	56% Reduction - (Location 445569) 100% Reduction Echo Springs - (Location 16294) 100% Reduction - (Location 52)	Rawlins Hesston
	September 16, 2019	September 21, 2019	Peculiar C/S	Peculiar Unit Maintenance	<a href="#">Map</a>	200,000 Dth/d Sedalia @ Ottawa (Location 442350)	13% Reduction - (Location 442350)	Sedalia, Carrollton
	September 17, 2019	September 26, 2019	Edmond C/S	Edmond Unit Maintenance	<a href="#">Map</a>	100,000 Dth/d Edmond Station (Location 445535)	23% Reduction - (Location 445535)	South of Edmond, Oklahoma Other
	September 24, 2019	November 1, 2019	Levant C/S, Yuma C/S and St. Francis C/S	Levant Unit Maintenance, Modernization NEC Panel Replacement, Painting and Yuma Unit Maintenance, Modernization Install of Electronic Fuel Checks	<a href="#">Map</a>	165,000 Dth/d Levant Station (Location 445577)	15% Reduction - (Location 445577)	Rawlins Hesston

Work Activity						Operational Capacity Information		
Status	Projected Start Date	Projected Return to Normal Date	Location(s)	Type of Work	Map	Capacity After Reduction	% Reduction from Normal Operational Capacity	Constraint Area(s)
NEW	September 30, 2019	October 4, 2019	Cheyenne C/S	Cheyenne Modernization NEC Panel Replacement	<a href="#">Map</a>	0 Dth/d PSCO Chalk Bluffs (Location 52) Cheyenne Light Fuel & Power (Location 16998) available but upstream pressure may occasionally fall below 700 PSIG pressure commitment posted on EBB under "System Minimum Pressures"	100% Reduction - (Location 52)	Rawlins Hesston
	October 1, 2019	November 1, 2019	Saginaw C/S	Saginaw Turbine Maintenance and Modernization Upgrades	<a href="#">Map</a>	150,000 Dth/d Saginaw Station (Location 444550)	37% Reduction - (Location 444550)	Springfield, Jane
	October 1, 2019	October 8, 2019	Blackwell C/S	Blackwell Unit Maintenance	<a href="#">Map</a>	420,000 Dth/d Blackwell West (Location 449000) 100,000 Dth/d Edmond Blackwell (Location 443800) (If turbine is in service, posting will be removed due to no impact to customers)	15% Reduction - (Location 449000) 23% Reduction- (Location 443800)	Straight Blackwell, Canadian Blackwell, Blackwell Edmond, Oklahoma Other
	October 1, 2019	October 3, 2019	Ratliff C/S	Ratliff Unit Maintenance	<a href="#">Map</a>	40,000 Dth/d NGPL Carter County (Location 17069)	53% Reduction - NGPL Carter County (Location 17069)	South of Edmond
	October 1, 2019	October 3, 2019	Montezuma C/S	Modernization - Replace PLC's at Montezuma	<a href="#">Map</a>	250,000 Dth/d Kansas Hugoton (441300)	35% Reduction - (Location 441300)	Kansas Hugoton
	October 8, 2019	October 9, 2019	Edmond C/S	Edmond ESD Testing	<a href="#">Map</a>	20,000 Dth/d Edmond CS (Location 445535) 0 Dth/d West Edmond CS (Location 444001) 0 Dth/d Oklahoma Cogen (Location 41)	85% Reduction - (Location 445535) 100% Reduction - (Location 444001) 100% Reduction - (Location 41)	South of Edmond, Oklahoma Other
	October 15, 2019	October 22, 2019	Blackwell C/S	Blackwell Unit Maintenance	<a href="#">Map</a>	420,000 Dth/d Blackwell West (Location 449000) 100,000 Dth/d Edmond Blackwell (Location 443800) (If turbine is in service, posting will be removed due to no impact to customers)	15% Reduction - (Location 449000) 23% Reduction- (Location 443800)	Straight Blackwell, Canadian Blackwell, Blackwell Edmond, Oklahoma Other
	October 23, 2019	October 24, 2019	Blackwell C/S & Grabham C/S	Blackwell North Station ESD Testing & Grabham Station ESD Testing	<a href="#">Map</a>	320,000 Dth/d Blackwell CS (Location 445511)	49% Reduction - (Location 445511 )	Straight Blackwell, Canadian Blackwell, Blackwell Edmond, South Edmond, Oklahoma Other
	October 24, 2019	October 25, 2019	Blackwell C/S	Blackwell South Station ESD Testing	<a href="#">Map</a>	320,000 Dth/d Blackwell West (Location 449000) 100,000 Dth/d Edmond Blackwell (Location 443800)	35% Reduction - (Location 449000) 23% Reduction- (Location 443800)	Straight Blackwell, Canadian Blackwell, Blackwell Edmond, Oklahoma Other
	November 4, 2019	November 12, 2019	Blackwell C/S	Blackwell Unit Maintenance	<a href="#">Map</a>	290,000 Dth/d Blackwell West (Location 449000) 420,000 Dth/d Blackwell Station (Location 445511 ) (If turbine is in service, posting will be removed due to no impact to customers)	40% Reduction - (Location 449000) 28% Reduction - (Location 445511)	Straight Blackwell, Canadian Blackwell, Blackwell Edmond, South Edmond, Oklahoma Other
	December 3, 2019	December 10, 2019	Blackwell C/S	Blackwell Unit Maintenance	<a href="#">Map</a>	290,000 Dth/d Blackwell West (Location 449000) 420,000 Dth/d Blackwell Station (Location 445511 ) (If turbine is in service, posting will be removed due to no impact to customers)	40% Reduction - (Location 449000) 28% Reduction - (Location 445511)	Straight Blackwell, Canadian Blackwell, Blackwell Edmond, South Edmond, Oklahoma Other

July																															August																														
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	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



July																															August																														
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	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

\* Shaded areas indicate a reduction in capacity

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# Note: SB, CB, SE, BE, OK (If turbine is in service, posting will be removed due to no impact to customers)

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# Note: SB, CB, SE, BE, OK (If turbine is in service, posting will be removed due to no impact to customers)