

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
308	ENMAX 26S substation modifications	ENMAX 26S New Substation Construction	DFO Load Growth	2005-03-10	2005-11-25	2006-06-05	2006-06-19	2007-10-26	2009-04-01	ENMAX	2005	6,350,000	5,450,000	5,450,000	ENMAX will begin consultation May 1, 2008 for interim configuration (1-30MVA transformer and 1-17 MVA transformer).
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.	DFO Load Growth	2005-10-21	2006-01-16	2006-04-19	2007-01-30	2007-05-01	2007-05-01	AML	2005	420,000	488,200	488,200	Complete - Awaiting Final Costs
										ENMAX	2005	301,000	366,000	509,679	
376	Blue Trail Wind Farm	Transmission Facilities to accommodate a 66 MW Wind Farm	Wind Generation Addition or Upgrades					2009-12-31	2009-10-01	AML	2007	630,000	514,000	514,000	Awaiting SW Transmission Reinforcement
										TransAlta			211,001	211,001	
384	ENMAX Taber Wind Project	138 kV Transmission line upgrades as well as upgrades at Fincastle 336S and Taber Wind 134S	Wind Generation Addition or Upgrades	2006-04-25	2006-07-18	2006-05-16	2006-05-23	2006-12-15	2006-12-15	AML	2006	6,350,000	14,200,000	7,100,000	AltaLink Final Costs Received ENMAX working on final validation and testing of machines.
392	VisionQuest - Waterton Wind Farm	Transmission upgrades to supply 300 MW Wind Farm.	Wind Generation Addition or Upgrades					2999-12-31	2999-12-31	AML		27,000,000		27,000,000	Customer Application in Progress
393	VisionQuest Summerview Ph. II Wind Farm	Transmission upgrades to supply 60 MW Wind Farm near Pincher Creek.	Wind Generation Addition or Upgrades					2009-12-31	2009-12-31	AML		1,179,337		1,179,337	Awaiting SW Transmission Reinforcement
422	TransCanada Edson Gas	New Marlboro 348S 138/4.16 kV Substation	Industrial Interconnection or Expansion	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 Pipeline Mitigation Outstanding
423	CNRL Horizon Project 240 kV Connection	Add 240 kV breaker at Dover and termination of 9L08. Expansion 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.	Industrial Interconnection or Expansion	2004-12-22	2005-04-22	2006-05-03	2006-06-12	2007-08-20	2007-08-21	ATCO	2004	13,800,000	15,048,000	14,260,000	Commissioning in-progress

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
425	Enmax No. 6 Substation	New 138 kV distribution point of delivery	DFO Load Growth	2004-09-08	2005-03-04	2007-03-31		2009-06-30	2009-04-30	ENMAX	2004	6,050,000	5,955,000	8,005,490	Awaiting EUB Approval of P&L Application
432	Nexen/Opti Long Lake 144 kV Connection	144 kV Interconnection	Industrial Interconnection or Expansion	2004-12-21	2005-04-19	2005-10-05	2006-01-25	2006-10-02	2008-03-31	ATCO	2004	7,300,000	7,569,000	7,455,130	Complete - energization authorization issued on Dec. 11, 2007 for Jan. 15, 2008 in-service date. Once commissioning has been completed, the WECC test report will need to be submitted.
433	Fortis Christina Lake	New 240/25 kV Substation (40 MW load), 240 kV modifications to Leismer substation, 25km of 240 kV line.	DFO 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 Pipeline Mitigation Outstanding. Final costs expected by June 30, 2008.
										ATCO	2007		918,000	850,000	
437	Brintnell Transformer Upgrade	Install two 25kV breakers, a bus tie MOD, and a 25kV gangswitch complete with protection and control. Relocate spare 260-25kV LTC transformer from Paintearth sub to new bay at Brintnell sub. Relocate high impedance transformer 901T from Brintnell to spare bay at Paintearth. Salvage 42MVA voltage regulator at Brintnell and install a new 30/40/50MVA voltage regulator at Paintearth.	DFO Load Growth	2008-02-20				2009-06-30	2009-06-30	ATCO					Awaiting AUC approval
440	Fortis- New Dry Creek (Airdrie) Sub	New 138/25 kV Substation and transmission line	DFO Load Growth	2004-12-23	2005-05-13	2006-11-22	2007-03-16	2008-10-01	2008-06-01	AML	2004	7,000,000	11,500,000	11,500,000	Under construction
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.	Industrial Interconnection or Expansion	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	14,224,871	Complete - Awaiting Final Costs. Pipeline Mitigation Outstanding. Final costs expected by June 30, 2008.
454	Fortis-Ross Creek 906S Capacity Increase	New 30/40/50 MVA LTC Transformer addition.	DFO Load Growth	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	2,947,454	Final Costs received on 2008-01-11 and under review. Awaiting project close-out.

