

AESO Transmission System Projects - Quarterly Report

- see notes at the end of this document for report terminology and definitions



Program Name and Description	Need Filing	Need Filing Status	Need Filed	Need Approved	Facility Proposal Filing	TFO	Facility Filed	Facility Approved	Energization	Forecast ISD	Forecast Cost	Facility Filing Status
9L66 9L66 240kV Line Relocation Relocate 9L66	1 9L66 240kV Line Relocation	AUC Reviewing NID	2009-09-17		943 9L66 240kV Line Relocation	ATCO	2009-09-25		1 All Equipment	2010-07-15	\$1,194,500	AUC Reviewing Facilities Application
AIRD Mid & Long Range Airdrie Area System Development Airdrie Area System Upgrades - New Cap Banks, New PODs	1 Mid & Long Range Airdrie Area System Development	Study/NID Preparation Complete	2009-07-10		1007 Mid Term Solution-Cap Banks Addition	AML	2009-07-28		1 All Equipment	2010-03-17	\$4,729,000	AUC Reviewing Facilities Application
CBDN Calgary Business District Calgary Business District 138 kV Cable Replacement	1 Calgary Business District	AUC Reviewing NID	2009-08-10		664 ENMAX CBD - Central Business District 138kV Cable Upgrades	ENMAX	2009-09-10		1 1.82 and 1.84L 2 1.83 and 1.85L	2010-12-31 2011-12-30	\$62,368,730	AUC Reviewing Facilities Application
ECLB Ellerslie-Clover Bar 240kV Reconfiguration of 240kV transmission line 946L/947L.	1 Ellerslie-Clover Bar 240kV	NID Approved	2008-04-08	2008-07-16	951 Ellerslie-Clover Bar Part 1 952 Ellerslie-Clover Bar Part 2	AML EPCOR	2009-02-27 2009-03-31		1 All Equipment 1 All Equipment	2010-05-10 2010-05-10	\$14,495,740 \$2,043,508	AUC Reviewing Facilities Application AUC Reviewing Facilities Application
ERLU Edmonton Region 240kV Line Upgrades Upgrade 240kV transmission lines in Edmonton area; add one 240kV phase shifter at Dover substation	1 Edmonton Region 240 kV Line Upgrades	NID Approved	2008-08-26	2009-02-24	953 Edmonton Region Line Upgrades Part I 955 Edmonton Region Line Upgrades Part III 957 Edmonton Region Line Upgrades Part V 959 Edmonton Region Line Upgrades Part VII	AML EPCOR ATCO TransAlta	 2009-09-14		1 All Equipment 1 All Equipment 1 All Equipment 1 All Equipment	2011-06-30 2011-06-30 2011-06-30 2011-06-30	\$111,008,746 \$2,800,000 \$26,312,608 \$9,623,710	TFO Preparing Facilities Application TFO Preparing Facilities Application AUC Reviewing Facilities Application TFO Preparing Facilities Application
ESCV ENMAX South 69kV Conversion Original P626 for NID and Phase I	1 ENMAX South 69kV Conversion	AUC Reviewing NID	2009-04-09		931 ENMAX South 69kV Conversion Phase II 932 ENMAX South 69kV Conversion to 138kV Phase III 969 ENMAX South 69kV Conversion Stage 1	ENMAX ENMAX ENMAX	 2009-04-16		1 All Equipment 1 All Equipment 1 All Equipment	2010-12-01 2011-06-15 2010-12-15	\$5,000,000 \$7,000,000 \$10,475,758	Finalizing Functional Spec Finalizing Functional Spec AUC Reviewing Facilities Application
HATD Hanna Area Transmission Development Transmission development in Hanna, Sheerness and Battle River	1 Hanna Area Transmission Development	AUC Reviewing NID	2009-08-14		977 Youngstone 772S Capacitor bank addition 978 Battle River 757S Capacitor Bank addition	ATCO ATCO	 		1 Youngstown 772S Capacitor Bank 1 Battle River757S Capacitor Bank	2012-06-30 2012-06-30	\$1,220,000 \$1,220,000	TFO Preparing Estimates TFO Preparing Estimates

