

# AESO Transmission System Projects - Quarterly Report - Q1 2011

- see notes at the end of this document for report terminology and definitions  
 - data in report is current as of April 27, 2011



Project Name and Number	Description	Need Application Filing	Need Application Approval	Need Application Estimated Cost <sup>3</sup>	TFO	Facility Application No	Facility Application Name	Facility Application Filing	Facility Application Approval	Facility Application Estimated Cost <sup>3</sup>	Forecast Final Cost	Energization Number	Energization Name	Forecast In-Service Date																																																
535 - North West Transmission Development	North West Transmission Development	Mar 6, 2006	Aug 17, 2006	\$262,500,000	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	\$184,861,000	1	Bkr 701	Sep 3, 2009																																																
												2	902T, 903, 503	Dec 19, 2009																																																
												3	902	Feb 3, 2010																																																
												4	909, 909R	Dec 18, 2009																																																
												5	9L15	Dec 18, 2009																																																
												6	901, 901T	Mar 19, 2010																																																
												7	904	Mar 5, 2010																																																
												8	7L131/7L106 144kv D/C line Wesley Creek to Meikle 905S & CTs P599 (Formerly P599)	Jul 29, 2008	Dec 19, 2008	\$193,189,000	\$114,893,000	8	7L131/7L106 144kv D/C line Wesley Creek to Meikle 905S & CTs	Sep 29, 2010																																										
						3	7L133-144 kv S/C line Sulphur Point 828S to High Level 786S P600 (Formerly P600)	May 19, 2009	Sep 11, 2009	\$77,558,000	\$29,547,000	9	7L133-144 kv S/C line Sulphur Point 828S to High Level 786S	Mar 19, 2011																																																
															4	High Level 786S +/- 30 MVAR SVC (Formerly P601)	Apr 14, 2009	Sep 1, 2009	\$12,298,000	\$11,061,000	10	High Level 786S +/- 30 MVAR SVC	Jun 30, 2010																																							
																								5	7L113-144kv S/C line Ring Creek 853S to New Arcenciel 930S (Formerly P602,P604)	Jun 30, 2010	Dec 2,2010	\$121,246,000	\$90,000,000	11	New Arcenciel station and cap bank	Sep 1, 2011																														
																																	12	Ring Creek to Arcenciel 144 kV Line 7L113	Apr 30, 2012																											
																																				6	Arcenciel 930S -30 +50 MVAR synch cond (Formerly P603)	Jul 15,2011	Nov 15,2011	Future	Future	13	Arcenciel 930S -30 +50 MVAR synch cond	Nov 1, 2012																		
																																													7	Arcenciel 930S +/- 30 MVAR SVC P605 (Formerly P605)	Jun 30, 2010	Jan 13, 2011	\$12,050,000	\$12,050,000	14	Arcenciel 930S +/- 30 MVAR SVC	Sep 1, 2011									
																																																						8	Little Smoky 813S-install +/-100MVAR SVC & 2-144kV breakers (Formerly P606)	Jun 29, 2009	Jun 29, 2009	\$21,554,000	\$20,765,000	15	Bkrs 717 and 718	Sep 3, 2009

