

AESO Transmission Customer (Generation and Load) Projects - Quarterly Report

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

Project Number	Project Name	Project Description	Need Description	NID/NIF Filed	NID/NIF Approved	P and L Filed	P and L Approved	Planned ISD	Forecast or Actual ISD	TFO	Year NID Valid	NID/NIF Estimate	PPS Estimate	TFO Forecast Cost	Project Status
179	Kettles Hill Windfarm	A 138 kV interconnection - < 100 m of S/C 138 kV line from existing 170L to Kettles Hill 383S Installation of protection, control, PMU and communications at Kettles Hill 383S. Modifications to existing facilities at Peigan 59S and Pincher Creek 396S	To serve new 63MW wind farm near Pincher Creek.	2004-07-14	2005-03-09	2005-03-25	2005-06-08	2007-04-30	2005-12-05	AML	2005	1,292,000	835,000	827,241	Phase 1 - Complete on Dec 15, 2005. Phase 2 - 54 MW in April 30, 2007.
										TransAlta		130,000	107,824		
307	Norcen-812S 144/25 kV Station Upgrade	Station upgrade	To meet load growth.	2004-05-21	2004-08-09	2005-07-05	2005-07-20	2004-12-01	2006-02-28	ATCO	2004	1,660,000	1,616,462	1,620,000	Final Costs received Jan 3. Working on project close out.
308	ENMAX 26S substation modifications	ENMAX 26S New Substation Construction	Accommodate load growth.	2005-03-10	2005-11-25	2006-06-05	2006-06-19	2006-09-01	2007-07-01	ENMAX	2005	6,350,000	5,450,000	5,450,000	Under Construction
333	Enmax #7 Sub (new)	New 138/25 kV substation.	To accommodate load growth.	2004-02-03	2004-04-20	2004-05-04	2004-05-31	2004-11-01	2005-08-08	ENMAX	2003	4,900,000	5,310,000	5,038,000	Final Costs Received, Project Complete.
341	Briker 880S New Substation	New Substation in Lloydminster area	To accommodate load growth.	2004-02-24	2004-08-09	2005-05-31	2005-09-12	2004-10-01	2005-12-20	ATCO	2004	3,200,000	4,781,437	4,781,337	Final Costs Received.
343	Bassano Substation	New Bassano 138/25 kV substation	To serve growing load in the Bassano area.	2004-09-08	2005-05-10	2005-06-10	2006-02-14	2006-05-11	2006-05-11	AML	2004	9,800,000	12,200,000	14,300,000	Awaiting final costs
356	Vision Quest Summerview Wind Farm	138 kV interconnection to supply 68 MW wind farm near Pincher Creek.	138 kV interconnection to supply 68 MW wind farm near Pincher Creek.	2004-02-09	2004-04-22	2004-04-27	2004-09-01	2004-05-15	2004-09-30	AML	2003	5,330,000	3,836,000	4,006,643	Awaiting final project closeout
358	Aquila - Bretona 725S (Sherwood Park) Sub	New 138kV/25kV Substation.	To accommodate load growth.	2004-03-26	2004-06-14	2004-08-04	2004-12-03	2004-12-01	2005-06-24	AML	2004	4,100,000	4,584,000	4,869,214	Project Complete
359	Fortis - Chestermere Lake area 25 kV breaker additions	Two new 25 kV feeders sourced from ENMAX substations to Chestermere area. Add a 25 kV regulator at Carseland 535S and Salvage shepard Substation.	Increase supply and backup capability into the Chestermere area to accommodate load growth.	2005-10-21	2006-01-16	2006-04-19	2006-07-01	2006-12-01	2007-02-01	AML	2005	420,000	488,200	488,200	Final commissioning stage
										ENMAX	2005	301,000	366,000	487,000	
360	Fortis - Viscount (St. Albert)	New 138kV/25 kV substation.	To accommodate load growth.	2004-06-23	2004-12-23	2005-01-24	2005-03-09	2005-04-01	2006-05-16	AML	2004	5,600,000	4,852,000	5,067,806	Project Complete

