

AESO Transmission System Projects - Quarterly Report - Q4 2011

- see notes at the end of this document for report terminology and definitions
 - data in report is current as of January 26th, 2012



Project Name and Number	Need Application Filing	Need Application Approval	Need Application Estimated Cost ³	TFO	Facility Application Number	Facility Application Name	Facility Application Filing	Facility Application Approval	Proposal To Provide Service Estimated Cost	Authorized Budget	Energization Number	Energization Name	Forecast In-Service Date																																																							
535 - North West Transmission Development	Mar 06, 2006	Aug 17, 2006	\$312,000,000	ATCO	1	9L15 240kV Wesley Creek 834S to Brintnell 876S, 2 300MVA Tx P598 (Formerly P598)	Jun 19, 2007	Nov 23, 2007	\$208,329,000	\$208,329,000	1	Bkr 701	Sep 03, 2009																																																							
											2	902T, 903, 503	Dec 19, 2009																																																							
											3	902	Feb 03, 2010																																																							
											4	909, 909R	Dec 18, 2009																																																							
											5	9L15	Dec 18, 2009																																																							
											6	901, 901T	Mar 19, 2010																																																							
											7	904	Oct 01, 2009																																																							
											8	7L131/7L106 144kv D/C line Wesley Creek to Meikle 905S & CTs	Sep 29, 2010																																																							
					2	7L131/7L106 144kv D/C line Wesley Creek to Meikle 905S & CTs P599 (Formerly P599)	Jul 29, 2008	Dec 19, 2008	\$193,189,000	\$193,189,000	8	7L131/7L106 144kv D/C line Wesley Creek to Meikle 905S & CTs	Sep 29, 2010																																																							
											9	7L133-144 kv S/C line Sulphur Point 828S to High Level 786S P600 (Formerly P600)	Mar 19, 2011																																																							
											10	High Level 786S +/- 30 MVAR SVC (Formerly P601)	Jun 30, 2010																																																							
											11	New Arcenciel stn, 7L122, 7L93	Aug 30, 2011																																																							
											12	Ring Creek to Arcenciel 144 kV Line 7L113	Dec 13, 2011																																																							
											17	Arcenciel Cap Bank	Dec 13, 2011																																																							
											18	7L64 and 7L109	Oct 31, 2011																																																							
											13	Arcenciel 930S -30 +50 MVAR synch cond (Formerly P603)	Mar 01, 2013																																																							
3	7L113-144kv S/C line Ring Creek 853S to New Arcenciel 930S (Formerly P602,P604)	Jun 30, 2010	Dec 02, 2010	\$121,246,000	\$65,903,000	14	Arcenciel 930S +/- 30 MVAR SVC	Sep 07, 2011																																																												
						15	Bkrs 717 and 718	Sep 03, 2009																																																												
						16	SVC	Mar 31, 2010																																																												
						1	All Phase 1 Lethbridge Equipment	May 14, 2010																																																												
						2	All Phase 1 AltaLink Equipment	May 28, 2010																																																												
						3	Brooks Area Transmission Development	Sep 30, 2010																																																												
						4	Brooks New Transformers	Nov 22, 2009																																																												
						5	New 138kV line 666L	Jan 28, 2012																																																												
536 - South East Transmission Reinforcement	Sep 27, 2007	Jul 11, 2008	\$74,500,000	Lethbridge	1	City of Lethbridge	Mar 15, 2009	Jan 22, 2010	\$5,000,000	\$5,000,000	1	All Phase 1 Lethbridge Equipment	May 14, 2010																																																							
											AltaLink	2	AML North Lethbridge	Feb 24, 2009	Nov 06, 2009	\$7,953,000	\$9,274,000	2	All Phase 1 AltaLink Equipment	May 28, 2010																																																
																		3	Brooks Area Transmission Development	Dec 18, 2008	Mar 17, 2009	\$1,464,000	\$2,218,000	3	Brooks Area Transmission Development	Sep 30, 2010																																										
																								4	Brooks New Transformers	Dec 18, 2008	Mar 17, 2009	\$12,956,000	\$12,956,000	4	Brooks New Transformers	Nov 22, 2009																																				
																														5	New 138kV line 666L	Nov 19, 2009	\$8,015,000	\$9,874,000	5	New 138kV line 666L	Jan 28, 2012																															
																																			6	Brooks 240kV Line Upgrades	Mar 20, 2009	Apr 22, 2009	\$456,000	\$456,000	6	Brooks 240kV Line Upgrades	Nov 30, 2010																									
																																									7	New 27MVar Cap Bank at Tilley 498S	Mar 22, 2010																									
				ATCO	8	9L933/934 & 9L950 Upgrade	Aug 27, 2007	Mar 10, 2008	\$1,477,000	\$1,477,000	7	New 27MVar Cap Bank at Tilley 498S	Mar 22, 2010																																																							
											AltaLink	9	New Cypress Substation 562S	Dec 23, 2008	Apr 28, 2009	\$35,629,000	\$37,630,000	8	9L933/934 & 9L950 Upgrade	Nov 30, 2010																																																
