

# AESO Transmission System Projects - Quarterly Report - Q2 2011

- see notes at the end of this document for report terminology and definitions  
 - data in report is current as of July 11, 2011



Project Name and Number	Need Application Filing	Need Application Approval	Need Application Estimated Cost <sup>3</sup>	TFO	Facility Application Number	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	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	\$184,861,000	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	Mar 05, 2010		
											8	7L131/7L106 144kv D/C line Wesley Creek to Meikle 905S & CTs (Formerly P599)	Jul 29, 2008	Dec 19, 2008	\$193,189,000
					9	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	\$28,112,000	9	7L133-144 kv S/C line Sulphur Point 828S to High Level 786S	Mar 19, 2011		
					10	High Level 786S +/- 30 MVAR SVC (Formerly P601)	Apr 14, 2009	Sep 01, 2009	\$12,298,000	\$11,061,000	10	High Level 786S +/- 30 MVAR SVC	Jun 30, 2010		
					11	7L113-144kv S/C line Ring Creek 853S to New Arcenciel 930S (Formerly P602,P604)	Jun 30, 2010	Dec 02, 2010	\$121,246,000	\$68,484,000	11	New Arcenciel station and cap bank	Dec 31, 2011		
					12	Arcenciel 930S -30 +50 MVAR synch cond (Formerly P603)	Sep 01, 2011	Mar 01, 2012	\$23,151,000*	\$23,151,000	13	Arcenciel 930S -30 +50 MVAR synch cond	Mar 01, 2013		
					14	Arcenciel 930S +/- 30 MVAR SVC P605 (Formerly P605)	Jun 30, 2010	Jan 13, 2011	\$12,050,000*	\$10,949,000	14	Arcenciel 930S +/- 30 MVAR SVC	Dec 31, 2011		
					15	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 03, 2009		
					16						16	SVC	Mar 31, 2010		
					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*	\$14,719,000
2	AML North Lethbridge	Feb 24, 2009	Nov 06, 2009	\$7,953,000*						2	All Phase 1 AltaLink Equipment	May 28, 2010			
AltaLink	3	Brooks Area Transmission Development	Dec 18, 2008	Mar 17, 2009					\$1,464,000*	\$24,229,000	3	Brooks Area Transmission Development	Sep 30, 2010		
	4	Brooks New Transformers	Dec 18, 2008	Mar 17, 2009					\$12,956,000*		4	Brooks New Transformers	Nov 22, 2009		
	5	New 138kV line 666L	May 08, 2009	Nov 19, 2009					\$8,015,000*		5	New 138kV line 666L	Nov 30, 2011		
	6	Brooks 240kV Line Upgrades	Mar 20, 2009	Apr 22, 2009					\$455,800*		6	Brooks 240kV Line Upgrades	Nov 30, 2010		
	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	
	ATCO	8	9L933/934 & 9L950 Upgrade	Aug 27, 2007					Mar 10, 2008		\$1,477,000*	\$1,027,000	8	9L933/934 & 9L950 Upgrade	Nov 30, 2010
		9	New Cypress Substation 562S	Apr 28, 2009					Dec 23, 2008				9	New Cypress Substation 562S	Mar 5, 2010
10		Jenner 240kV Diameter Addition	Dec 12, 2008	Mar 02, 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 02, 2009							15	Jenner 951L, 1002L Line in and out	Sep 30, 2009		
16		Amoco Empress Thermal Upgrades	Dec 12, 2008	Mar 02, 2009							16	Amoco Empress Thermal Upgrades	Oct 30, 2009		
ATCO	17	Jenner Thermal Upgrades	Dec 12, 2008	Mar 02, 2009							17	Jenner Thermal Upgrades	Sep 30, 2009		
	18	McNeil 840S Cap Bank	Aug 04, 2009	Dec 01, 2009					\$5,427,000	\$2,142,000	18	McNeil 840S Cap Bank	Jul 13, 2010		
626 - ENMAX South 69kV Conversion	Apr 09, 2009	Jul 13, 2011	\$22,242,000	ENMAX	1	Enmax South 69kV Stage 1	Apr 16, 2009	Jul 13, 2011	\$11,590,000	\$11,320,000	1	Enmax South 69kV Stage 1	Jul 19, 2013		
					2	Enmax South 69kV Stage 2	Mar 30, 2010	Jul 13, 2011	\$4,906,000	\$4,817,000	2	Enmax South 69kV Stage 2	Aug 17, 2012		
					3	Enmax South 69kV Stage 3	Dec 23, 2010	Jul 13, 2011	\$8,528,000	\$7,610,000	3	Enmax South 69kV Stage 3	Sep 20, 2013		
629 - Alberta Industrial Heartland Bulk Transmission Development	CTI	Dec 09, 2009	CTI	AltaLink & EPCOR	1	500kV 1206L/1212L (Formerly P629)	Sep 27, 2010	Jul 30, 2011	\$580,689,000	\$569,885,000	1	1206L/1212L	Mar 30, 2013		
					2	Heartland 12S Eilerslie 89S and 1054L/1061L (Formerly P1066)	Sep 27, 2010	Jul 30, 2011			2	Heartland 12S Eilerslie 89S and 1054L/1061L	Mar 30, 2013		
664 - Calgary Business District	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	Nov 01, 2011		
											2	1.85L	Aug 22, 2011		
											3	1.83L	Nov 01, 2011		
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	\$50,290,000	1	Hinton/Edson Area Transmission	Feb 01, 2012		
					2	Cold Creek 602S 138kV, 27 MVAR Capacitor Bank (Formerly P910)	Jul 08, 2010	Aug 16, 2010	\$2,254,000	\$1,992,000	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	\$30,499,000	\$30,793,000	3	Cherhill Substation and 240kV Interconnection	Nov 08, 2011		
					4	Drayton Valley Area 138kV Transmission (Formerly P912)	Jul 30, 2010	Apr 27, 2011	\$34,710,000	\$41,873,000	4	Drayton Valley Area 138kV Transmission	Dec 31, 2011		
673 - Ft McMurray Area 144 kV Reinforcement	Jul 29, 2010	Apr 14, 2011	\$38,489,000	ATCO	1	All facilities	Aug 03, 2010	Apr 14, 2011	\$31,537,000	\$28,490,906	1	All Project Equipment	Apr 01, 2012		
737 - North South Transmission Reinforcement	CTI	Dec 09, 2009	CTI	ATCO & AltaLink & EPCOR	1	Facility Application - ATCO (Currently know to TFO as P961)	ATCO: March 29, 2011 AltaLink: May 1, 2011 EPCOR: March 30, 2011	Jun 30, 2012	\$1,638,168,000	\$1,637,914,000	1	All ATCO/AltaLink/EPCOR Equipment	Jun 30, 2014		
				AltaLink & EPCOR	2	Facility Application - AltaLink (Currently known to TFO as P962)	AltaLink: March 1, 2011 EPCOR: March 1, 2011 (AML Filed on behalf of EPCOR)	May 30, 2012	\$1,420,200,000	\$1,407,200,000	2	All AltaLink/EPCOR Equipment	Oct 14, 2014		