536 - South East Transmission Reinforcement	System reinforcement at Lethbridge, Brooks and Empress	Sep 27, 2007	Jul 11, 2008	\$74,500,000	Lethbridge	1	City of Lethbridge	Mar 15, 2009	Jan 22, 2010	\$14,275,000	\$14,719,000	1	All Phase 1 Lethbridge Equipment	May 14, 2010																																																
															AltaLink	2	AML North Lethbridge	Feb 24, 2009	Nov 6, 2009	\$26,577,000	\$24,229,000	2	All Phase 1 AltaLink Equipment	May 28, 2010																																						
																									3	Brooks Area Transmission Development	Dec 18, 2008	Mar 17, 2009	3	Brooks Area Transmission Development	Sep 30, 2010																															
																																4	Brooks New Transformers	Dec 18, 2008	Mar 17, 2009	4	Brooks New Transformers	Nov 22, 2009																								
																																							5	New 138kV line 666L	May 8, 2009	Nov 19, 2009	5	New 138kV line 666L	Oct 31, 2011																	
																																														6	Brooks 240kV Line Upgrades	Mar 20, 2009	Apr 22, 2009	6	Brooks 240kV Line Upgrades	Nov 30, 2011										
																																																					7	New 27MVar Cap Bank at Tilley 498S	Mar 20, 2009	Apr 23, 2009	\$2,349,000	\$1,927,000	7	New 27MVar Cap Bank at Tilley 498S	Mar 22, 2010	
																																																														8
															9	New Cypress Substation 562S	Apr 28, 2009	Dec 23, 2008	\$46,534,000	\$48,649,000	9	New Cypress Substation 562S	Mar 5, 2010																																							
																								10	Jenner 240kV Diameter Addition	Dec 12, 2008	Mar 2, 2009	10	Jenner 240kV Diameter Addition	Oct 23, 2009																																
																															11	Cypress 669L	Dec 23, 2008	Apr 28, 2009	11	Cypress 669L	Feb 25, 2010																									
																																						12	Cypress 658L/668L	Dec 23, 2008	Apr 28, 2009	12	Cypress 658L/668L	Feb 25, 2010																		
																																													13	Cypress 830L	Apr 28, 2009	Dec 23, 2008	13	Cypress 830L	Apr 11, 2010											
																																																				14	975L, 1011L	Dec 23, 2008	Apr 28, 2009	14	975L, 1011L	Jan 27, 2010				
																																																											15	Jenner 951L,1002L Line in and out	Dec 12, 2008	Mar 2, 2009
															16	Amoco Empress Thermal Upgrades	Dec 12, 2008	Mar 2, 2009	16	Amoco Empress Thermal Upgrades	Oct 30, 2009																																									
																						17	Jenner Thermal Upgrades	Dec 12, 2008	Mar 2, 2009	17	Jenner Thermal Upgrades	Sep 30, 2009																																		
																													ATCO	18	McNeil 840S Cap Bank	Aug 4, 2009	Dec 1, 2009	\$2,324,000	\$2,142,000	18	McNeil 840S Cap Bank																									

626 - ENMAX South 69kV Conversion	Original P626 for NID and Phase I	Apr 9, 2009	Jul 13, 2011	\$22,242,000	ENMAX	1	Enmax South 69kV Stage 1	Apr 16, 2009	Jan 13, 2012	\$11,320,000	\$10,476,000	1	Enmax South 69kV Stage 1	Jul 19, 2013									
															2	Enmax South 69kV Stage 2	Mar 30, 2010	Jan 13, 2012	\$4,906,000	\$4,817,000	2	Enmax South 69kV Stage 2	Aug 17, 2012

629 - Alberta Industrial Heartland Bulk Transmission Development	The project includes a new Heartland 12S substation, a new 500 kV double circuit line from Ellerslie 89S to Heartland 12S and connecting to a new 240 kV double circuit line from Heartland 12S into 942L and 943L 240 kV lines.	CTI	Dec 9, 2009	CTI	AltaLink & EPCOR	1	500kV 1206L/1212L (Formerly P629)	Sep 27, 2010	Jul 30, 2011	\$579,613,000	\$569,885,000	1	1206L/1212L	Mar 30, 2013

664 - Calgary Business District	Calgary Business District 138 kV Cable Replacement	Aug 10, 2009	Feb 12, 2010	\$62,369,000	ENMAX	1	All Project Facilities	Sep 10, 2009	Feb 12, 2010	\$62,369,000	\$65,301,000	1	1.82L and 1.84L	Dec 17, 2010

671 - Yellowhead Area Transmission Development	Yellowhead Area Transmission Development - all NID work completed under P671	Jun 9, 2009	May 12, 2010	\$87,762,000	AltaLink	1	Hinton/Edson Area Transmission (Formerly P909)	Aug 5, 2010	May 9, 2011	\$51,364,000	\$51,364,000	1	Hinton/Edson Area Transmission	Mar 26, 2012																		
															2	Cold Creek 602S 138kV, 27 MVAR Capacitor Bank (Formerly P910)	Jul 8, 2010	Aug 16, 2010	\$2,254,000	\$2,101,000	2	Cold Creek 602S 138kV, 27 MVAR Capacitor Bank	Dec 20, 2010									
																								3	Cherhill Substation and 240kV Interconnection (Formerly P911)	Jul 26, 2010	May 13, 2011	\$30,500,000	\$30,500,000	3	Cherhill Substation and 240kV Interconnection	Dec 8, 2011