																		10	Jenner 240kV Diameter Addition	Dec 12, 2008	Mar 02, 2009	\$5,176,000	\$5,357,000	9	New Cypress Substation 562S	Mar 05, 2010																																										
																								11	Cypress 669L	Dec 23, 2008	Apr 28, 2009	Included in FA 9	Included in FA 9	10	Jenner 240kV Diameter Addition	Oct 23, 2009																																				
																														12	Cypress 658L/668L	Dec 23, 2008	Apr 28, 2009	Included in FA 9	Included in FA 9	11	Cypress 669L	Feb 25, 2010																														
																																				13	Cypress 830L	Dec 23, 2008	Apr 28, 2009	Included in FA 9	Included in FA 9	12	Cypress 658L/668L	Feb 25, 2010																								
																																										14	975L, 1011L	Dec 23, 2008	Apr 28, 2009	Included in FA 9	Included in FA 9	13	Cypress 830L	Apr 11, 2010																		
																																																15	Jenner 951L, 1002L Line in and out	Dec 12, 2008	Mar 02, 2009	Included in FA 10	Included in FA 10	14	975L, 1011L	Jan 27, 2010												
																																																						16	Amoco Empress Thermal Upgrades	Dec 12, 2008	Mar 02, 2009	\$2,737,000	\$3,547,000	15	Jenner 951L, 1002L Line in and out	Sep 30, 2009						
																																																												17	Jenner Thermal Upgrades	Dec 12, 2008	Mar 02, 2009	Included in FA 16	Included in FA 16	16	Amoco Empress Thermal Upgrades	Oct 30, 2009
																																																																		17	Jenner Thermal Upgrades	Sep 30, 2009
ATCO	18	McNeil 840S Cap Bank	Aug 04, 2009	Dec 01, 2009	\$4,653,000	\$2,324,000	16	McNeil 840S Cap Bank	Jul 13, 2010																																																											
626 - ENMAX South 69kV Conversion	Apr 09, 2009	Apr 18, 2012	\$22,242,000	ENMAX	1	Enmax South 69kV Stage 1	Apr 16, 2009	Apr 25, 2012	\$11,360,000	\$11,360,000	18	Enmax South 69kV Stage 1	Dec 23, 2013																																																							
											2	Enmax South 69kV Stage 2	Nov 28, 2012																																																							
											3	Enmax South 69kV Stage 3	Dec 27, 2013																																																							
629 - Alberta Industrial Heartland Bulk Transmission Development	CTI	Dec 09, 2009	CTI	AltaLink & EPCOR	1	500kV 1206L/1212L (Formerly P629)	Sep 27, 2010	Nov 01, 2011	\$579,613,000	\$579,613,000	1	1206L/1212L	Sep 30, 2013																																																							
											AltaLink	2	Heartland 12S Ellerslie 89S and 1054L/1061L (Formerly P1066)	Sep 27, 2010	Nov 01, 2011	2	Heartland 12S Ellerslie 89S and 1054L/1061L	Sep 30, 2013																																																		
671 - Yellowhead Area Transmission Development	Jun 09, 2009	May 12, 2010	\$98,800,000*	AltaLink	1	Hinton/Edson Area Transmission (Formerly P909)	Aug 05, 2010	Apr 29, 2011	\$51,364,000	\$51,364,000	1	Hinton/Edson Area Transmission 745L and 671L at Bickerdike	May 31, 2012																																																							
											2	Cold Creek 602S 138kV, 27 MVAR Capacitor Bank (Formerly P910)	Jul 08, 2010	Aug 16, 2010	\$2,254,000	\$2,254,000	11	Bickerdike 2 breakers	Feb 29, 2012																																																	
																	2	Cold Creek 602S 138kV, 27 MVAR Capacitor Bank	Feb 09, 2011																																																	
					3	Cherhill Substation and 240kV Interconnection (Formerly P911)	Jul 26, 2010	Apr 21, 2011	\$30,500,000	\$30,510,000	3	Cherhill Substation and 240kV Interconnection	Apr 02, 2012																																																							
											5	Amoco Brazeau 358S Cap Bank	Aug 24, 2011																																																							
											6	Cynthia 178S Cap Bank	Sep 11, 2011																																																							
											7	Brazeau 62S breaker on Oct 6 and Cap Bank on Oct 13	Oct 13, 2011																																																							
											8	Entwistle 235S/672L/Moon Lake 131S Breaker and T1. Remove 2 69 kV trans from Moon Lake, salvage 129L Entwistle to Moon Lake	Sep 14, 2011																																																							
											9	Moon Lake 131S/673L/Violet Grove 283S	Dec 21, 2011																																																							
											10	Entwistle 235S T1	Dec 20, 2011																																																							
					4	Drayton Valley Area 138kV Transmission (Formerly P912)	Jul 30, 2010	Apr 27, 2011	\$41,856,000	\$43,069,000	12	New Breaker at Violet Grove	Oct 04, 2011																																																							
											1	240 kV part of Salt Creek 9L23 to Ruth Lake	Apr 30, 2012																																																							
673 - Ft McMurray Area 144 kV Reinforcement	Jul 29, 2010	Apr 18, 2011	\$38,489,000	ATCO	1	Salt Creek 144 kV Reinforcement	Aug 05, 2010	Apr 18, 2011	\$31,537,000	\$28,491,000	2	Salt Creek 240 kV Bus Work	Jun 01, 2012																																																							
											3	Salt Creek Trans/Hangingstone 144 kV	Aug 01, 2012																																																							
											1	ATCO East DC Facilities	Jun 30, 2014																																																							
				ATCO	1	ATCO East DC Facilities (Currently know to TFO as P961)	Mar 29, 2011	Jun 29, 2012	\$1,775,755,000	\$1,775,755,000	1	ATCO East DC Facilities	Jun 30, 2014																																																							