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361	Fortis - Suffield 895S Regulator Upgrade	PH 1- Regulator upgrade and 25 kV feeder addition; PH II - transformer and 138 kV breaker additions at suffield 895S	Capacity additions to meet load growth. Existing 2nd transformer (6 MVA) replaced to add load growth	2003-07-17	2003-09-12	2005-05-05	2005-10-24	2004-10-15	2006-04-27	AML	2003	3,400,000	3,778,000	4,400,000	PH 1 Completed PH 2 Completed - Awaiting final costs
376	Blue Trail Windfarm	Transmission facilities to supply 66 MW wind farm	Transmission facilities to supply 66 MW wind farm					2008-08-01	2008-08-01	AML	2007	630,000		630,000	Awaiting PPS
384	ENMAX Taber Wind Project	138 kV Transmission line upgrades as well as upgrades at Fincastle 336S and Taber Wind 134S	Transmission upgrade to supply 80 MW Wind Energy Project east of Taber.	2006-04-25	2006-07-18	2006-06-14	2006-10-10	2006-12-15	2006-12-15	AML	2006	6,350,000	7,100,000	7,100,000	Under Construction - Phase 1 energized
386	Terassen - Wardlow/Jenner	New load (3 to 6 MW) at Jenner Station. 25 kV/breaker and 25/138 kV/LTC at Jenner 275S, 25kms 138 kV & establish 138/4 kV POD at Wardlow pumpstation.	Required to accommodate new direct-connect customer load.	2004-04-14	2004-11-02	2004-11-15	2004-12-23	2005-02-01	2005-05-01	AML	2004	9,100,000	10,350,000	8,152,000	Complete. Final costs received for customer portion. Awaiting remaining final costs for system portion.
387	Terassen - Peace Butte Station	Install two 138 kV breakers at Bullshead 523S, construct 25kms 138 kV & establish Peace Butte 138/4 kV POD.	Required to accommodate new direct-connect customer load.	2004-03-24	2004-10-01	2004-10-25	2005-04-13	2005-03-18	2005-05-20	AML	2003	9,700,000	12,860,000	11,400,000	Complete. Final costs received for customer portion. Awaiting remaining final costs for system portion.
391	GW Power Soderglen Wind	Transmission facilities to supply 70.5 MW Wind Project.	Transmission facilities to supply 70.5 MW Wind Project.	2005-07-06	2005-11-08	2005-12-02	2006-02-13	2006-08-11	2006-08-11	AML	2005	3,500,000	3,867,000	2,910,000	Awaiting final costs.
										TransAlta				745,000	
392	VisionQuest - Waterton Wind Farm	Transmission upgrades to supply 300 MW Wind Farm. - Project on hold pending resolution of operational constraints	Transmission upgrades to supply 300 MW Wind Farm.					2999-12-31	2999-12-31	AML		27,000,000			Project Under Customer Review - delayed due system operational issues
393	VisionQuest Summerview Ph. II Wind Farm	Transmission upgrades to supply 60 MW Wind Farm near Pincher Creek.	Transmission upgrades to supply 60 MW Wind Farm near Pincher Creek.					2008-08-01	2008-08-01	AML		1,179,337			Planning Stage
405	Elk Valley Coal	T-tap from 138kV line	Customer Interconnection	2004-11-15	2004-12-17	2005-02-01	2005-03-01	2005-02-15	2005-04-01	AML	2004	185,000	398,000	199,000	Project closed
409	East Industrial-E52S Substation 240/25 kV Capacity Increase	Upgrades to existing sub (2nd transformer and 240 kV line tap)	Improve supply reliability	2004-08-23	2004-10-22	2005-08-01	2005-10-19	2006-06-15	2006-09-18	AML		300,000	434,000	315,000	Completed - Awaiting final costs
										EPCOR	2004	3,300,000	3,921,000	4,151,000	

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412	Dome Substation	New 15 kV Circuit Breaker.	Required to accommodate new EPCOR load.	2004-05-26	2004-06-29	2004-08-23	2004-09-16	2005-07-18	2005-06-01	EPCOR	2004	69,000	70,000	70,000	Complete. Awaiting Final Costs.
413	Garneau Substation	New 15 kV Circuit Breaker.	Required to accommodate new EPCOR load.	2004-04-30	2004-10-20	2005-06-14	2005-07-11	2004-06-01	2006-02-28	EPCOR	2004	70,000	70,000	70,000	Complete - Awaiting Final Costs.