673 - Ft McMurray Area 144 kV Reinforcement	Salt Creek 240/144 kV Substation and Interconnection to 9L990. 144 kV to Hangingstone	Jul 29, 2010	Apr 14, 2011	\$39,000,000	ATCO	1	All facilities	Aug 3, 2010	Apr 14, 2011	\$31,537,000	\$31,537,000	1	All Project Equipment	Apr 1, 2012
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Project Name and Number	Description	Need Application Filing	Need Application Approval	Need Application Estimated Cost <sup>3</sup>	TFO	Facility Application No	Facility Application Name	Facility Application Filing	Facility Application Approval	Facility Application Estimated Cost <sup>3</sup>	Forecast Final Cost	Energization Number	Energization Name	Forecast In-Service Date
737 - North South Transmission Reinforcement	Construction of two 500kV HVDC transmission lines. Initial development will be two monopoles with at least 1000 MW transfer capacity each.	CTI	Dec 9, 2009	CTI	ATCO & AltaLink & EPCOR	1	Facility Application - ATCO (Currently know to TFO as P961)	ATCO: March 29, 2011 AltaLink: Not yet EPCOR: March 30, 2011	Jan 31, 2012	\$1,638,230,000	Future	1	All ATCO/AltaLink/EPCOR Equipment	Mid to Late 2014
						2	Facility Application - AltaLink (Currently known to TFO as P962)	AltaLink: March 1, 2011 EPCOR: March 1, 2011 (AML Filed on behalf of EPCOR)	Jan 31, 2012	\$1,420,185,655	Future	2	All AltaLink/EPCOR Equipment	Mid to Late 2014
786 - Edmonton Region 240kV Line Upgrades	Upgrade 240kV transmission lines in Edmonton area; add one 240kV phase shifter at Dover substation	Aug. 26, 2008	Feb 24, 2009	\$125,410,000	AltaLink	1	AML Keephills Substation Addition (Formerly P953)	Nov 6, 2009	Mar 19, 2010	\$101,345,000	\$116,934,000	1	Keephills substation addition	Jul 31, 2010
						2	Rebuild 240kV 904L	Jul 28, 2010	Mar 30, 2011			2	12km new 904L (renumbered as 1043L)	Mar 1, 2012
						4	AML 902L Restring & 909L Retermination (Formerly P1057)	Mar 30, 2011	Aug 30, 2011			11	50km of rebuild 904L (1043L)	Mar 1, 2012
						5	AML 908L, 909L Restring (Formerly P1058)	Sep 13, 2009	Feb 10, 2010			4	902L restring	Mar 30, 2012
						6	Epoch Jasper, Petrolia (Formerly P955)	Apr 15, 2010	Jun 16, 2010			5	909L re-terminate back to Sundance	Jan 22, 2012
						3	1044EL, 1045EL (Formerly P955)	Oct 15, 2010	Mar 30, 2011			6	1045 restring, renumber line 1044L, 1044EL, 1045EL	Feb 10, 2011
						7	ATCO Phase Shifter (Formerly P957)	Sep 14, 2009	Mar 25, 2010			7	909L Restring	Feb 10, 2011
						8	TransAlta 902L, 1043L (Formerly P959)	Jun 30, 2010	Jan 27, 2011			8	Jasper, Petrolia, 1044EL, 1045EL restring, line number change to 1055L, 1055EL, 1056L	Jun 30, 2011
787 - Southern Alberta Transmission Reinforcement	Re-enforcement of transmission system in Southern Alberta	Dec 30, 2008	Sep 17, 2009	\$1,826,400,000	AltaLink	1	911L Line Replacement (Formerly P882)	Jun 8, 2011	Jul 5, 2012	Future	Future	1	911L	Jun 30, 2014
						2	Milo Junction Switching Station (Formerly P883)	Dec 21, 2009	Aug 5, 2010	\$29,700,000	\$29,700,000	2	New Milo Junction	May 10, 2011
						3	PST Addition at Russell 632S (Formerly P884)	Aug 27, 2010	Jan 12, 2011	\$17,207,000	\$17,207,000	3	Russell PST	Sep 30, 2011
						4	Cassils to East Medicine Hat (Formerly P886)	Jul 27, 2010	Aug 3, 2011	\$407,900,000	\$407,900,000	4	Cassils to Medicine Hat	Mar 25, 2014
						5	East Med Hat to Whitla 240kV Transmission Line (Formerly P887)	Jul 27, 2010	Aug 3, 2011	\$352,800,000	\$352,800,000	5	East Med Hat to Whitla 240kV Transmission Line	Mar 31, 2014
						6	Med Hat Area 138kV Line Development (Formerly P888)	Aug 5, 2011	Jun 8, 2012	Future	\$9,827,000	6	Med Hat Area 138kV Line Development	May 30, 2014
						7	Chapel Rock Sub and 240kV line to Fidler (Formerly P1034)	Oct 14, 2011	Nov 9, 2012	Future	Future	7	Chapel Rock Sub and 240kV line to Fidler	May 20, 2014