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					979 New Lanfine 240/144kV substation	ATCO			1 Lanfine 959S substation 240/144kv	2012-06-30	\$51,000,000	TFO Preparing Estimates
					980 Lanfine 959S 200MVar SVC	ATCO			1 Lanfine 959S 200MVAR 144kV SVC	2012-09-30	\$43,000,000	TFO Preparing Estimates
					982 Lanfine-Oyen 144kV S/C Line 7L132	ATCO			1 Lanfine-Oyen 144kV S/C Line	2012-06-30	\$4,000,000	TFO Preparing Estimates
					995 Relocate 7L98 Oyen 767S - Lanfine 959S	ATCO			1 Relocate 7L98 Oyen 767S - Lanfine 959S	2012-06-30	\$2,000,000	TFO Preparing Estimates
					996 Oakland 946S 240kV S/S combined with Anderson-Oakland line	ATCO			1 Oakland 946S 240kV S/S combined with Anderson-Oakland line	2012-06-30	\$14,000,000	TFO Preparing Estimates
					998 Oakland-Lanfine 240kV S/C Line 9L924	ATCO			1 Oakland-Lanfine 240kV SC Line	2012-06-30	\$62,000,000	TFO Preparing Estimates
					999 Coyote Lake 963S 240kV S/S combined with Oakland-Coyote line	ATCO			1 Coyote Lake 963S 240kV S/S combined with Oakland-Coyote line	2012-06-30	\$38,000,000	TFO Preparing Estimates
					1000 Coyote Lake 963S - Michichi Creek 802S 144kV SC Line 7L128	ATCO			1 Coyote Lake 963S - Michichi Creek 802S 144kV SC Line	2012-06-30	\$9,000,000	TFO Preparing Estimates
					1001 Pemukan 932S 240 kV Substation	ATCO			1 Pemukan 932S 240kV Substation	2012-06-30	\$62,000,000	TFO Preparing Estimates
					1003 New Lanfine-Pemukan 240kV S/C Line 9L46	ATCO			1 New Lanfine-Pemukan 240kV S/C Line	2012-06-30	\$50,000,000	TFO Preparing Estimates
					1004 Pemukan 200MVAR SVC addition	ATCO			1 Pemukan 200MVAR SVC addition	2012-06-30	\$45,000,000	TFO Preparing Estimates
					1011 Hansman Lake - Pemukan 240kV S/C Line 9L966	ATCO			1 Hansman-Pemukan 240kV S/C Line 9L966	2012-06-30	\$44,000,000	TFO Preparing Estimates
					1013 Pemukan 932S - Monitor 774S 144kV S/C Line 7L127	ATCO			1 Pemukan 932S - Monitor 774S 144kV S/C Line	2012-06-30	\$5,000,000	TFO Preparing Estimates
					1015 Relocate 7L79 line from Monitor 774S - Pemukan 932S	ATCO			1 Relocate 7L79 line from Monitor 774S - Pemukan 932S	2012-06-30	\$4,000,000	TFO Preparing Estimates
					1021 Heatburg 948S - Three Hills-Nevis 144kV D/C Line 7L16/7L159	ATCO			1 Heatburg 948S - Three Hills-Nevis 144kV D/C Line	2012-06-30	\$7,000,000	TFO Preparing Estimates
					1022 Cornish Lake 954S - Michichi-Three Hills 144kV DC Line 7L25	ATCO			1 Cornish Lake 954S - Michichi-3Hills 144kV D/C Line	2012-06-30	\$11,000,000	TFO Preparing Estimates
					1023 Stettler 769S - Nevis 768S 144kV S/C Line 7L143	ATCO			1 Stettler 769S - Nevis 768S 144kV S/C Line	2012-06-30	\$8,000,000	TFO Preparing Estimates
					1024 Nilrem 574S combined with D/C 240kV 953L -1047L(ex 953L)	AML			1 Nilrem 574S combined with D/C 240kV 953L - 1047L(ex 953L)	2012-06-30	\$45,000,000	TFO Preparing Estimates
					1025 Tucuman 478S combined with D/C 138kV 679L-680L	AML			1 Tucuman 478S combined with D/C 138kV 679L-680L	2012-06-30	\$2,500,000	TFO Preparing Estimates
					1026 Hansman Lake 650S SVC addition	AML			1 Hansman Lake 650S SVC addition	2012-09-30	\$55,000,000	TFO Preparing Estimates