421	North Calder-37S Bkr addition	New 25 kV breaker addition at North Calder 37s .	Accommodate EPCOR load growth.	2004-06-23	2004-12-23			2005-09-12	2006-06-15	AML	2004	452,000	478,000	570,000	Complete - Awaiting Final costs
422	TransCanada Edson Gas	New Marlboro 348S 138/4.16 kV Substation	Support customer load	2004-07-05	2004-10-19	2005-02-15	2005-10-19	2005-06-30	2005-12-15	AML	2004	5,350,000	8,220,000	9,200,000	Complete - Awaiting Final Costs
423	CNRL Horizon Project 240 kV Connection	Add 240 kV breaker at Dover and termination of Joslyn Creek to add 5-240 kV breakers and termination of 9L09, 9L66 and two 240 kV lines (owned by CNRL) to CNRL Horizon station.	Serve load customer - Oilsands Load	2004-12-22	2005-04-22	2006-05-03	2006-06-12	2007-06-01	2007-06-01	ATCO	2004	13,800,000	15,048,000	15,048,000	Direct Assigned to ATCO.
425	Enmax No. 6 Substation	New 138 kV distribution point of delivery	Address DFO reliability needs.	2004-09-08	2005-03-04			2006-06-30	2008-05-01	ENMAX	2004	6,050,000	5,955,000	8,005,490	Direct Assigned to ENMAX.
432	Nexen/Opti Long Lake 144 kV Connection	144 kV Interconnection	Required to supply growing load of Nexen/Opti Long Lake Project.	2004-12-21	2005-04-19	2005-10-05	2006-01-25	2006-10-02	2006-10-02	ATCO	2004	7,300,000	7,569,000	7,569,000	Transmission work complete. Awaiting Final Cost from ATCO.
433	Fortis Christina Lake	New 240 / 25 kV Substation (40 MW load), 240 kV modifications to Leismer substation, 25km of 240 kV line.	Fortis end use customer load growth (Encana, Devon, Access) in Christina Lake area that cannot be accommodated through existing distribution system. System developed at 240 kV in anticipation of further load growth.	2005-02-18	2005-07-28	2005-09-14	2005-12-09	2006-09-01	2006-09-12	AML	2005	21,600,000	27,994,000	29,823,000	Complete - Awaiting Final Costs.
440	Fortis- New Dry Creek (Airdrie) Sub	New 138/25 kV Substation and transmission line	To supply growing Airdrie load.	2004-12-23	2005-05-13	2006-11-29		2006-12-01	2007-08-15	AML	2004	7,000,000	11,500,000	11,500,000	Direct Assigned to AML
443	Fortis Blackmud Substation	New 138/25 kV substation.	Required to accommodate new Fortis load.	2004-10-22	2005-09-02	2006-03-06	2006-06-01	2005-12-01	2006-12-20	AML	2005	4,900,000	7,115,000	8,684,450	Complete - Awaiting Final Costs.
444	MEG Energy 240 kV Interconnection	25km of 240 kV line and modifications to Christina Lake substation to connect MEG Energy customer owned Conklin substation.	New 240 kV line to connect MEG Energy oil sands project in the Christina Lake area.	2005-09-19	2005-12-08	2005-09-19	2005-12-08	2006-09-01	2006-09-21	AML	2005	10,654,000	10,654,000	15,386,552	Initial load interconnection energized 27th September 2006. - Awaiting Final Costs.

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452	Blumenort 832S Capacity Increase	15/20/25 MVA LTC Transformer addition.	832S Capacity increase to meet load growth.	2005-06-15	2005-12-15	2006-03-24	2006-04-07	2005-10-31	2006-07-31	ATCO	2004	2,116,000	2,259,000	2,259,000	Facilities Energized - Awaiting Final Costs.
454	Fortis-Ross Creek 906S Capacity Increase	New 30/40/50 MVA LTC Transformer addition.	Capacity increase to meet load growth at Praxair Plant	2005-05-20	2005-07-27	2005-11-22	2006-01-17	2006-04-01	2006-05-01	AML	2005	2,000,000	2,940,000	2,940,000	Facilities Energized - Awaiting Final Costs.