						8	Etzikom Culee S/S and 240kV line to MATL S/S (Formerly P1035)	Mar 25, 2013	Dec 2, 2013	Future	Future	8	Sub C and 240kV line to MATL S/S	Jun 30, 2014
						9	Goose Lake S/S to Etzikom Culee S/S 240kV Line (Formerly P1036)	Aug 2, 2012	Aug 29, 2013	Future	Future	9	Goose Lake S/S to Sub C 240kV Line	Dec 31, 2016
						10	Etzikom Culee S/S to Whitla 240kV Line (Formerly P1037)	Feb 24, 2012	Mar 22, 2013	Future	Future	10	Sub C to Whitla 240kV Line	Jun 30, 2014
						11	Blackie Area 138kV Upgrade (Formerly P1038)	Aug 25, 2011	May 3, 2012	Future	Future	11	Blackie Area 138kV Upgrade	Jun 30, 2014
						12	Cypress Substation SVC (Formerly P1039)	Sep 22, 2011	May 31, 2012	Future	Future	12	Cypress Substation SVC	Sep 30, 2013
						13	Ware Junction Substation Upgrade (Formerly P1040)	Mar 25, 2011	Sep 9, 2011	\$6,134,000	\$6,134,000	13	Ware Junction Substation Upgrade	Dec 14, 2012
791 - North Ft McMurray Transmission Development	North Ft McMurray Transmission Development	Aug 12, 2010	May 15, 2011	\$237,440,000	ATCO	1	North Fort McMurray 240 kV Transmission Development	Sep 10, 2010	May 15, 2011	\$237,440,000	\$209,442,000	1	McLelland to Black Fly	Apr 1, 2012
811 - Central East Area Transmission Development	Transmission Development in Wainwright, Lloydminster, Provost, Vegreville, Alliance/Battle River and Cold Lake	May 17, 2010	Feb 21, 2011	\$370,000,000	ATCO	1	Cold Lake Area Reinforcements	May 1, 2012	Dec 31, 2012	Future	Future	1	Cold Lake Area Reinforcements	Aug 31, 2013
						2	St. Paul Area Upgrades	May 1, 2012	Dec 31, 2012	Future	Future	2	St. Paul Area Upgrades	Oct 31, 2013
						3	Vermillion 710S Substation Upgrade	Jul 1, 2012	Apr 30, 2012	Future	Future	3	Vermillion 710S Substation Upgrade	Oct 31, 2012
						4	Heisler & Kitscoty Area Upgrades	May 1, 2012	Dec 31, 2012	Future	Future	4	Heisler & Kitscoty Area Upgrades	Jul 31, 2013
						5	7L749 Replacement	Jul 1, 2012	Apr 30, 2012	Future	Future	5	7L749 Replacement	Nov 30, 2013
						6	Double Circuit Line Clearance Mitigations (Letter of Enquiry)	Oct 1, 2011	Nov 30, 2011	Future	Future	6	Doubl Circuit Line Clearance Mitigations	Dec 31, 2012
						7	Provost & Wainwright Area Upgrades	Jun 15, 2012	Apr 15, 2013	Future	Future	7	Provost & Wainwright Area Upgrades	June 15, 2013 to June 15, 2015
						8	7L50 Rebuild & Cold Lake Reinforcement	TBD	TBD	Future	Future	8	7L50 Rebuild & Cold Lake Reinforcement	Dec 01, 2017
812 - Hanna Region Transmission Development	Transmission development in Hanna, Sheerness and Battle River	Aug 14, 2009	Aug 14, 2009	\$848,749,000	ATCO	1	Youngstown 772S Capacitor bank addition (Formerly P977)	Aug 9, 2010	Nov 15, 2010	\$6,289,000		1	Youngstone 772S Capacitor bank addition	Oct 7, 2011
						2	Battle River 757S Capacitor Bank addition (Formerly P978)	Aug 9, 2010	Aug 27, 2010	\$3,002,000		2	Battle River 757S Capacitor Bank addition	Aug 31, 2011
						3	New Lanfine 240/144kV substation (Formerly P979)	Dec 21, 2010	Nov 30, 2011	\$38,745,000		3	New Lanfine 240/144kV substation	Sep 30, 2012
						4	Lanfine 959S 200MVAr SVC (Formerly P980)	Dec 21, 2011	Nov 30, 2011	\$39,360,000		4	Lanfine 959S 200MVAr SVC	Sep 30, 2012
						5	Lanfine-Oyen 144kV S/C Line 7L132 (Formerly P982)	Mar 3, 2011	Nov 30, 2011	\$15,623,000		5	Lanfine-Oyen 144kV S/C Line 7L132	Sep 30, 2012
						6	Relocate 7L98 Oyen 767S - Lanfine 959S (Formerly P995)	Mar 21, 2011	Nov 30, 2011	\$12,770,000		6	Relocate 7L98 Oyen 767S - Lanfine 959S	Sep 30, 2012
						7	Oakland 946S 240kV S/S combined with Anderson-Oakland line (Formerly P996)	Mar 21, 2011	Nov 30, 2011	\$45,467,000		7	Oakland 946S 240kV S/S combined with Anderson-Oakland line	Sep 30, 2012