AESO Transmission System Projects - Quarterly Report - Q4 2011

- see notes at the end of this document for report terminology and definitions
 - data in report is current as of January 26th, 2012



Project Name and Number	Need Application Filing	Need Application Approval	Need Application Estimated Cost ³	TFO	Facility Application Number	Facility Application Name	Facility Application Filing	Facility Application Approval	Proposal To Provide Service Estimated Cost	Authorized Budget	Energization Number	Energization Name	Forecast In-Service Date
737 - North South Transmission Reinforcement	CTI	Dec 09, 2009	CTI	AltaLink	3	AltaLink East DC Facilities (Currently know to TFO as P961)	May 01, 2011	Sep 28, 2012	\$42,551,000	\$42,551,000	3	AltaLink East DC Facilities	Jan 03, 2014
				EPCOR	4	EPCOR East DC Facilities (Currently know to TFO as P961)	Mar 30, 2011	Sep 28, 2012	\$120,000	\$120,000	4	EPCOR East DC Facilities	Jan 03, 2014
				AltaLink & EPCOR	2	AltaLink/EPCOR West DC Facilities (Currently known to TFO as P962)	Mar 01, 2011	May 31, 2012	\$1,542,205,000	\$1,542,205,000	2	All AltaLink/EPCOR Equipment	Oct 14, 2014
786 - Edmonton Region 240kV Line Upgrades	Aug 26, 2008	Feb 24, 2009	\$125,410,000	AltaLink	1	AML Keephills Substation Addition (Formerly P953)	Nov 06, 2009	Mar 19, 2010	\$101,345,000	\$111,934,000	1	Keephills substation addition	Jul 31, 2010
					2	Rebuild 240kV 904L	Jul 28, 2010	Aug 12, 2011			2	12km new 904L (renumbered as 1043L)	Jan 29, 2013
					4	AML 902L Restrung & 909L Retermination (Formerly P1057)	Aug 05, 2011	Jan 11, 2012			11	50km of rebuild 904L (1043L)	Jan 29, 2013
					5	AML 908L, 909L Restrung (Formerly P1058)	Sep 13, 2009	Feb 10, 2010			4	902L restrung	Mar 05, 2013
					6	Epoch Jasper, Petrolia (Formerly P955)	Apr 15, 2010	Jun 16, 2010			5	909L re-terminate back to Sundance	Jan 10, 2013
					3	1044EL, 1045EL (Formerly P955)	Oct 15, 2010	Aug 12, 2011			6	1045 restrung, renumber line 1044L, 1044EL, 1045EL	Apr 15, 2011
					7	ATCO Phase Shifter (Formerly P957)	Sep 14, 2009	Mar 25, 2010			7	909L Restrung	Apr 15, 2011
					8	TransAlta 902L, 1043L (Formerly P959)	Aug 05, 2011	Jan 11, 2012			8	Jasper, Petrolia substation switchgear	Jun 29, 2011
					6	Epoch Jasper, Petrolia (Formerly P955)	Apr 15, 2010	Jun 16, 2010			3	Jasper Tab change, 1044EL, 1045EL restrung. Line number change to 1055L, 1055EL, 1056L, 1056EL	Mar 01, 2012
					7	ATCO Phase Shifter (Formerly P957)	Sep 14, 2009	Mar 25, 2010			9	Phase Shifting Transformer	Jul 02, 2012
787 - Southern Alberta Transmission Reinforcement	Dec 30, 2008	Sep 17, 2009	\$3,439,000,000	AltaLink	1	911L Line Replacement (Formerly P882)	Dec 05, 2011	Mar 10, 2013	\$436,381,000	\$436,381,000	1	911L	Oct 09, 2014
					14	138kV Development at Windy Flats	Jan 16, 2012	Mar 10, 2013	Included in FA 1	Included in FA 1	14	138kV Development at Windy Flats	Oct 09, 2014
					2	Milo Junction Switching Station (Formerly P883)	Dec 21, 2009	Aug 05, 2010	\$29,700,000	\$29,700,000	2	New Milo Junction	Oct 31, 2011
					3	PST Addition at Russell 632S (Formerly P884)	Aug 27, 2010	Jan 12, 2011	\$17,207,000	\$17,207,000	3	Russell PST	Dec 20, 2011
					4	Cassils to Bowmanton (Formerly P886)	Jul 27, 2010	Jun 08, 2011	\$407,909,000	\$407,909,000	4	Cassils to Medicine Hat	Mar 25, 2014
					5	Bowmanton to Whittla 240kV Transmission Line (Formerly P887)	Jul 27, 2010	Jun 08, 2011	\$352,754,000	\$352,754,000	5	East Med Hat to Whittla 240kV Transmission Line	Mar 31, 2014
					6	Med Hat Area 138kV Line Development (Formerly P888)	Dec 20, 2011	Jan 30, 2013	\$120,287,000	Future	6	Med Hat Area 138kV Line Development	May 26, 2014
					7	Chapel Rock Sub and 240kV line to Fidler (Formerly P1034)	Mar 02, 2014	Jan 27, 2015	Future	Future	7	Chapel Rock Sub and 240kV line to Fidler	Apr 21, 2016
					15	Fidler Substation	Sep 01, 2013	Jan 15, 2014	Future	Future	15	Fidler Substation	Aug 08, 2015
					8	Etzikom Culee S/S and 240kV line to Picture Butte S/S (Formerly P1035)	May 14, 2012	May 30, 2013	Future	Future	8	Sub C and 240kV line to MATL S/S	Jul 20, 2015
					9	Goose Lake S/S to Etzikom Culee S/S 240kV Line (Formerly P1036)	Sep 10, 2012	Oct 04, 2013	Future	Future	9	Goose Lake S/S to Sub C 240kV Line	Mar 31, 2016
					10	Etzikom Culee S/S to Whittla 240kV Line (Formerly P1037)	Mar 23, 2012	Apr 18, 2013	Future	Future	10	Sub C to Whittla 240kV Line	May 20, 2015