456	ENMAX No.47 Substation	New 138/25 kV substation with 1 - 30/40/50 MVA transformer, 10 - 25 kV breakers. Approximately 12 km of transmission line to interconnect the new station. 1 - 138 kV breaker at Beddington 162S	New substation to serve north west Calgary load increase.	2006-06-30	2006-10-02			2008-09-01	2008-12-01	AML					TFO Preparing PPS - ENMAX NID estimate includes AML costs
										ENMAX	2008	13,120,000		13,120,000	
457	Canmore 118S	New substation.	Required to accommodate new Fortis load.	2006-04-18	2006-05-10	2006-06-16	2006-07-18	2006-10-01	2006-12-14	AML	2006	2,950,000	2,460,000	2,460,000	Awaiting final costs
459	Suncor Hillridge Wind Farm	20km of 138 kV transmission line.	Required to accommodate new Suncor wind generation.	2006-04-18	2006-05-12	2006-05-16	2006-08-18	2006-07-01	2006-10-30	AML	2006	3,950,000	5,885,000	5,855,000	Energized
461	Suncor Firebag Co-Gen	Transmission facilities to interconnect 85 MW of Gas Turbine Co-generation	Transmission facilities to interconnect 85 MW of Gas Turbine Co-generation					2006-12-19	2007-02-07						No TFO work. EC issued on 2007-01-05
462	Castle Rock Wind farm	Install Transimission facilities	To connect 115 MW wind farm near Pincher Creek					2999-12-31	2999-12-31	AML					Planning Stage.
467	ATCO Seal Lake 869S Capaacity Increase	25/33.3 MVA LTC 144/25 kV Transformer and 25 kV breaker addition	Capacity increase to meet load growth.	2005-09-13	2005-12-16	2005-09-13	2006-01-25	2005-12-15	2006-04-30	ATCO	2005	2,282,000	2,856,000	2,856,000	Facilities Energized - Awaiting final costs.
473	BA Energy Heartland Project	New point of interconnection for the Heartland upgrader project to service 35 MW of load	New point of interconnection for the Heartland upgrader project to service 35 MW of load	2006-06-23	2006-07-18	2006-11-14		2007-10-01	2007-10-01	AML	2005	11,669,919	9,700,000	9,700,000	Waiting for EUB approval for finalization
474	Enmax 9S 13 kV Breaker Additions	Add 2-13 kV breakers for new ENMAX feeders	Increased load in Calgary.	2005-08-30	2005-10-19	2005-12-05	2006-02-22	2007-04-01	2007-04-01	ENMAX	2004	215,000	332,240	440,000	Under construction
475	Syncrude G11, G12, G21 Upgrade	Syncrude G11, G12 & G21 generators	New generation to meet load growth within Industrial System Designation		2005-11-07	2006-07-18	2006-07-18	2006-05-01	2007-02-10						G12 & G21 Complete. G11 in commissioning phase

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476	Kinder Morgan Watson Creek 104S	New 138 kV transmission tap and 138/4.16 kV substation.	Required to accommodate new direct-connect customer load.	2006-05-15	2006-06-09	2006-08-23	2006-10-31	2007-03-01	2007-03-22	AML	2005	8,000,000	11,900,000	11,900,000	P&L approved. Construction in-progress.
477	Kinder Morgan Bilby 105S	New 138 kV transmission tap.	Required to accommodate new direct-connect customer load.	2006-05-15	2006-06-09	2006-08-02	2006-09-26	2007-03-01	2007-03-22	AML	2005	360,000	830,000	830,000	P&L approved. Construction in-progress.
478	Kinder Morgan Paddle River 106S	20km of 138 kV transmission line and 138/4.16 kV substation.	Required to accommodate new direct-connect customer load.	2006-01-30	2006-06-16	2006-08-02	2006-09-06	2007-03-01	2007-03-01	AML	2005	4,100,000	4,200,000	4,200,000	P&L approved. Construction in-progress.
480	Sundance 4 Upgrade	Increase output of Sundance #4 generating unit by 53 MW. All modifications within Sundance plant and there are no transmission facility changes or additions required.	Required to accommodate upgrade of TransAlta's Sundance #4 generating unit.					2007-09-06	2007-09-06						TransAlta executing modifications to Sundance #4 unit.