# AESO Transmission System Projects - Quarterly Report - Q2 2011

- see notes at the end of this document for report terminology and definitions  
 - data in report is current as of July 11, 2011



Project Name and Number	Need Application Filing	Need Application Approval	Need Application Estimated Cost <sup>3</sup>	TFO	Facility Application Number	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
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*	\$118,230,000	1	Keephills substation addition	Jul 31, 2010
					2	Rebuild 240kV 904L	Jul 28, 2010	Mar 30, 2011			2	12km new 904L (renumbered as 1043L)	Jan 29, 2013
					4	AML 902L Restrung & 909L Retermination (Formerly P1057)	Mar 30, 2011	Aug 30, 2011			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 22, 2012
					3	1044EL, 1045EL (Formerly P955)	Oct 15, 2010	Mar 30, 2011			6	1045 restrung, renumber line 1044L, 1044EL, 1045EL	Mar 20, 2011
					7	ATCO Phase Shifter (Formerly P957)	Jun 24, 2011	Jul 14, 2011			7	909L Restrung	Mar 20, 2011
					8	TransAlta 902L, 1043L (Formerly P959)	Jun 30, 2010	Jan 27, 2011			8	Jasper, Petrolia, 1044EL, 1045EL restrung, line number change to 1055L, 1055EL, 1056L, 1056EL	Mar 01, 2012
787 - Southern Alberta Transmission Reinforcement	Dec 30, 2008	Sep 17, 2009	\$3,439,000,000	AltaLink	1	911L Line Replacement (Formerly P882)	Aug 29, 2011	Sep 13, 2012	Future	Future	1	911L	Jun 30, 2014
					2	Milo Junction Switching Station (Formerly P883)	Dec 21, 2009	Aug 05, 2010	\$29,700,000	\$29,725,000	2	New Milo Junction	
					3	PST Addition at Russell 632S (Formerly P884)	Aug 27, 2010	Jan 12, 2011	\$17,207,000		3	Russell PST	Sep 30, 2011
					4	Cassils to East Medicine Hat (Formerly P886)	Jul 27, 2010	Jun 08, 2011	\$407,909,000	not provided in monthly report	4	Cassils to Medicine Hat	Mar 25, 2014
					5	East Med Hat to Whitla 240kV Transmission Line (Formerly P887)	Jul 27, 2010	Jun 08, 2011	\$352,754,000	not provided in monthly report	5	East Med Hat to Whitla 240kV Transmission Line	Mar 31, 2014
					6	Med Hat Area 138kV Line Development (Formerly P888)	Aug 16, 2011	Jun 19, 2012	Future	Future	6	Med Hat Area 138kV Line Development	May 30, 2014
					7	Chapel Rock Sub and 240kV line to Fidler (Formerly P1034)	Mar 13, 2012	Apr 09, 2013	Future	Future	7	Chapel Rock Sub and 240kV line to Fidler	May 24, 2014
					8	Etzikom Culee S/S and 240kV line to MATL S/S (Formerly P1035)	Feb 22, 2012	Mar 20, 2013	Future	Future	8	Sub C and 240kV line to MATL S/S	Nov 21, 2014
					9	Goose Lake S/S to Etzikom Culee S/S 240kV Line (Formerly P1036)	Aug 02, 2012	Aug 29, 2013	Future	Future	9	Goose Lake S/S to Sub C 240kV Line	Dec 21, 2016
					10	Etzikom Culee S/S to Whitla 240kV Line (Formerly P1037)	Mar 23, 2012	Apr 19, 2013	Future	Future	10	Sub C to Whitla 240kV Line	Dec 16, 2014
					11	Blackie Area 138kV Upgrade (Formerly P1038)	Jan 08, 2012	Jul 08, 2012	Future	Future	11	Blackie Area 138kV Upgrade	Dec 06, 2012