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					1027	New 240 kV line 966L from Pemukan 932S -Hansman Lake 650S	AML		1	New 240 kV line 966L from Pemukan 932S - Hansman Lake 650S	2012-06-30	\$18,000,000	TFO Preparing Estimates	
					1028	New 240kV line 1060L from Ware Junction 132S-West Brooks 28S	AML		1	New 240kV line 1060L from Ware Junction 132S-West Brooks 28S	2012-06-30	\$58,000,000	TFO Preparing Estimates	
NCTD	North Central Transmission Development	1	North Central Transmission Development	2009-07-08		AUC Reviewing NID								
	Transmission System Upgrade in North Central Area.				1005	2x 25kV Breaker addition at Fieldgate	ATCO	2009-09-10	1	All Equipment	2010-03-31	\$1,196,000	AUC Reviewing Facilities Application	
					1006	ATCO Slave Lake-High Prairie 144kV System Upgrade	ATCO		1	All Equipment	2012-12-31	\$50,760,000	Waiting for Need Phase Completion	
NWTD	North West Transmission Development	1	North West Transmission Development	2006-03-06	2006-08-17	NID Approved								
	NW Transmission Development				598	9L15-240kV Wesley Creek 834S to Brintnell 876S. 2x300 MVA Tx	ATCO	2007-06-19	2007-11-23	1	Wesley Creek 834S Energize Bkr 701	2009-09-03	\$208,329,000	Facilities Application Approved
									2	Wesley Creek 834S Energize 902T,909R,903, 9L15 and 503	2009-12-08			
									3	Wesley Creek 834S Energize 902	2009-12-08			
									4	Wesley Creek 834S Energize 901T, 901, 904	2009-12-08			
									5	Brintnell 876S Energize bkr 904	2009-09-14			
									6	Brintnell 876S Energize bkr 903	2009-10-01			
					599	7L131/7L106 144kv D/C line Wesley Creek to Meikle 905S & CTs	ATCO	2008-07-29	2008-12-19	1	All Equipment	2010-09-30	\$193,189,000	Facilities Application Approved
					600	7L133-144 kv S/C line Sulphur Point 828S to High Level 786S	ATCO	2009-05-19	2009-09-11	1	All Equipment	2011-04-01	\$77,558,000	Facilities Application Approved
					601	High Level 786S +/- 30 MVAR SVC	ATCO	2009-04-14	2009-09-01	1	All Equipment	2010-06-30	\$12,298,000	AUC Reviewing Facilities Application
					602	7L113-144kv S/C line Ring Creek 853S to New Arcenciel 930S	ATCO			1	All Equipment	2012-04-30	\$121,246,000	TFO Preparing Facilities Application
					603	Arcenciel 930S -30 +50 MVAR synch cond Under review	ATCO			1	All Equipment	2012-04-30	\$21,402,000	TFO Preparing Facilities Application
					605	Arcenciel 930S +/- 30 MVAR SVC	ATCO			1	All Equipment	2011-09-01	\$12,050,000	TFO Preparing Facilities Application
					606	Little Smoky 813S-install +/- 100MVAR SVC & 2-144kV breakers	ATCO	2009-06-29	2009-06-29	1	Energize bkrs 717 and 718	2009-09-03	\$21,554,000	Facilities Application Approved
									2	Energize SVC	2010-03-30			
SATD	Southwest Alberta Transmission Development	1	Southwest Alberta Transmission Development	2004-03-31	2005-05-17	NID Approved								
	Transmission development in Goose Lake - Peigan and North Lethbridge				970	D/C 240kV Line from Goose Lake 103S to Peigan 59S	AML	2004-04-05	2009-05-11	1	All Equipment	2010-06-24	\$199,000,000	Facilities Application Approved
					971	D/C 240kV line from Peigan 59S and N.Lethbridge 370S	AML	2006-02-10	2009-05-11	1	All Equipment	2010-05-26		Facilities Application Approved
					972	138kV Tie Line between 170L and 725L	AML	2008-11-14	2009-07-07	1	All Equipment	2010-06-24		Facilities Application Approved