					11	Blackie Area 138kV Upgrade (Formerly P1038)	Jun 29, 2012	Dec 29, 2012	Future	Future	11	Blackie Area 138kV Upgrade	Nov 15, 2013
12	Cypress Substation SVC (Formerly P1039)	Jan 18, 2012	Mar 14, 2012	Future	Future	12	Cypress Substation SVC	Feb 28, 2014					
791 - North Ft McMurray Transmission Development	Aug 12, 2010	Jun 24, 2011	\$237,440,000	ATCO	1	North Fort McMurray 240 kV Transmission Development	Sep 10, 2010	Jul 28, 2011	\$237,440,000	\$195,110,000	1	McLelland to Black Fly	Apr 30, 2012
					2					2	Salt Creek to Black Fly	Apr 01, 2013	
811 - Central East Area Transmission Development	May 17, 2010	Feb 10, 2011	\$431,000,000	ATCO	1	Cold Lake Area Reinforcements - Except Bonnyville	Jan 30, 2012	Jun 13, 2012	\$139,571,000	\$139,571,000	1	Cold Lake Area Reinforcements - Except Bonnyville	Mar 20, 2013
					2	Cold Lake Area Reinforcements - Bonnyville	Jan 30, 2012	Jun 13, 2012	Included in FA 1	Included in FA 1	2	Cold Lake Area Reinforcements - Bonnyville	Aug 01, 2013
					3	St. Paul Area Upgrades - Watt Lake, 7LA92	Dec 23, 2011	Jun 13, 2012	\$50,847,000	\$50,847,000	3	St. Paul Area Upgrades - Watt Lake and 7LA92	Mar 20, 2013
					4	St. Paul Area Upgrades - St. Paul 707S, 7L139/7L70	Jan 30, 2012	Jun 13, 2012	Included in FA 3	Included in FA 3	4	St. Paul Area Upgrades - St. Paul 707S, 7L139/7L70	Oct 01, 2013
					17	St. Paul Area Upgrades - Whitby Lake 819S	Dec 23, 2011	Jun 13, 2012	Included in FA 3	Included in FA 3	24	St. Paul Area Upgrades - Whitby Lake 819S	Oct 01, 2013
					5	Vermillion 710S Substation Upgrade	Oct 24, 2011	Jun 13, 2012	\$6,697,000	\$6,697,000	5	Vermillion 710S Substation Upgrade	Mar 20, 2013
					6	Heisler Area Upgrades	Dec 23, 2011	Jun 13, 2012	\$33,508,000	\$33,508,000	6	Heisler Area Upgrades	Mar 20, 2013
					7	Kitscoty Area Upgrades	Jan 30, 2012	Jun 13, 2012	Included in FA 6	Included in FA 6	7	Kitscoty Area Upgrades	Jul 01, 2013
					8	7L749 Replacement	Jul 31, 2012	Feb 12, 2013	\$33,170,000	\$33,170,000	8	7L749 Replacement	Nov 29, 2013
					9	7L701 Line Clearance Mitigation (Letter Of Enquiry)	Oct 24, 2011	Jun 13, 2012	\$13,283,000	\$13,283,000	9	7L701 Line Clearance Mitigation (Letter Of Enquiry)	Mar 20, 2013
					15	7L14 Line Clearance Mitigation (Letter Of Enquiry)	Oct 24, 2011	Jun 27, 2012	Included in FA 9	Included in FA 9	22	7L14 Line Clearance Mitigation (Letter Of Enquiry)	Apr 03, 2013
					16	7L53 Line Clearance Mitigation (Letter Of Enquiry)	Oct 24, 2011	Jun 27, 2012	Included in FA 9	Included in FA 9	23	7L53 Line Clearance Mitigation (Letter Of Enquiry)	Apr 03, 2013
					10	Provost & Wainwright Area Upgrades	May 08, 2012	Nov 20, 2012	Future	Future	10	New 138 kV S/C line (409L) from Provost 545S to Hayter 277S	Sep 01, 2013
					11	Provost & Wainwright Area Upgrades	May 08, 2012	Nov 20, 2012	Future	Future	11	Rebuild existing S/C line (748L) from Hayter 277S to Killarney Lake 267S	Sep 01, 2013
					12	Provost & Wainwright Area Upgrades	May 08, 2012	Nov 20, 2012	Future	Future	12	Rebuild existing S/C line (715L/715AL) from Hansman Lake 650S to Porvost 545S	Oct 01, 2013
					13	Provost & Wainwright Area Upgrades	May 08, 2012	Nov 20, 2012	Future	Future	13	Addition of 138/69kV transformer addition and alterations at Wainwright 51S	Nov 01, 2013
14	Provost & Wainwright Area Upgrades	May 08, 2012	Nov 20, 2012	Future	Future	14	New 138 kV S/C line (415L) from Wainwright to Edgerton	Nov 01, 2013					
15	Provost & Wainwright Area Upgrades	May 08, 2012	Nov 20, 2012	Future	Future	15	Rebuild existing SIC line (749L) from Metiskow 648S to AltaLink/ATCO service boundary	Feb 01, 2014					
16	Provost & Wainwright Area Upgrades	May 08, 2012	Nov 20, 2012	Future	Future	16	New 138 kV D/C line (407L/410L) from Killarney Lake 267S to rebuilt 749L and salvage of existing line (749AL)	May 01, 2014					
17	Provost & Wainwright Area Upgrades	May 08, 2012	Nov 20, 2012	Future	Future	17	Rebuild existing lines (704/704AL) that will connect Wainwright 51S to Jarrow 252S and Tucuman 478S	Sep 01, 2014					
11	7L50 Rebuild	Oct 19, 2015	May 02, 2016	Future	Future	18	7L50 Rebuild	Dec 01, 2017					
12	Cold Lake Reinforcement (2017) - 240kV	Sep 07, 2015	Mar 21, 2016	Future	Future	19	Cold Lake Reinforcement (2017) - 240kV	Dec 01, 2017					