					12	Cypress Substation SVC (Formerly P1039)	Feb 15, 2012	Jun 30, 2012	Future	Future	12	Cypress Substation SVC	Jan 30, 2014
					13	Ware Junction Substation Upgrade (Formerly P1040)	Apr 05, 2011	Apr 05, 2012	\$6,134,000*	not provided in monthly report	13	Ware Junction Substation Upgrade	Dec 14, 2012
791 - North Ft McMurray Transmission Development	Aug 12, 2010	Aug 01, 2011	\$237,440,000	ATCO	1	North Fort McMurray 240 kV Transmission Development	Sep 10, 2010	Jun 15, 2011	\$237,440,000	\$195,110,000	1	McLelland to Black Fly	Apr 01, 2012
					2					2	Salt Creek to Black Fly	Apr 01, 2013	
811 - Central East Area Transmission Development	May 17, 2010	Feb 21, 2011	\$431,000,000	ATCO	1	Cold Lake Area Reinforcements - Except Bonnyville	Oct 01, 2011	Apr 01, 2012	Future	Future	1	Cold Lake Area Reinforcements - Except Bonnyville	Mar 01, 2013
					2	Cold Lake Area Reinforcements - Bonnyville	Mar 01, 2012	Dec 01, 2012	Future	Future	2	Cold Lake Area Reinforcements - Bonnyville	Aug 01, 2013
					3	St. Paul Area Upgrades - Watt Lake, 7LA92	Aug 01, 2011	Feb 01, 2012	Future	Future	3	St. Paul Area Upgrades - Watt Lake and 7LA92	Dec 01, 2012
					4	St. Paul Area Upgrades - St Paul 707S, Whitby Lake 819S & 7L139/7L70	Mar 01, 2012	Dec 01, 2012	Future	Future	4	St. Paul Area Upgrades - St Paul 707S, Whitby Lake 819S & 7L139/7L70	Oct 01, 2013
					5	Vermillion 710S Substation Upgrade	Jul 01, 2011	Apr 01, 2012	Future	Future	5	Vermillion 710S Substation Upgrade	Oct 01, 2012
					6	Heisler Area Upgrades	Jul 01, 2011	Apr 01, 2012	Future	Future	6	Heisler Area Upgrades	Nov 01, 2012
					7	Kitscoty Area Upgrades	Mar 01, 2012	Dec 01, 2012	Future	Future	7	Kitscoty Area Upgrades	Jul 01, 2013
					8	7L749 Replacement	Jul 01, 2012	Apr 01, 2013	Future	Future	8	7L749 Replacement	Nov 01, 2013
					9	Double Circuit Line Clearance Mitigations (Letter of Enquiry)	Oct 01, 2011	Dec 01, 2011	Future	Future	9	Double Circuit Line Clearance Mitigations (Letter of Enquiry)	Dec 31, 2012
				AltaLink	10	Provost & Wainwright Area Upgrades	May 01, 2012	Mar 01, 2013	Future	Future	10	- New 138 kV S/C line (409L) from Provost 545S to Hayter 277S	Sep 01, 2013
											11	Rebuild existing S/C line (748L) from Hayter 277S to Killarney Lake 267S	Sep 01, 2013
											12	Rebuild existing S/C line (715L/715AL) from Hansman Lake 650S to Porvost 545S	Oct 01, 2013
											13	Addition of 138/69kV transformer addition and alterations at Wainwright 51S	Nov 01, 2013
											14	- New 138 kV S/C line (415L) from Wainwright to Edgerton	Nov 01, 2013
											15	- Rebuild existing SIC line (749L) from Metiskow 648S to AltaLink/ATCO service boundary	Feb 01, 2014
											16	- New 138 kV D/C line (407L/410L) from Killarney Lake 267S to rebuilt 749L and salvage of existing line (749AL)	May 1m, 2014

