		Sout	hern Star 2019 Pla	nned Service C	<mark>Dutage</mark>	9	Historical Average ID3 Sch	eduled Volume
		Work A	ctivity			Oper	ational Capacity Information	
Status	Projected Start Date	Projected Return to Normal Date	Location(s)	Type of Work	Мар	Capacity After Reduction	% Reduction from Normal Operational Capacity	Constraint Area(s)
	August 12, 2019	August 17, 2019	Hoxie C/S	Hoxie Painting	<u>Map</u>	165,000 Dth/d Levant Station (Location 445577)	15% Reduction - (Location 445577)	Rawlins Hesston
	August 20, 2019	August 22, 2019	Woods Co, OK	Mainline Valve Repair	<u>Map</u>	0 Dth/d Canadian Blackwell Rec (Location 444580) 0 Dth/d Canadian Blackwell Del (Location 444586)	100% Reduction - (Location 17068)	Canadian Blackwell
	August 27, 2019	August 29, 2019	Cleveland Co, OK	Modernization HDD for Pipeline Exposure	<u>Map</u>	0 Dth/d Cement System Receipt (443403) 0 Dth/d Cement System Delivery (443400) This is a net zero constraint - Receipts and Deliveries Must Balance 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	<u> Map</u>	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	<u>Map</u>	200,000 Dth/d Saginaw Station (Location 444550)	17% Reduction - (Location 444550)	Springfield, Jane
	September 16, 2019	September 21, 2019	Riner C/S	Modernization AMOT Temperature Control Valve Installation and Echo Springs OPP Installation	<u>Map</u>	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	<u>Map</u>	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	<u>Map</u>	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	<u> Map</u>	165,000 Dth/d Levant Station (Location 445577)	15% Reduction - (Location 445577)	Rawlins Hesston
	September 30, 2019	October 4, 2019	Cheyenne C/S	Cheyenne Modernization NEC Panel Replacement	<u>Map</u>	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	<u> Map</u>	150,000 Dth/d Saginaw Station (Location 444550)	37% Reduction - (Location 444550)	Springfield, Jane

		Work A	ctivity			Oper	rational Capacity Information	
Status	Projected Start Date	Projected Return to Normal Date	Location(s)	Type of Work	Мар	Capacity After Reduction	% Reduction from Normal Operational Capacity	Constraint Area(s)
	October 1, 2019	October 8, 2019	Blackwell C/S	Blackwell Unit Maintenance	<u>Map</u>	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	<u>Map</u>	40,000 Dth/d NGPL Carter County (Location 17069)	53% Reduction - NGPL Carter County (Location 17069)	South of Edmond
	October 15, 2019	October 17, 2019	Montezuma C/S	Modernization - Replace PLC's at Montezuma	<u>Map</u>	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	<u>Map</u>	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	<u>Map</u>	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 22, 2019	October 25, 2019	Oklahoma Co, OK	Smart Pigging	<u>Map</u>	30,000 Dth/d South Maysville Rec (Location 444002) 75,000 Dth/d NGPL Carter County (Location 17069) 0 Dth/d Oklahoma Cogen (Location 41)	76% Reduction - (Location 444002) 12% Reduction - (Location 17069) 100% Reduction - (Location 41)	South of Edmond
	October 23, 2019	October 24, 2019	Blackwell C/S & Grabham C/S	Blackwell North Station ESD Testing & Grabham Station ESD Testing	<u>Map</u>	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	<u>Map</u>	320,000 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)	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	<u>Map</u>	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
	November 19, 2019	November 23, 2019	Noble Co, OK	Smart Pigging	<u>Map</u>	0 Dth/d ETC Crescent (Location 16999) 0 Dth/d EOIT Noble (Location 15011) 75,000 Dth/d NGPL Carter County (Location 17069) 40,000 Dth/d Edmond C/S (Location 445535)	100% Reduction - (Location 16999) 100% Reduction - (Location 15011) 12% Reduction - (Location 17069) 62% Reduction - (Location 445535)	Blackwell Edmond
	December 3, 2019	December 10, 2019	Blackwell C/S	Blackwell Unit Maintenance	<u> Map</u>	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																						Au	gust																					
Pooling Area		2 3	4	5	6 7	8	9 10	0 11	12	13 1	.4 15	16	17 18	19	20 2	1 22	23 2	4 25	26	27 2	8 29	30		2	3	4 5	6	7	8 9	10	11	12 1	.3 14	15	16 17	7 18	19	20 21	22	23 24	1 25	26 27	7 28	29 30	31
	<u> </u>					1 1			<del></del>																											1 1			1 1		1 1				
																																													Ш
RH			1				ı		1 1	Ī			ı		Ī									ı				1								1 1		ı	1 1					Ī	
																																													Ш
КН			1	ı ı				_			-			<del></del>										1												1 1			1 1		1 1				
																																													Ш
SB									1 1		ı	1	ı										1	1								•				1 1									
																																													Ш
СВ																																													
																																													Ш
SE					•																																								
																																													Ш
BE					<u>.</u>																																								
КО																																													
																																													<u>i</u>
ОК																																													
																																													Ш
Market Area	July																						Au	gust																					
	1	2 3	4	5	6 7	8	9 10	0 11	12	13 1	4 15	16	17 18	19	20 2	1 22	23 2	4 25	26	27 2	8 29	30 3	31 1	2	3	4 5	6	7	8 9	10	11	12 1	3 14	15	16 17	7 18	19	20 21	22	23 24	1 25	26 27	7 28	29 30	31