AESO Transmission System Projects - Quarterly Report - Q4 2011

- see notes at the end of this document for report terminology and definitions
 - data in report is current as of January 26th, 2012



Project Name and Number	Need Application Filing	Need Application Approval	Need Application Estimated Cost ³	TFO	Facility Application Number	Facility Application Name	Facility Application Filing	Facility Application Approval	Proposal To Provide Service Estimated Cost	Authorized Budget	Energization Number	Energization Name	Forecast In-Service Date
812 - Hanna Region Transmission Development	Aug 14, 2009	Apr 29, 2010	\$983,000,000	ATCO	1	Youngstown 772S Capacitor bank addition (Formerly P977)	Aug 09, 2010	Nov 15, 2010	\$6,289,000	\$5,932,000	1	Youngstone 772S Capacitor bank addition	Oct 19, 2011
					2	Battle River 757S Capacitor Bank addition (Formerly P978)	Aug 09, 2010	Aug 27, 2010	\$3,002,000	\$2,831,000	2	Battle River 757S Capacitor Bank addition	Oct 03, 2011
					3	New Lanfine 240/144kV substation (Formerly P979)	Dec 21, 2010	Mar 15, 2012	\$38,745,000	\$36,543,000	3	New Lanfine 240/144kV substation	Mar 01, 2013
					4	Lanfine 959S 200MVA SVC (Formerly P980)	Mar 04, 2011	Mar 15, 2012	\$39,360,000	\$37,123,000	4	Lanfine 959S 200MVA SVC	May 31, 2013
					5	Lanfine-Oyen 144kV S/C Line 7L132 (Formerly P982)	Mar 21, 2011	Mar 15, 2012	\$15,623,000	\$14,735,000	5	Lanfine-Oyen 144kV S/C Line 7L132	May 31, 2013
					6	Relocate 7L98 Oyen 767S - Lanfine 959S (Formerly P995)	Mar 21, 2011	Dec 22, 2011	\$12,770,000	\$12,044,000	6	Relocate 7L98 Oyen 767S - Lanfine 959S	Aug 30, 2013
					7	Oakland 946S 240kV S/S combined with Anderson-Oakland line (Formerly P996)	Nov 25, 2010	Mar 16, 2012	\$45,467,000	\$43,749,000	7	Oakland 946S 240kV S/S combined with Anderson-Oakland line	Mar 31, 2013
					8	Oakland-Lanfine 240kV S/C Line 9L924 (Formerly P998)	Dec 21, 2010	Mar 15, 2012	\$119,927,000	\$113,110,000	8	Oakland-Lanfine 240kV S/C Line 9L924	Mar 31, 2013
					9	Coyote Lake 963S 240kV S/S combined with Oakland-Coyote line (Formerly P999)	Feb 07, 2011	Mar 15, 2012	\$77,799,000	\$73,377,000	9	Coyote Lake 963S 240kV S/S combined with Oakland-Coyote line	Apr 30, 2013
					10	Coyote Lake 963S - Michichi Creek 802S 144kV SC Line 7L128 (Formerly P1000)	Apr 08, 2011	Mar 15, 2012	\$39,251,000	\$37,020,000	10	Coyote Lake 963S - Michichi Creek 802S 144kV SC Line 7L128	May 31, 2013
					11	Pemukan 932S 240 kV Substation (Formerly P1001)	Jan 24, 2010	Mar 15, 2012	\$32,490,000	\$30,643,000	11	Pemukan 932S 240 kV Substation	May 31, 2013
					12	New Lanfine-Pemukan 240kV S/C Line 9L46 (Formerly P1003)	Mar 03, 2011	Mar 15, 2012	\$97,239,000	\$91,712,000	12	New Lanfine-Pemukan 240kV S/C Line 9L46	May 31, 2014
					13	144 kV Capacitor Bank and Circuit Breaker Additions at Three Hills Substation 770S (Formerly P1022)	Oct 08, 2010	Dec 23, 2010	\$27,037,000	\$25,500,000	13	144 kV Capacitor Bank and Circuit Breaker Additions at Three Hills Substation 770S	Dec 13, 2011