481	ATCO Flyingshot substation load addition	New 25 kV breaker	New 25 kV breaker to meet load growth	2006-04-17	2006-05-15	2006-05-26	2006-07-10	2006-05-31	2006-06-24	ATCO	2005	239,400	82,000	82,000	Breaker energized - Awaiting Final Costs.
482	Montana Alberta Tie (MATL)	Build new substation 6 km north of Lethbridge including 3-240 kV breakers in ring configuration to accommodate MATL interconnection.	Merchant Line Connecting Alberta To Montana	2006-04-22		2006-12-13		2007-11-16		AML	2006	7,834,445	9,200,000	9,200,000	NID submitted on April 22, 2006 has been put on hold due to MATL scope change. Revised NID submitted on Nov 1, 2006. Waiting for EUB approval
483	Fortis Coaldale 254S Transformer Addition	Addition of a 138/25 kV transformer	Addition of a 138/25 kV transformer to meet load growth	2006-05-26	2006-07-18	2006-07-30	2006-09-18	2007-05-01	2007-04-20	AML	2005	2,009,000	2,650,000	2,650,000	Project under construction
487	ATCO Updike 762S	30km of new 138 kV transmission line and new 144/2 5kV substation.	Required to accommodate new ATCO load.	2006-05-25	2006-08-30	2006-10-17		2007-03-31	2007-07-16	ATCO	2005	5,956,000	8,998,000	8,998,000	Waiting for EUB approval
488	Jenner 275S 25 kV breaker	Add a 25 kV breaker	New Fortis load exceeding existing feeder capacity is key driver	2006-04-18	2006-05-10	2006-05-16	2006-05-23	2006-10-31	2006-11-08	AML	2005	281,000	288,800	308,800	Complete - Awaiting final costs.
489	Olds 55S - 25 kV breaker addition	Add a 25 kV breaker	New Fortis feeder - driven by new load exceeding existing feeder capacity.	2006-04-18	2006-05-10	2007-01-07		2006-10-31	2007-04-30	AML	2005	484,000	227,500	577,689	Waiting for EUB approval

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491	Wetaskiwin 40S 25 kV Breaker Addition	25 kV Breaker Addition	Support Load Growth - exceeding capacity of existing feeders	2006-04-18	2006-05-15	2006-06-14	2006-06-26	2006-10-31	2006-12-22	AML	2006	450,000	231,000	231,000	Complete - Awaiting final costs
493	Fortis Acheson 305S Capacity Upgrade	Transformer addition	Required to meet increased load	2006-04-20	2006-05-12	2006-06-06	2006-06-26	2006-12-15	2006-12-22	AML	2006	2,200,000	2,395,000	2,395,000	EC issued on December 19, 2006
494	Fortis Namaka 428S Capacity Upgrade	Transformer addition	To meet load growth.	2006-04-26	2006-05-24	2006-07-04	2006-09-05	2006-12-15	2007-01-19	AML	2006	2,920,000	2,739,000	2,739,000	EC issued on December 14, 2006. Transformer energized on December 19, 2006, remainder of project will be completed in January, 2007.
495	Vermilion 710S add 144/25 kV 25/33/42 MVA transformer	Add 144/25 kV, 25/33/42 MVA transformer and 144 kV breaker at Vermilion 710S substation.	Add second transformer to accommodate load growth and to off load the tertiary of the existing 144/72/25 kV transformer.	2006-04-20	2006-05-12	2006-12-19	2007-01-17	2007-05-31	2007-07-01	ATCO	2006	2,679,000	2,837,000	2,837,000	Under construction
496	Suncor Firebag Stage 3	2 New Co-Gen Plants, new 260 kV transmission Line	2 New Co-Gen Plants, new 260 kV transmission Line					2008-06-30	2008-06-30						No TFO work anticipated
503	Crystal Lake 722S add 2nd 144/25 kV, 30/40/50 MVA transformer and 144 kV breaker	Add second 144/25 kV, 30/40/50 MVA transformer and 144 kV breaker at Crystal Lake 722S substation.	Add second transformer to accommodate load growth. To maintain standards of service and supply adequate back up to the area.	2006-04-20	2006-05-12			2007-06-30	2008-03-01	ATCO	2007	2,300,000		2,300,000	ATCO has delayed the ISD to March, 2008.