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						8	Oakland-Lanfine 240kV S/C Line 9L924 (Formerly P998)	Dec 21, 2010	Nov 30, 2011	\$119,927,000	\$704,302,000	8	Oakland-Lanfine 240kV S/C Line 9L924	Sep 30, 2012							
						9	Coyote Lake 963S 240kV S/S combined with Oakland-Coyote line (Formerly P999)	Feb 7, 2011	Nov 30, 2011	\$77,799,000		9	Coyote Lake 963S 240kV S/S combined with Oakland-Coyote line	Mar 31, 2013							
						10	Coyote Lake 963S - Michichi Creek 802S 144kV SC Line 7L128 (Formerly P1000)	Apr 8, 2011	Nov 30, 2011	\$39,251,000		10	Coyote Lake 963S - Michichi Creek 802S 144kV SC Line 7L128	Mar 31, 2013							
						11	Pemukan 932S 240 kV Substation (Formerly P1001)	Jan 24, 2010	Nov 30, 2011	\$32,490,000		11	Pemukan 932S 240 kV Substation	Sep 30, 2012							
						12	New Lanfine-Pemukan 240kV S/C Line 9L46 (Formerly P1003)	Mar 3, 2011	Nov 30, 2011	\$97,239,000		12	New Lanfine-Pemukan 240kV S/C Line 9L46	Mar 31, 2013							
						13	144 kV Capacitor Bank and Circuit Breaker Additions at Three Hills Substation 770S	Oct 8, 2010	Dec 23, 2011	Included in FA 18		13	144 kV Capacitor Bank and Circuit Breaker Additions at Three Hills Substation 770S	Dec 31, 2011							
						14	Hansman Lake - Pemukan 240kV S/C Line 9L966 (Formerly P1011)	Jan 24, 2010	Nov 30, 2011	\$67,685,000		14	Hansman Lake - Pemukan 240kV S/C Line 9L966	Sep 30, 2012							
						15	Pemukan 932S - Monitor 774S 144kV S/C Line 7L127 (Formerly P1013)	Jan 24, 2011	Nov 30, 2011	\$14,311,000		15	Pemukan 932S - Monitor 774S 144kV S/C Line 7L127	Sep 30, 2012							
						16	Relocate 7L79 line from Monitor 774S - Pemukan 932S (Formerly P1015)	Jan 24, 2011	Nov 30, 2011	\$10,259,000		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)	Apr 30, 2011	Jul 1, 2011	\$14,843,000		17	Heatburg 948S - Three Hills-Nevis 144kV D/C Line 7L16/7L159	Jun 15, 2012							
						18	Rowley 768S - Michichi-Three Hills 144kV DC Line 7L25 (Formerly P1022)	Nov 22, 2011	May 31, 2011	\$27,037,000		18	Rowley 768S - Michichi-Three Hills 144kV DC Line 7L25	Dec 31, 2011							
						19	Stettler 769S - Nevis 768S 144kV S/C Line 7L143 (Formerly P1023)	Apr 30, 2011	Jan 15, 2012	\$41,285,000		19	Stettler 769S - Nevis 768S 144kV S/C Line 7L143	Mar 31, 2013							
						AltaLink							20	Nilrem 574S combined with D/C 240kV 953L -1047L and Tucuman 478S combined with D/C 138kV 679L-680L (Formerly P1024,P1025)	Nov 15, 2010	Sep 30, 2011	\$76,496,000	\$243,138,000	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	Nov 29, 2010	Sep 16, 2011			21	Hardisty 377S Substation Capacitor Bank	
													22	Hansman Lake 650S Substation Static VAR Compensator Addition (Formerly P1026,P1027)	Nov 29, 2010	Sep 30, 2011	\$82,356,000		22	Hansman Lake 650S Substation Static VAR Compensator Addition	Sep 30, 2012
													23	New 240 kV line 966L from Pemukan 932S - Hansman Lake 650S (Formerly P1026,P1027)	Dec 6, 2010	Sep 30, 2011			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 5, 2011	Apr 20, 2012	\$78,657,000		24	New 240kV line 1060L from Ware Junction 132S-West Brooks 28S	Dec 14, 2012
						817 - North Central Region Transmission Development	Transmission System Upgrade in North Central Area.	Jul 8, 2009	May 6, 2010	\$51,760,000		ATCO	1	2x 25kV Breaker addition at Fieldgate	Sep 10, 2009	May 6, 2010	\$1,196,000	\$837,000	1	Fieldgate Breakers	Aug 19, 2010
													2	Slave Lake 72 kV Upgrade	May 24, 2011	Sep 14, 2011	\$4,435,000	\$4,435,000	2	Slave Lake 72 kV System Upgrade	Mar 23, 2012