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					973 Reconductoring 2km of 616L (170L) line	AML	2006-04-13	2009-05-11	1 All Equipment	2010-06-24		Facilities Application Approved
SATR Southern Alberta Transmission Reinforcement	1 Southern Alberta Transmission Reinforcement	2008-12-30	2009-09-17	NID Approved	882 Stage 1 - 911L Line Replacement	AML			1 All Equipment	2013-12-15	\$345,100,000	TFO Preparing Facilities Application
					883 Stage 1 - Milo Junction Switching Station	AML			1 All Equipment	2011-01-31	\$29,700,000	TFO Preparing Facilities Application
					884 Stage 1 - PST Addition at Coleman 799S	AML			1 All Equipment	2012-11-27	\$13,300,000	TFO Preparing Facilities Application
					886 Stage 1 - 240kV lines from West Brooks to E. Med Hat S/S	AML			1 All Equipment	2013-03-31	\$222,500,000	TFO Preparing Facilities Application
					887 Stage 1 - East Med Hat to Whitlea 240 kV Transmission Line	AML			1 All Equipment	2013-03-31	\$194,300,000	TFO Preparing Facilities Application
					888 Stage 1 - Med Hat Area 138kV line development	AML			1 All Equipment	2013-06-30	\$50,300,000	TFO Preparing Facilities Application
					1034 Stage 2 - Chapel Rock Sub and 240kV line to Fidler	AML			1 All Equipment	2015-02-15	\$217,400,000	Preparing Direction
					1035 Stage 2 - Sub C and 240kV line to MATL S/S	AML			1 All Equipment	2014-08-15	\$128,400,000	Preparing Direction
					1036 Stage 2 - Goose Lake S/S to Sub C 240kV line	AML			1 All Equipment	2015-09-15	\$186,600,000	Preparing Direction
					1037 Stage 2 - Sub C to Whitlea 240kV line	AML			1 All Equipment	2014-08-15	\$79,300,000	Preparing Direction
					1038 Stage 2 - Blackie Area 138kV Upgrade	AML			1 All Equipment	2014-05-15	\$18,100,000	Preparing Direction
					1039 Stage 2 - Cypress Substation SVC	AML			1 All Equipment	2013-08-15	\$31,100,000	Preparing Direction
					1040 Stage 2 - Ware Junction Substation Upgrade	AML			1 All Equipment	2012-02-15	\$10,300,000	Preparing Direction
SETR South East Transmission Reinforcement	1 South East Transmission Reinforcement	2007-09-27	2008-07-11	NID Approved	974 City of Lethbridge	Leth.	2009-03-15		1 All Equipment	2010-03-01	\$5,000,351	AUC Reviewing Facilities Application
System reinforcement at Lethbridge, Brooks and Empress					975 AML North Lethbridge	AML	2009-02-24		1 All Equipment	2010-02-15	\$9,265,336	AUC Reviewing Facilities Application
					976 Brooks Area Transmission Development	AML	2008-12-18	2009-03-17	1 All Equipment	2010-01-29	\$4,000,000	Facilities Application Approved
					981 Brooks New Transformers	AML	2008-12-18	2009-03-17	1 All Equipment	2009-11-30	\$8,000,000	Facilities Application Approved
					983 ATCO 9L933/934 & 9L950 Upgrade	ATCO			1 All Equipment	2010-03-01	\$1,477,000	FA not required-minor protection changes only
					984 New Cypress Substation 562S	AML	2008-12-23	2009-04-28	1 All Equipment	2009-12-18	\$21,000,000	Facilities Application Approved
					985 Jenner 240kV Diameter Addition	AML	2008-12-12	2009-03-02	1 All Equipment	2009-09-30	\$3,000,000	Facilities Application Approved
					986 ATCO - McNeil 840S Cap Bank addition	ATCO	2009-08-04		1 All Equipment	2010-06-30	\$5,500,000	AUC Reviewing Facilities Application
					987 Cypress 669L line	AML	2008-12-23	2009-04-28	1 All Equipment	2009-12-18	\$2,100,000	Facilities Application Approved
					988 Cypress 658L/668L line	AML	2008-12-23	2009-04-28	1 All Equipment	2009-12-18		Facilities Application Approved