504	ATCO Valleyview 794S Capacity Upgrade	Transformer addition	Required to meet load growth	2006-04-24	2006-05-23	2006-11-28	2007-01-11	2007-06-15	2007-06-29	ATCO	2005	2,172,200	2,016,000	2,016,000	P&L approved. Construction underway.
506	New CloverBar 25 kV supply	Establish 25 kV supply at CloverBar for EDI	Establish 25 kV supply at CloverBar for EDI to meet new load growth	2006-08-22	2006-10-12			2008-06-01	2008-06-01	EPCOR	2006	7,800,000	8,800,000	8,800,000	Direct Assignment issued on December 19, 2006.
509	Yagos 100 MW wind farm near Goose Lake 103S	Transmission Facilities to interconnect a 100 MW Wind Farm located near Pincher Creek	Transmission Facilities to interconnect a 100 MW Wind Farm located near Pincher Creek					2999-12-01	2999-12-01	AML	2007	14,700,000		14,700,000	Planning stage
510	HWY 785 Wind Farm	Install transmission facilities	To interconnect 235 MW Wind Farm in SW Alberta					2999-12-31	2999-12-31	AML					Planning Stage
512	Joffre 525S Transformer and 25 kV breaker additions	One Transformer replacement, one transformer addition, and two 25 kV breakers.	To meet load growth - Major industrial loads being supplied by Fortis in the area.	2006-04-18	2006-05-10	2006-05-17	2006-07-18	2006-12-01	2007-05-01	AML	2006	6,430,000	5,174,000	5,174,000	Under Construction

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519	Old Man River Wind Farm	Addition of transmission line, T-tap and customer owned substation to 46 MW wind farm	Wind Generation Addition					2008-08-01	2008-08-01	AML	2006	9,336,476		9,336,486	Planning Stage
522	Fortis Innisfail Breaker	New 25 kV breaker addition at Innisfail 214S	DFO load growth	2006-06-20	2006-07-12	2006-08-21	2006-09-18	2006-11-30	2007-04-01	AML	2006	301,500	244,020	244,020	Under construction
524	Riverview Wind Farm	Install transmission facilities	To interconnect 115MW wind farm in SW Alberta					2999-12-31	2999-12-31	AML					Planning Stage.
525	ATCO Ruth Lake 848S Capacity Upgrade	Transformer addition	To meet load growth.	2006-04-17	2006-05-09	2006-06-26	2006-08-28	2006-12-15	2007-02-05	ATCO	2006	2,000,000	1,641,975	1,641,975	Energized on February 4, 2007.
530	ATCO Weyerhaeuser Capacity Increase	Capacity Increase	Capacity Increase	2007-01-24				2007-05-01	2008-03-15	ATCO	2006	2,983,000			IP filed with EUB on January 24, 2007, notification issued on January 26, 2007.
531	Syncrude 2nd 260 kV transmission line from DO5 to Aurora	Syncrude 2nd 260 kV transmission line from DO5 to Aurora. TFO only required to complete system work involving a re-build of crossing	Industrial Customer Expansion	2006-09-19	2006-10-12	2006-11-09	2006-11-14	2007-03-01	2008-04-01	ATCO	2006	165,000	216,000	216,000	Under construction
532	Shell Caroline 378S add 20 MW generator	Shell will add a 20 MW steam generator to supply their own plant load.	Shell will add a 20 MW steam generator to supply their own plant load.					2007-10-15	2007-11-15	AML					Protection study in progress with planning
549	City of Medicine Hat Gen Increase	Gen upgrade. No transmission work required.	The City of Medicine Hat upgrade of generators					2007-02-15	2007-02-15						Generator upgrade work in progress
551	Lafarge Exshaw Load Increase	Installation of third transformer. SCADA and P&C will need to be upgraded to current AESO standards.	Customer load requirements			2006-07-25	2006-08-30	2007-03-15	2007-06-15	AML					P&L approved. AltaLink working directly with Fortis and Lafarge
552	ATCO Irish Creek POD	25 kV Breaker Addition and Voltage Regulator Upgrade	Increase station capacity to accommodate new 11MVA pipeline booster station load.	2006-06-08	2006-07-04	2006-08-10	2006-08-25	2006-11-01	2007-04-01	ATCO	2006	1,024,000	1,096,000	1,096,000	Energization Authorization issued on October 27, 2006. Commissioning of 25 kV breaker delayed until 2007-04-01.
