

ATCO Pipelines Outage Forecast

OUTAGE DESCRIPTION	TIMING	AREA/PIPELINE/STATION	IMPACT
Swan Hills Pipeline Excavations	Winter 2011	North Area - Swan Hills Pipeline:	Pipeline excavations for external inspection.
			CUSTOMER IMPACT: Excavation and inspection work will require reduced pressure to accommodate. Possible requirement to reduce or divert production volumes to accommodate. IMPACT UNDER REVIEW
Southern Extension Pipeline Replacement Project Phase 2	Spring 2011	South Area - Southern Extension Pipeline and Southern Extension Replacement Pipeline/ Magee Rcpt, Wolf Creek Rcpt, Boulder Rcpt and Maskwa Rcpt	Transfer of receipt and deliveries from the vintage Southern Extension pipeline to the new Southern Extension pipeline from Blackfalds to Bittern Lake area.
			CUSTOMER IMPACT: Production curtailment at tie-in locations for 1-2 day periods. Reduced operating pressures during hot tap work. Temporary supply requirements during tie-ins of some branch lines will be required.
Lost Point Lake Rcpt. Tie-in Relocate	Spring	North Area - Legal Uncas Pipeline: Lost Point Lake Rcpt.	Producer tie-in relocate.
			CUSTOMER IMPACT: Production curtailment will be required to accommodate tie-in into Legal Uncas Pipeline.
Bittern Lake Pipeline Valve Assembly Upgrades	Spring	North Area - Bittern Lake North Transmission: Sturgeon Rcpt., FS EEP.	Valve assembly upgrades to accommodate future in-line-inspection.
			CUSTOMER IMPACT: Impacts under review Multiple outages likely required necessitating temporary supply to maintain service to demand customers. As much as can be done, work to be coordinated with plant turnaround activity!
Jumping Pound West and TC Turbines Pipeline Relocates	Feb-April	South Area - Jumping Pound West 406mm and Turbines 219mm - TC Turbines	Calgary Airport Runway construction requires the relocation of both the 406mm and 219 mm pipelines
			CUSTOMER IMPACT: Supply to Turbines testing facility will be interrupted for the tie-ins of the two pipelines being relocated
Receipt Station Filter Separator Installation Program-North	Summer	North Area - Inland pipeline/Mundare B Rcpt	Installation of filter separator upstream of delivery point.
			CUSTOMER IMPACT: Curtailment of production and isolation & blowdown of pipeline required. 1-2 day outage required to complete the tie-in.
Receipt Station Filter Separator Installation Program-South	Summer	South Area - Carbon pipeline/Carbon South Rcpt, Southern Extension pipeline/Magee Rcpt, Mainline South/Claresholm North Rcpt	Installation of filter separator upstream of delivery point.
			CUSTOMER IMPACT: Curtailment of production and isolation & blowdown of pipeline required. 1-2 day outage required to complete the tie-in.
Oldman River River Crossing Replacement	Summer	South Area - Main Line East:	Replace existing river crossing with new HDD crossing.
			CUSTOMER IMPACT: Project is temperature dependent Supply via Cardston to Lethbridge and ATCO Gas IP load shifting will be required. Excess production could see production restrictions.
Homeglen Pipeline Replacement	June-July	North Area -Homeglen Pipeline	Replacement of approximately 4 kms of 610mm pipeline to satisfy class requirements
			CUSTOMER IMPACT: Homeglen production diverted into Pembina pipeline and possibly through Bonnie Glen pipeline if available. Higher operating pressures anticipated on the Pembina pipelines along with a lower inlet pressure into the Edmonton Ethane Extraction facility will be required.
Homeglen Valve Assemblies Replacements	Late summer	North Area - Homeglen Transmission: Lloyd Creek Rcpt., Battle Lake Rcpt., Bear Hills Rcpt., Bigstone Creek Rcpt., Conjuring Creek Rcpt.	Valve assemble upgrades to accommodate future in-line-inspection.
			CUSTOMER IMPACT: Isolation and depressurization of the Homeglen pipeline between Mulhurst and the Homeglen-Pembina-Bonnie Glen Control facility will require production curtailments for a 1 week period to allow the pipeline to be blown down and the new valve assemblies tied in.
Swan Hills Pipeline In-Line-Inspection	Summer	North Area - Swan Hills Pipeline:	ILI tool runs between Swan Hills EL Smith and EEEP.
			CUSTOMER IMPACT: Tool run operations may require production curtailments depending on system hydraulics at time of the outage. SYSTEM IMPACT UNDER REVIEW
TransCanada Pipelines South Lateral Outage	Summer	South Area - Hillspring, Glenwood laterals/ ATCO Gas delivery stations	Isolation and depressurization of the 610mm TC South Lateral pipeline to complete 2 pipeline cut outs.
			CUSTOMER IMPACT: Supply loss from TC will require temporary supply to the extent it is available for the towns supplied from this pipeline.