					14	Hansman Lake - Pemukan 240kV S/C Line 9L966 (Formerly P1011)	Jan 24, 2011	Mar 15, 2012	\$67,685,000	\$63,838,000	14	Hansman Lake - Pemukan 240kV S/C Line 9L966	May 31, 2013
					15	Pemukan 932S - Monitor 774S 144kV S/C Line 7L127 (Formerly P1013)	Jan 24, 2011	Mar 15, 2012	\$14,311,000	\$13,498,000	15	Pemukan 932S - Monitor 774S 144kV S/C Line 7L127	May 31, 2013
					16	Relocate 7L79 line from Monitor 774S - Pemukan 932S (Formerly P1015)	Jan 24, 2011	Mar 15, 2012	\$10,259,000	\$9,676,000	16	Relocate 7L79 line from Monitor 774S - Pemukan 932S	Sep 30, 2012
					17	Heatburg 948S - Three Hills-Nevis 144kV D/C Line 7L16/7L159 (Formerly P1021)	Feb 10, 2012	May 10, 2012	\$14,843,000	\$13,999,000	17	Heatburg 948S - Three Hills-Nevis 144kV D/C Line 7L16/7L159	Feb 28, 2013
					18	Rowley 768S - Michichi-Three Hills 144kV DC Line 7L25 (Formerly P1022)	Nov 15, 2010	May 17, 2011	Included in FA 13	Included in FA 13	18	Rowley 768S - Michichi-Three Hills 144kV DC Line 7L25	Apr 13, 2012
					19	Stettler 769S - Nevis 768S 144kV S/C Line 7L143 (Formerly P1023)	Jun 03, 2011	Dec 20, 2011	\$41,285,000	\$38,938,000	19	Stettler 769S - Nevis 768S 144kV S/C Line 7L143	May 31, 2013
					20	Nilrem 574S combined with D/C 240kV 953L -1047L and Tucuman 478S combined with D/C 138kV 679L-680L (Formerly P1024,P1025)	Nov 12, 2010	Nov 10, 2011	\$76,496,000	\$81,753,000	20	Nilrem 574S combined with D/C 240kV 953L -1047L and Tucuman 478S combined with D/C 138kV 679L-680L	Apr 13, 2012
					21	Hardisty 377S Substation Capacitor Bank (Formerly P1024,P1025)	Nov 29, 2010	May 03, 2011	Included in FA 20	Included in FA 20	21	Hardisty 377S Substation Capacitor Bank	Apr 13, 2012
					22	Hansman Lake 650S Substation Static VAR Compensator Addition (Formerly P1026,P1027)	Nov 29, 2010	Apr 27, 2011	\$82,356,000	\$82,830,000	22	Hansman Lake 650S Substation Static VAR Compensator Addition	Jun 29, 2012
					23	New 240 kV line 966L from Pemukan 932S -Hansman Lake 650S (Formerly P1026,P1027)	Dec 06, 2010	Feb 28, 2012	Included in FA 22	Included in FA 22	23	New 240 kV line 966L from Pemukan 932S -Hansman Lake 650S	Sep 30, 2012
					24	New 240kV line 1060L from Ware Junction 132S-West Brooks 28S (Formerly P1028)	Apr 05, 2011	Apr 20, 2012	\$78,657,000	\$77,267,000	24	New 240kV line 1060L from Ware Junction 132S-West Brooks 28S	Dec 14, 2012
813 - Red Deer Transmission Development	May 18, 2011	Sep 05, 2012	\$215,540,000	AltaLink	1	Red Deer Area Transmission Development Stage I - Brownfield	Sep 26, 2011	Oct 31, 2012	\$20,720,000	\$20,720,000	1	Red Deer Area Transmission Development Stage I - Brownfield	May 15, 2012
					2	Red Deer Area Transmission Development Stage I - Rebuilds	Jun 13, 2012	Jul 19, 2013	Future	Future	2	Red Deer Area Transmission Development Stage I - Rebuilds	Mar 24, 2014
					3	Red Deer Area Transmission Development Stage I - New Builds	May 31, 2012	May 07, 2013	Future	Future	3	Red Deer Area Transmission Development Stage I - New Builds	Jun 16, 2014