554	Otauwau 729S 2 - 25 kV Breakers	Addition of 2 - 25 kV breakers at Otauwau 729S to supply 2 new 25 kV feeders	Required to increase the reliability of supply to the Town of Slave Lake and the Tolk oriented stranded board (OSB) plant.	2006-07-25	2006-08-15	2006-11-24	2006-12-20	2007-06-01	2007-06-01	ATCO	2006	700,000	849,000	849,000	Under Construction

Project Number	Project Name	Project Description	Need Description	NID/NIF Filed	NID/NIF Approved	P and L Filed	P and L Approved	Planned ISD	Forecast or Actual ISD	TFO	Year NID Valid	NID/NIF Estimate	PPS Estimate	TFO Forecast Cost	Project Status
556	ATCO Cranberry Lake 827S Capacity Upgrade	Install 12/20/25 MVA 144/25 kV transformer, one (1) 144 kV breaker, one (1) 144 kV gangswitch, and two (2) 25 kV motorized gangswitches	Existing transformer and regulator will be overloaded by 2007.	2006-07-25	2006-08-18			2008-04-01	2008-04-01	ATCO	2006	2,252,496	2,425,000	2,292,496	PPS Received December 18, 2006.
568	Fortis Edson 58S Cables	Replace existing 500MCM 25 kV distribution cable with 750 MCM cable	Customer load growth	2006-08-29	2006-09-20	2006-09-26	2006-10-18	2006-10-30	2007-03-01	AML	2006	43,000	43,000	43,000	Energization Authorization issued on November 15, 2006.
584	Fortis South Leduc New Sub	South Leduc New Substation - details pending	New POD proposed to serve the load growth in the area.					2008-08-01	2008-08-01	AML					Planning preparing interconnection proposal.
613	ATCO-Mariana Sub 833S	25 kV Regulator Addition	To meet 11MVA additional load.	2006-09-29	2006-10-24			2007-06-30	2007-06-30	ATCO	2007	276,000	407,000	276,000	Facilities Application filed by ATCO on Feb 1, 2007.
618	ATCO-Bridge Creek 798S	25/33/42 MVA transformer replacement at the Bridge Creek 798S substation	Transformer increase due to anticipated load increase from Ainsworth Grande Prairie facility.	2006-09-29	2006-10-24	2006-12-19	2007-01-19	2007-03-15	2007-03-15	ATCO	2007	1,689,000	1,876,000	1,876,000	Waiting for customer to sign DTS contract
620	EPCOR-Petrolia Breaker P84	15 kV breaker addition	Meet load growth	2006-09-29	2006-10-24	2006-11-20		2006-12-29	2007-02-01	EPCOR	2006	62,000	52,443	52,443	Awaiting EUB approval
630	ENMAX No. 37 Feeder Addition	Addition of one feeder originating at No. 37 Substation.	To provide adequate backup to the existing 13.8 kV feeders in the area SW of No. 37 Substation.					2007-12-31	2007-12-31	ENMAX					AESO reviewing interconnection proposal
637	Fortis Tilley 498S Transformer and Breaker Addition	Install a second 138 kV/25 kV supply transformer and 25 kV feeder.	Additional capacity required to meet load growth.					2007-08-01	2007-08-01	AML					Planning stage
643	Enmax No. 9 Transformer Upgrades	Upgrade the 2 existing 28 MVA transformers to 2 - 50 MVA transformers at the Enmax No. 9 Substation	Meet load growth					2008-03-01	2008-03-01	ENMAX					AESO reviewing Interconnection Proposal
644	Fortis Blackmud 25 kV Breaker Addition	Addition of a 25 kV breaker at 155S	Feeder loading exceeding existing feeder capacity.	2006-11-14				2006-12-01	2007-06-01	AML	2006	87,450		87,450	Awaiting EUB approval
648	FortisAlberta Sylvan Lake New Substation	New customer requested substation in the Sylvan Lake area.	Meet load growth					2007-12-01	2008-03-01	AML	2006	19,500,000		19,500,000	IP currently under review by AESO

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655	FortisAlberta Devon 14S Conductor Upgrade	Upgrade overhead conductor from 3/0 to 477 MCM	Feeder overloaded based on Fortis feeder loading criteria.	2006-12-11				2006-12-31	2007-09-01	AML	2006	24,100		24,100	Awaiting EUB approval
658	Fort Assiniboine Phase 2	Install two 138/25 kV 15/20/25 MVA LTC transformers, remove the installed operational spare transformer, and install two 25 kV breakers.	Meet Load Growth							AML					Planning stage

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Notes:

1. Project Number: This is a number that is assigned by the AESO to each project that could potentially be Direct Assigned to a TFO by the AESO.