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					989 Cypress 830L line	AML	2008-12-23	2009-04-28	1 All Equipment	2009-12-18		Facilities Application Approved
					990 Cypress 975L.1011L line	AML	2008-12-23	2009-04-28	1 All Equipment	2009-12-18		Facilities Application Approved
					991 Jenner 951L/1002L line-in and out	AML	2008-12-12	2009-03-02	1 All Equipment	2009-09-30		Facilities Application Approved
					992 Amoco Empress Thermal Upgrades	AML	2008-12-12	2009-03-02	1 All Equipment	2009-10-30		Facilities Application Approved
					993 Jenner Thermal Upgrades	AML	2008-12-12	2009-03-02	1 All Equipment	2009-09-30	\$2,000,000	Facilities Application Approved
					1031 Installation of a new 27 MVAR Cap Bank @ 138 kV at Tilley 49	AML	2009-03-20	2009-04-23	1 All Equipment	2010-02-26	\$2,000,000	Facilities Application Approved
					1032 Brooks 240kV lines upgrade	AML	2009-03-20	2009-04-22	1 All Equipment	2010-04-30	\$4,000,000	Facilities Application Approved
					1033 New 138kV line 666L	AML	2009-05-08		1 All Equipment	2010-03-30	\$25,273,000	AUC Reviewing Facilities Application
YATD Yellowhead Area Transmission Development	1 Yellowhead Area Transmission Development			2009-06-09	AUC Reviewing NID							
Yellowhead Area Transmission Development - all NID work completed under P671					909 Hinton/Edson Area Transmission Development	AML			1 All Equipment	2011-11-01	\$29,670,225	TFO Preparing Facilities Application
					910 Cold Creek 602S 138kV, 27 MVAR Capacitor Bank	AML			1 All Equipment	2010-11-01	\$1,960,875	TFO Preparing Facilities Application
					911 Cherhill Substation and 240kV Interconnection	AML			1 All Equipment	2010-12-15	\$19,825,014	TFO Preparing Facilities Application
					912 Drayton Valley Area 138 kV Transmission Development	AML			1 All Equipment	2010-12-15	\$38,260,000	TFO Preparing Facilities Application

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Notes:

1. Program Name and Description: This is the AESO designation for a group of projects that fall under a system study. This will include Need Filings, Facility Proposal Filings, and Energizations.
2. Need Filing: This is the identifier within the Program of a Need Identification Document (NID) that has been submitted to the AUC for approval as per the requirement of Section 34(1) of the Act. There may be multiple Need Filings associated with a Program. Need Filings will be removed from this report when all equipment associated with the Need Filing is in service.
3. Need Filed: This is the date that the NID was filed with the AUC.
4. Need Approval: This is the date the NID is approved by the AUC.
5. Need Filing Status: This is the current status of the Need Filing.
6. Facility Proposal Filing: This is the identifier of the TFO's Facility Proposal Filing (sometimes called Permit and License application) that has been registered with the AUC. There may be multiple Facility Proposals associated with a Need Filing. Facility Proposal Filings will be removed from this report when all equipment associated with the Facility Proposal Filing is in service.
7. TFO: This is the Transmission Facility Owners (TFO) who has filed the Facility Proposal, and is responsible for the estimates, schedule, construction and costs for the project.
8. Facility Filed: This is the date the Facility Proposal was registered with the AUC.
9. Facility Approved: This is the date the Facility Proposal was approved by the AUC.
10. Energization: This is the identifier within the Facility Proposal of the energization dates of various pieces of equipment. There may be multiple Energizations associated with a Facility Proposal. Energizations will be removed from this report when they are in service.
11. Forecast ISD: This is the most recent information the TFO has provided on the expected In Service Date of the equipment within the Energization. This information is typically provided in the Proposal to Provide Service (PPS) or Monthly Project Reports.
12. Forecast Cost: This is the most recent estimate provided by the TFO. This could come from the NID Estimate, PPS Estimate, Monthly Project Report, Project Variance Report, or Final Cost Report. This cost is associated with the Facility Proposal Filing.
13. Facility Filing Status: This is the current status of the Facility Proposal Filing.