					4	Red Deer Area Transmission Development Stage I - 80L Salvage	May 30, 2013	Aug 30, 2013	Future	Future	4	Red Deer Area Transmission Development Stage I - 80L Salvage	Dec 19, 2014
					5	Red Deer Area Transmission Development Stage I - 716L Salvage	May 30, 2013	Aug 30, 2013	Future	Future	5	Red Deer Area Transmission Development Stage I - 716L Salvage	Dec 19, 2014
					6	Red Deer Area Transmission Development Stage II	Aug 19, 2016	Mar 03, 2017	Future	Future	6	Red Deer Area Transmission Development Stage II	Dec 08, 2017
817 - North Central Region Transmission Development	Jul 08, 2009	May 06, 2010	\$50,762,000	ATCO	1	2x 25kV Breaker addition at Fieldgate	Sep 10, 2009	May 06, 2010	\$1,196,000	\$1,196,000	1	Fieldgate Breakers	Aug 19, 2010
					2	Slave Lake 72 kV Upgrade	Jul 28, 2011	Oct 24, 2011	\$4,435,000	\$4,018,000	2	Slave Lake 72 kV System Upgrade	Mar 23, 2012
					3	High Prairie to Triangle 144 kV Line Upgrade	Feb 01, 2012	Jul 27, 2012	\$36,660,000	\$33,559,000	3	High Prairie to Triangle 144 kV Line Upgrade	Dec 01, 2013
					4	Ottawau to Mitsue 144 kV Line Upgrade	Jan 03, 2012	Jun 22, 2012	\$9,390,000	\$8,589,000	4	Ottawau to Mitsue 144 kV Line Upgrade	Jun 7, 2013
					5	Edith Lake to Sarah Lake 144 kV Line	Jan 06, 2012	Sep 21, 2012	\$18,530,000	\$16,948,000	5	Edith Lake to Sarah Lake 144 kV Line	Jun 14, 2013
					6	526L/515L Connect - Judy Creek Salvage	Jan 23, 2012	Feb 06, 2012	Future	Future	6	526L/515L Connect - Judy Creek Salvage	Jul 12, 2012
834 - Livock 240/144kV Reinforcement Project	Sep 13, 2010	May 02, 2011	\$25,117,000	ATCO	1	All Project Facilities	Sep 27, 2010	May 02, 2011	\$23,027,000	\$23,496,000	1	240 kV Line Tap	Jun 01, 2012
											2	Livock 240/144 kV	Jun 01, 2012
											3	Livock/Germain	Jun 01, 2012
838 - Fort McMurray Area Transmission Bulk System Reinforcement	CTI	Dec 09, 2009	CTI - Competitive Procurement	TBD	1	Fort McMurray Area Bulk System Development Stage 1-Phase 1 (Formerly P1010)	TBD	TBD	Future	Future	1	All Phase 1 Equipment	Mar 31, 2017
				TBD	2	Fort McMurray Area Bulk System Development Stage 2-Phase 1 (Formerly P1012)	TBD	TBD	Future	Future	2	All Phase 2 Equipment	Mar 31, 2019
				TBD	3	Fort McMurray Area Bulk System Development Stage 3-Phase 1 (Formerly P1014)	TBD	TBD	Future	Future	3	All Phase 3 Equipment	Mar 31, 2021
878 - Athabasca Area Telecommunication Upgrade	Sep 27, 2010	Nov 14, 2011	\$17,884,000	AltaLink	1	All Facilities	Dec 20, 2010	Feb 01, 2012	\$20,086,000	\$20,086,000	1	All Project Equipment	Dec 03, 2012
922 - ENMAX No. 65 Substation	CTI	Dec 09, 2009	CTI	ENMAX	1	New 240/138 kV Substation	Dec 17, 2010	Nov 03, 2011	\$31,138,000	\$31,138,000	1	ENMAX No.65 138/240 kV Substation	Jul 03, 2013
				AltaLink	2	ENMAX No. 65 I/C to 911L	Feb 16, 2011	Dec 30, 2011	\$6,903,000	\$6,903,000	2	Interconnection of Enmax No. 65 SS to 911L	Jul 03, 2013
936 - Pincher Creek Area 240/138 kV Transmission Development	Jun 16, 2010	May 18, 2012	\$39,420,000	AltaLink	1	All Project Facilities	Oct 20, 2010	May 23, 2012	\$36,816,000	\$37,046,000	1	All Project Equipment	Apr 23, 2013