# AESO Transmission System Projects - Quarterly Report - Q2 2011

- see notes at the end of this document for report terminology and definitions  
 - data in report is current as of July 11, 2011



Project Name and Number	Need Application Filing	Need Application Approval	Need Application Estimated Cost <sup>3</sup>	TFO	Facility Application Number	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
											17	- Rebuild existing lines (704/704AL) that will connect Wainwright 51S to Jarrow 252S and Tucuman 478S	Sep 01, 2014
				ATCO / AltaLink	11	7L50 Rebuild	TBD	TBD	Future	Future	18	7L50 Rebuild	TBD
					12	Cold Lake Reinforcement (2017) - 240kV	TBD	TBD	Future	Future	19	Cold Lake Reinforcement (2017) - 240kV	Dec 01, 2017
812 - Hanna Region Transmission Development	Aug 14, 2009	Apr 19, 2010	\$983,000,000	ATCO	1	Youngstown 772S Capacitor bank addition (Formerly P977)	Aug 09, 2010	Nov 15, 2010	\$6,324,000	\$664,266,000	1	Youngstone 772S Capacitor bank addition	Oct 07, 2011
					2	Battle River 757S Capacitor Bank addition (Formerly P978)	Aug 09, 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	\$158,669,000		3	New Lanfine 240/144kV substation	Sep 30, 2012
					4	Lanfine 959S 200MVA SVC (Formerly P980)	Mar 03, 2011	Nov 30, 2011	\$142,493,000		4	Lanfine 959S 200MVA SVC	Sep 30, 2012
					5	Lanfine-Oyen 144kV S/C Line 7L132 (Formerly P982)	Mar 21, 2011	Nov 30, 2011	\$25,877,000		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	included in FA 5		6	Relocate 7L98 Oyen 767S - Lanfine 959S	Sep 30, 2012
					7	Oakland 946S 240kV S/S combined with Anderson-Oakland line (Formerly P996)	Nov 25, 2010	Nov 30, 2011	\$46,386,000		7	Oakland 946S 240kV S/S combined with Anderson-Oakland line	Sep 30, 2012
					8	Oakland-Lanfine 240kV S/C Line 9L924 (Formerly P998)	Dec 21, 2010	Nov 30, 2011	Included in FA 3		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 07, 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 08, 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	\$118,036,000		11	Pemukan 932S 240 kV Substation	Sep 30, 2012
					12	New Lanfine-Pemukan 240kV S/C Line 9L46 (Formerly P1003)	Mar 03, 2011	Nov 30, 2011	Included in FA 4		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 08, 2010	Dec 23, 2010	\$3,524,000		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, 2011	Nov 30, 2011	Included in FA 11		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	Included in FA 11		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	Included in FA 11		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 01, 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, 2010	May 31, 2011	\$23,512,900		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 16, 2011	\$79,324,000	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	May 03, 2011	\$2,328,000	21	Hardisty 377S Substation Capacitor Bank	Sep 30, 2012	
					22	Hansman Lake 650S Substation Static VAR Compensator Addition (Formerly P1026,P1027)	Nov 29, 2010	Apr 27, 2011	\$47,260,000	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 06, 2010	Dec 31, 2011	\$35,636,000	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	24	New 240kV line 1060L from Ware Junction 132S-West Brooks 28S	Dec 14, 2012	
813 - Red Deer Transmission Development	May 18, 2011		\$215,540,000	AltaLink	1	Red Deer Area Transmission Development Stage I - Brownfield	Aug 30, 2011	Mar 31, 2012	Future	Future	1	Red Deer Area Transmission Development Stage I - Brownfield	Oct 30, 2012
					2	Red Deer Area Transmission Development Stage I - Rebuilds	Jun 13, 2012	Jul 20, 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	Apr 13, 2012	May 05, 2013	Future	Future	3	Red Deer Area Transmission Development Stage I - New Builds	Jul 12, 2014
					4	Red Deer Area Transmission Development Stage I - Salvage	May 30, 2013	Aug 30, 2013	Future	Future	4	Red Deer Area Transmission Development Stage I - Salvage	Jun 13, 2014
					5	Red Deer Area Transmission Development Stage II	TBD	TBD	Future	Future	5	Red Deer Area Transmission Development Stage II	Nov 30, 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	\$749,000	1	Fieldgate Breakers	Aug 19, 2010
					2	Slave Lake 72 kV Upgrade	May 24, 2011	Sep 14, 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	Sep 02, 2011	May 10, 2012	\$36,660,000*	\$33,559,000	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*	\$8,589,000	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*	\$16,948,000	5	Edith Lake to Sarah Lake 144 kV Line	Jun 14, 2013
834 - Livock 240/144kV Reinforcement Project	Sep 10, 2010	Apr 28, 2011	\$25,117,000	ATCO	1	All Project Facilities	Sep 27, 2010	Apr 28, 2011	\$25,117,000	\$23,496,000	1	All Project Equipment	Apr 01, 2012
				TBD	1	Fort McMurray Area Bulk System Development Stage 1-Phase 1 (Formerly P1010)	TBD	TBD	Future	Future	1	All Phase 1 Equipment	2015 - 2017