3	High Prairie to Triangle 144 kV Line Upgrade	Sep 2, 2011	May 10, 2012	\$36,660,000	\$36,660,000						3		High Prairie to Triangle 144 kV Line Upgrade	Mar 15, 2013							
4	Ottawau to Mitsue 144 kV Line Upgrade	Nov 11, 2011	Jun 22, 2012	\$9,390,000	\$9,390,000						4		Ottawau to Mitsue 144 kV Line Upgrade	Jun 7, 2013							
5	Edith Lake to Sarah Lake 144 kV Line	Nov 25, 2011	Aug 10, 2012	\$18,530,000	\$18,530,000						5		Edith Lake to Sarah Lake 144 kV Line	Jun 14, 2013							
834 - Livock 240/144kV Reinforcement Project	New 240 kV station in 9L57 to feed Laricina customers	Sep 10, 2010	May 16, 2011	\$25,117,000	ATCO	1	All Project Facilities	Sep 27, 2010	May 16, 2011	\$25,117,000	\$25,117,000	1	All Project Equipment	Apr 1, 2012							
838 - Fort McMurray Area Transmission Bulk System Reinforcement	Construction of 500kV transmission lines from Edmonton area to Fort McMurray area. Depending on the length of competitive procurement, regulatory and construction processes, the 1st 500kV line for Fort Mac project could be in service between 2015 and 2017.	CTI	Dec 9, 2009	CTI - Competitive Procurement	TBD	1	Fort McMurray Area Bulk System Development Stage 1-Phase 1 (Formerly P1010)	TBD	TBD	TBD	Future	1	All Phase 1 Equipment	2015 - 2017							
						2	Fort McMurray Area Bulk System Development Stage 2-Phase 1 (Formerly P1012)	TBD	TBD	TBD	Future	2	All Phase 2 Equipment	2017 - 2019							
						3	Fort McMurray Area Bulk System Development Stage 3-Phase 1 (Formerly P1014)	TBD	TBD	TBD	Future	3	All Phase 3 Equipment	TBD							
878 - Athabasca Area Telecommunication Upgrade	Athabasca Area Telecommunication Upgrade	Sep 24, 2010	Jun 20, 2011	\$17,883,000	AltaLink	1	All Project Facilities	Dec 17, 2010	Jun 20, 2011	\$20,086,000	\$20,086,000	1	All Project Equipment	Dec 1, 2011							
922 - ENMAX No. 65 Substation	New 240kV / 13k kV substation in south Calgary and associated transmission facilities	CTI	Dec 9, 2009	CTI	ENMAX	1	New 240/138 kV Substation	Dec 16, 2010	Sep 23, 2011	\$31,138,000	Future	1	ENMAX No.65 138/240 kV Substation	Dec 14, 2012							
						AltaLink	2	ENMAX No. 65 I/C to 911L	Feb 16, 2011	Sep 23, 2011	\$6,903,000	Future	2	Interconnection of Enmax No. 65 SS to 911L	Dec 14, 2012						
936 - Pincher Creek Area 240/138 kV Transmission Development	Fidler 312S - 240/138 kV Substation Interconnection	Jun 16, 2010	Sep 13, 2011	\$39,420,000	AltaLink	1	All Project Facilities	Oct 15, 2010	Sep 18, 2011	\$36,816,000	\$36,816,000	1	All Project Equipment	Mar 16, 2012							
943 - 9L66 240kV Line Relocation	Relocate 9L66	Sep 17, 2009	Apr 23, 2010	\$1,195,000	ATCO	1	All Project Facilities	Sep 25, 2009	Apr 23, 2010	\$1,195,000	\$1,195,000	1	All Project Equipment	Apr 15, 2011							
947 - Long Range Airdrie Area System Development	New 240 kV POD in Airdrie Area.	May 27, 2011	Feb 3, 2012	\$36,845,000	AltaLink	1	All Project Facilities	May 30, 2011	Feb 6, 2012	Future	Future	1	All Project Equipment	Oct 22, 2012							
1092 - North East Voltage Support	Add 240kV and 138kV cap banks in NE region	Dec 17, 2010	Jun 30, 2011	\$19,000,000	ATCO	1	Dover 240kV Capacitor Bank	Jan 11, 2011	Jun 30, 2011	\$6,966,000	\$6,966,000	1	Dover 240kV Capacitor Bank	Apr 30, 2012							
						AltaLink	2	Whitefish 240kV Capacitor Bank	Jan 11, 2011	Jun 30, 2011	\$6,084,000	\$6,084,000	2	Whitefish 240kV Capacitor Bank	Mar 30, 2012						
						3	Leismer 138kV Capacitor Bank	Jan 20, 2011	Jun 30, 2011	\$5,188,000	\$5,188,000	3	Leismer 138kV Capacitor Bank	Dec 31, 2011							