AESO Transmission System Projects - Quarterly Report - Q4 2011

- see notes at the end of this document for report terminology and definitions
 - data in report is current as of January 26th, 2012



Project Name and Number	Need Application Filing	Need Application Approval	Need Application Estimated Cost ³	TFO	Facility Application Number	Facility Application Name	Facility Application Filing	Facility Application Approval	Proposal To Provide Service Estimated Cost	Authorized Budget	Energization Number	Energization Name	Forecast In-Service Date
1092 - North East Voltage Support	Dec 17, 2010	Jul 24, 2011	\$18,661,000	ATCO	1	Dover 240kV Capacitor Bank	Jan 11, 2011	Jul 28, 2011	\$6,966,000	\$6,477,000	1	Dover 240kV Capacitor Bank	Apr 30, 2012
					2	Whitefish 240kV Capacitor Bank	Jan 11, 2011	Jul 28, 2011	\$6,083,000	\$6,019,000	2	Whitefish 240kV Capacitor Bank	Mar 30, 2012
					3	Leismer 138kV Capacitor Bank	Jan 20, 2011	Jul 28, 2011	\$5,188,000	\$5,188,000	3	Leismer 138kV Capacitor Bank	May 01, 2012
1101 - Christina Lake Area Development	Oct 21, 2011	Jun 14, 2012	\$406,606,000	AltaLink	1	CHL1 Black Spruce 154S	Jun 21, 2012	Jan 17, 2013	Future	Future	1	CHL1 Black Spruce 154S	Jun 27, 2013
					2	Black Spruce 154S to Pike 170S	Oct 15, 2012	May 07, 2013	Future	Future	2	Black Spruce 154S to Pike 170S	Mar 14, 2014
					3	Pike 170S to Ipiatik Lake 167S	Sep 12, 2012	May 22, 2013	Future	Future	3	Pike 170S to Ipiatik Lake 167S	Feb 11, 2015
					4	ATCO Heart Lake 898S	Oct 15, 2012	Jun 24, 2013	Future	Future	4	ATCO Heart Lake 898S	Mar 16, 2015
1180 - NW Ft McMurray Transmission Development	Nov 10, 2011	Jul 19, 2012	\$336,292,000	ATCO	1	Birchwood Creek	Sep 05, 2012	Feb 20, 2013	Future	Future	1	Birchwood Creek	Feb 03, 2014
					2	Ells River Sub/Transmission	Oct 17, 2012	May 01, 2013	Future	Future	2	Ells River Sub	Mar 05, 2014
					3	Ells River to Birchwood Creek 240 kV Loop	Oct 17, 2012	May 01, 2013	Future	Future	3	240 kV Loop	Apr 01, 2015

Report Notes:

1. This report includes any System projects that have had a Need Application filed with the AUC. Projects will no longer appear on this report once all Energizations for the Project are in service.
2. Dates in this report show both forecast and actual. Dates that are prior to the report date are actuals. Dates that are post the report date are forecast.

Column Explanations:

1. Project Name and Number: This is the AESO designation for all of the project work that falls under a system study. This will include the Need Application, Facility Application, and Energizations.
2. Need Application Filing: This is the date a Need Identification Document (NID) has been submitted to the AUC for approval as per the requirement of Section 34(1) of the Act.
3. Need Application Approval: This is the date the NID is approved by the AUC.
4. Need Application Estimated Cost: All values include AFUDC and are based on NID ISD\$. Numbers presented with an * have calculated escalation values as escalation \$'s were not included in the NID.
5. TFO: This is the Transmission Facility Owner(s) (TFO) who file the Facility Applications, and are responsible for the estimates, schedule, construction and costs for the project.
6. Facility Application Number: This is used to identify individual Facility Application Filings within the project.
7. Facility Application Name: This is the name of the TFO's Facility Application Filing (sometimes called Permit and License application) that has been registered with the AUC. There may be multiple Facility Applications associated with a Project.
8. Facility Application Filing: This is the date the Facility Application was registered with the AUC.
9. Facility Application Approval: This is the date the Facility Application is approved by the AUC.
10. Proposal To Provide Service Estimated Cost: This is the +20 / -10% estimate that is provided to the AESO by the TFO in the Proposal To Provide Service, in support of the Facility Application.
11. Authorized Budget: This is the amount of the Proposal To Provide Service Estimated Cost, plus or minus any Authorized Changes from TFO that have been approved by the AESO.
12. Energization Number: This is used to identify individual energizations within the project.
13. Energization Name: This is the identifier within the Facility Application of the energization dates of various pieces of equipment. There may be multiple Energizations associated with a Facility Application.
14. Forecast In-Service Date: This is the most recent information the TFO has provided on the expected In Service Date of the equipment within the Energization.