<sup>\*</sup> Shaded areas indicate a reduction in capacity

<sup>\*</sup> Shaded areas indicate a reduction in capacity

	Sep	teml	ber																								0	ctobe	er																							
Pooling Area	1	2	3	4 5	6	7	8	9	10 1	1 1	2 1	3 14	15	16	17	18	19	20 2	21 2	22 2	3 2	4 25	26	27	28	29	30	1 2	3	4	5	6	7	8	9 1	0 11	12	13	14 1	15 16	5 17	18	19	20 2	1 22	2 23	24	25	26 27	7 28	29	30 31
		1																						•																												
RH																																																				
KH																																																				
																											#	#	#	#	#	#	#						#	#	#	#	# #	#								
SB																																																				
																											#	#	#	#	#	#	#						#	#	#	#	# #	#								
СВ																																																				
																																												<u></u>						$oldsymbol{ol}}}}}}}}}}}}}}}}}}}$		
SE																																																				
																											#	#	#	#	#	#	#						#	#	#	#	# #	#						$oldsymbol{ol}}}}}}}}}}}}}}}}}}}$		
BE													,									-						•		_					•																	
																																												$\bot$								
КО																	_																																			
																											#	#	#	#	#	#	#						#	#	#	#	# #	#								
ОК																																																				
<b>Market Area</b>	Sep	teml	ber																									ctobe	er																							
	1	2	3	4 5	6	7	8	9	10 1	1 1	2 1	3 14	15	16	17	18	19	20 :	21 2	22 2	3 2	4 25	26	27	28	29	30	1 2	3	4	5	6	7	8	9 1	0 11	12	13	14 1	15 16	5 17	18	19	20 2	22	2 23	24	25	26 27	7 28	29	30 31

<sup>\*</sup> Shaded areas indicate a reduction in capacity

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

																									_																							
	Nov	vembe																							Dec	emb	er																					
Pooling Area	1	2	3 4	. 5	6	7 8	3 9	10	11	12	13 14	15	16	17 1	8 19	20	21	22 2	23 2	4 25	26	27	28 2	9 30	0 1	2	3	4 5	6	7	8 9	10	11	12 1	L3 14	15	16	17 1	8 19	20	21 2	22 23	3 24	25	26 27	7 28	29 3	0 31
1 doining Area																																																
RH																																																
КН																																																
,			#	#	# #	#	#	# :	#																		# #	#	#	# #	# #																	
SB																																																
			#	#	# #	#	#	# :	#																		# #	#	#	# #	# #																	
СВ			_			•																									•								· •		•				· •			
			#	#	# #	#	#	# :	#																		# #	#	#	# #	# #																	
SE			•			•	•																					•																				
			#	#	# #	#	#	# :	#																		# #	#	#	# #	# #																	
BE																															•																	
КО				-							•			-																								•										
L			#	#	# #	#	#	# :	#																		# #	#	#	# #	# #																	
ОК		11_									<u> </u>					<u> </u>																								1	I		1 1		<u> </u>			
			Ī																																													
Market Area	Nov	vembe	er																						Dec	emb	er																<u> </u>					
				. 5	6	7 8	3 9	10	11	12 :	13 14	1 15	16	17 1	8 19	20	21	22 2	23 2	4 25	26	27	28 2	9 30				4 5	6	7	8 9	10	11	12 1	13 14	15	16	17 1	8 19	20	21 2	22 23	3 24	25	26 27	7 28	29 3	0 31

<sup>\*</sup> Shaded areas indicate a reduction in capacity

<sup>\*</sup> Shaded areas indicate a reduction in capacity

<sup>\*</sup> Shaded areas indicate a reduction in capacity

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

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