2. NID/NIF Filed: For Sytem Projects over \$10 million, this is the date that the AESO submits to the EUB a Need Information Document (NID) for approval as per the requirement of Section 34(1) of the Act. For System Projects under \$10 million or Customer Interconnections, this is the date the AESO submits to the EUB a Need Information Filing (NIF) for information purposes (The EUB will post the NIF on its website for comment, if no comments are received the EUB will notify the AESO and the AESO will then proceed with Direct Assigning the project to the TFO(s)).
3. NID/NIF Approved: This is the date the NID is approved by the EUB or for a NIF, this is typically 21 days after the NIF is filed for information purposes.
4. P and L Filed: This is the date that the TFO's Permit and License application (sometimes referred to as the Facility Application) is registered with the EUB. For Projects with mutiple applications, this is the date the first application is registered.
5. P and L Approved: This is the date that the TFO's Permit and License application is approved by the EUB. For Projects with mutiple applications, this is the date the last application is approved.
6. Planned ISD: In colaboration with the TFO, and taking into consideration the customers requirements, this is the initial in-service-date(ISD) that the AESO has established at the NID/NIF or Interconnection Proposal (IP) stage of the project.
7. Forecast or Actual ISD: This is the most recent information the TFO has provided to the AESO on the expected ISD. This information is typically provided to the AESO in the PPS (Proposal to Provide Service) or Project Monthly Reports provided by the TFO.
8. TFO: These are the Transmsion Facility Owners (TFO) who have provided and are responsible for the estimates, schedule, construction and costs for the project. The TFO's eligible are designated by service territory as defined in ISO Rule 9.1. Eligible TFO's are as follows;
 - AML: Altalink L.P.
 - ATCO: ATCO Electric Ltd
 - EPCOR: EPCOR Transmission Inc.
 - ENMAX: ENMAX Power Corporation
 - TAU: TransAlta Utilities Corp
 - Leth: City of Lethbridge
 - RD: City of Red Deer
9. Year NID Valid: This indicates the year of validity of the NID estimate (i.e. an estimate may be completed in 2006 \$'s but should include escaltion to put the estimate in the year the Project is expected to go in service)
10. NID/NIF Estimate: Is a +/- 30 % estimate that is provided by the TFO and accompanies the NID or NIF submitted to the EUB. The AESO uses the estimate to assist with project scope decisions. The The TFO's are required to submit the estimate in the format as per the requirements of the ISO Rule 9.1 avialable on the AESO WEB site.
11. PPS Estimate: Is a +20/-10% estimate that accompanies the TFO's Proposal to Provide Service's (PPS) document. Prior to the AESO Direct Assigning a project to a TFO, the TFO must submit a PPS to the AESO for review. The AESO will review the document c/w the estimate to ensure that the scope of the services provided in the PPS are as per requested. The TFO's are required to submit the PPS and estimate in the format as per the requirements of the ISO Rule 9.1 available on the AESO WEB site.
12. TFO Forecast Cost: This is the most recent cost estimate provided by the TFO. This could come from the TFO provided NID Estimate, PPS Estimate, Monthly Project Report (for projects over \$1 million), Project Variance Report or Final Cost Report.
13. Project Status: This provides a brief status of the project.