

New Enhanced Planned Service Outage Dashboard								
Southern Star 2019 Planned Service Outage						Historical Average ID3 Scheduled Volume		
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)
	September 3, 2019	November 1, 2019	Yuma, St. Francis, Otis, Levant C/S	Yuma & Levant Unit Maintenance and Modernization St. Francis / Otis NEC Panel Replacement, Painting, Modernization Install of Electronic Fuel Checks	Map	165,000 Dth/d Levant Station (Location 445577)	15% Reduction - (Location 445577)	Rawlins Hesston
	September 23, 2019	October 26, 2019	Saginaw C/S	Saginaw Turbine Maintenance and Modernization Upgrades	Map	150,000 Dth/d Saginaw Station (Location 444550)	37% Reduction - (Location 444550)	Springfield, Jane
	October 14, 2019	October 17, 2019	Transwestern Canadian Delivery	PIG Run	Map	0 Dth/d Transwestern Net Delivery (Location 444587) (This is a net Delivery Constraint - Receipts minus Deliveries must be greater than zero)	100% Reduction Location 168112	Canadian / Blackwell
	October 15, 2019	October 17, 2019	Montezuma C/S	Modernization - Replace PLC's at Montezuma	Map	250,000 Dth/d Kansas Hugoton (441300)	35% Reduction - (Location 441300)	Kansas Hugoton
	October 15, 2019	October 17, 2019	Oklahoma, Logan Co, OK	Mainline Valve Changeout	Map	0 Dth/d ETC Field Services Crescent (Location 16999) 0 Dth/d EOIT Noble (Location 15011)	100% Reduction - Location 16999 100% Reduction - Location 15011	South of Edmond, Oklahoma Other
	October 15, 2019	October 18, 2019	Oklahoma, Logan Co, OK Edmond C/S	Mainline Valve Changeout followed by Edmond ESD Testing	Map	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 22, 2019	October 25, 2019	Oklahoma Co, OK	Smart Pigging	Map	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	Map	320,000 Dth/d Blackwell CS (Location 445511)	49% Reduction - (Location 445511)	Straight Blackwell, Canadian Blackwell, Blackwell Edmond, South Edmond, Oklahoma Other

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	October 29, 2019	October 31, 2019	Americus C/S	Unit Maintenance		42,000 Dth/d Westar Emporia Energy (Location 16933)	72% Reduction - Westar Emporia Energy (Location 16933)	Kansas Hugoton
	November 19, 2019	November 23, 2019	Noble Co, OK	Smart Pigging	Map	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 17, 2019	December 19, 2019	Ratliff C/S	Ratliff Unit Maintenance	Map	40,000 Dth/d NGPL Carter County (Location 17069)	53% Reduction - NGPL Carter County (Location 17069)	South of Edmond