# AESO Transmission System Projects - Quarterly Report - Q2 2011

- see notes at the end of this document for report terminology and definitions  
 - data in report is current as of July 11, 2011



Project Name and Number	Need Application Filing	Need Application Approval	Need Application Estimated Cost <sup>3</sup>	TFO	Facility Application Number	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
838 - Fort McMurray Area Transmission Bulk System Reinforcement	CTI	Dec 09, 2009	CTI - Competitive Procurement	TBD	2	Fort McMurray Area Bulk System Development Stage 2-Phase 1 (Formerly P1012)	TBD	TBD	Future	Future	2	All Phase 2 Equipment	2017 - 2019
				TBD	3	Fort McMurray Area Bulk System Development Stage 3-Phase 1 (Formerly P1014)	TBD	TBD	Future	Future	3	All Phase 3 Equipment	TBD
878 - Athabasca Area Telecommunication Upgrade	Sep 24, 2010	Aug 31, 2011	\$17,884,000	AltaLink	1	All Project Facilities	Dec 17, 2010	Aug 31, 2011	\$20,086,000	\$19,919,000	1	All Project Equipment	Dec 01, 2011
922 - ENMAX No. 65 Substation	CTI	Dec 09, 2009	CTI	ENMAX	1	New 240/138 kV Substation	Dec 16, 2010	Dec 30, 2011	\$31,138,000	Future	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	Future	2	Interconnection of Enmax No. 65 SS to 911L	Jul 03, 2013
936 - Pincher Creek Area 240/138 kV Transmission Development	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	Sep 17, 2009	Apr 23, 2010	\$1,195,000	ATCO	1	All Project Facilities	Sep 25, 2009	Apr 23, 2010	\$1,194,500	\$1,233,500	1	All Project Equipment	Apr 20, 2011
947 - Long Range Airdrie Area System Development	May 27, 2011	Jan 06, 2012	\$36,845,000	AltaLink	1	All Project Facilities	Jun 30, 2011	Mar 14, 2012	\$37,907,000	Future	1	All Project Equipment	Nov 28, 2012
1092 - North East Voltage Support	Dec 17, 2010	Sep 01, 2011	\$18,661,000	ATCO	1	Dover 240kV Capacitor Bank	Jan 11, 2011	Sep 01, 2011	\$6,966,000	\$6,477,000	1	Dover 240kV Capacitor Bank	Apr 30, 2012
					2	Whitefish 240kV Capacitor Bank	Jan 11, 2011	Sep 01, 2011	\$6,083,000	\$6,020,000	2	Whitefish 240kV Capacitor Bank	Mar 30, 2012
				AltaLink	3	Leismer 138kV Capacitor Bank	Jan 20, 2011	Sep 01, 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.

## 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. Facility Application Estimated Cost: This is the +20 / -10% (or better) estimate that is provided in the Facility Application to the AUC. Numbers presented with an \* are based on the +20 / -10% estimate that is provided by the TFO in the Proposal To Provide Service, in support of the Facility Application.
11. 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.
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.