## 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.
3. Estimate numbers in this report are being reviewed to ensure consistency in the way estimates are reported across projects. There may be changes when the next report is issued.

# AESO Transmission System Projects - Quarterly Report - Q1 2011

- see notes at the end of this document for report terminology and definitions  
 - data in report is current as of April 27, 2011



Project Name and Number	Description	Need Application Filing	Need Application Approval	Need Application Estimated Cost <sup>3</sup>	TFO	Facility Application No	Facility Application Name	Facility Application Filing	Facility Application Approval	Facility Application Estimated Cost <sup>3</sup>	Forecast Final Cost	Energization Number	Energization Name	Forecast In-Service Date
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**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. Description: A description of the work being done in the project.
3. 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.
4. Need Application Approval: This is the date the NID is approved by the AUC.
6. Need Application Estimated Cost: This is the +/- 30% or better estimate that is included in the Need Application to the AUC.
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.
7. Facility Application No: This is used to identify individual Facility Application Filings within the project.
8. 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.
9. Facility Application Filing: This is the date the Facility Application was registered with the AUC.
10. Facility Application Approval: This is the date the Facility Application is approved by the AUC.
11. Facility Application Estimated Cost: This is the +20 / -10% (or better) estimate that is provided to the AESO in support of the Facility Application to the AUC.
12. Forecast Final Cost: This is either the +20 / -10% (or better) estimate provided in the monthly reports from the TFO (if monthly reporting has commenced), or the final cost if received.
13. Energization No: This is used to identify individual energizations within the project.
14. 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.
15. 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.