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
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	DFO Load Growth	2006-06-30	2006-10-02			2009-05-01	2009-05-01	AML			1,980,000	1,980,000	Direction to file facility application issued
										ENMAX	2008	13,120,000	14,630,346	14,630,346	
459	Suncor Chin Chute Wind Farm	20km of 138 kV transmission line.	Wind Generation Addition or Upgrades	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	5,516,000	Complete - Awaiting Final Project Closeout. Model Validation test report outstanding.
461	Suncor Firebag Co-Gen	Transmission facilities to interconnect 85 MW of Gas Turbine Co-generation	Natural Gas Fired Generation Addition or Upgrades					2006-12-19	2007-02-07						No TFO work required. Energization Certificate issued on Jan 05, 2007 Commissioning Certificate issued on July 19, 2007. Awaiting final technical data.
462	Castle Rock Wind Farm	Transmission Facilities to accommodate 115MW Wind Farm	Wind Generation Addition or Upgrades					2009-12-31	2009-12-31	AML					Planning Stage.
473	BA Energy Heartland Project	New point of interconnection for the Heartland upgrader project to service 35 MW of load	Industrial Interconnection or Expansion	2006-06-23	2006-07-18	2006-11-14	2007-06-19	2007-10-30	2007-12-20	AML	2005	11,669,919	9,700,000	11,360,000	Energized.
475	Syncrude G11, G12, G21 Upgrade	Syncrude G11, G12 & G21 generators	Natural Gas Fired Generation Addition or Upgrades	2005-05-10	2005-11-07	2006-07-18	2006-07-18	2006-05-01	2007-02-10						G12 & G21 Complete. Energization Certificate for G11 issued on Feb 15, 2006. Commissioning of G11 halted due to steam supply issue.
476	Kinder Morgan Watson Creek 104S	20 km of 138 kV transmission lines and a 138/4.16 kV substation.	Industrial Interconnection or Expansion	2006-05-15	2006-06-09	2006-08-23	2006-10-31	2007-03-01	2008-01-01	AML	2005	8,000,000	11,900,000	13,000,000	Complete. Awaiting final costs
477	Kinder Morgan Bilby 105S	New 138 kV transmission tap.	Industrial Interconnection or Expansion	2006-05-15	2006-06-09	2006-08-02	2006-09-26	2007-03-01	2007-01-22	AML	2005	360,000	830,000	830,000	Complete - awaiting final costs
478	Kinder Morgan Paddle River 106S	0.1km of 138 kV transmission line and 138/4.16 kV substation.	Industrial Interconnection or Expansion	2006-01-30	2006-06-16	2006-08-02	2006-09-06	2007-03-01	2007-05-03	AML	2005	4,100,000	4,200,000	4,550,000	Complete - awaiting final costs

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
479	Wild Rose Wind Farm	Transmission Facilities to interconnect West Windeau Inc. a proposed 200 MW Wind Farm	Wind Generation Addition or Upgrades	2005-05-19				2010-12-31	2009-06-15	AML					Facilities application filing pending.
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.	Coal Fired Generation Addition or Upgrades					2007-09-13	2007-09-13						TransAlta executing modifications to Sundance #4 unit.
482	Montana Alberta Tie (MATL)	Build new substation 6 km north of Lethbridge including 3-240 kV breakers in ring configuration and 1km of D/C 240kV line to accommodate MATL interconnection.	Merchant Line	2006-04-22	2008-01-31	2006-12-13	2008-01-31	2009-03-30	2009-03-31	AML	2006	7,834,445	9,200,000	9,200,000	EUB approved with conditions 31/01/08.
487	ATCO Updike 762S	30km of new 138 kV transmission line and new 144/2 5kV substation.	DFO Load Growth	2006-05-25	2006-08-30	2006-10-17		2007-03-31	2008-09-01	ATCO	2005	5,956,000	8,998,000	9,028,000	ATCO re-filing of P&L scheduled for March 14, 2008
489	Olds 55S - 25 kV breaker addition	Add a 25 kV breaker	DFO Load Growth	2006-04-18	2006-05-10	2007-01-07	2007-02-13	2006-10-31	2007-09-15	AML	2005	484,000	577,699	577,699	Awaiting final cost
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.	DFO Load Growth	2006-04-20	2006-05-12	2006-12-19	2007-01-17	2007-05-31	2007-09-30	ATCO	2006	2,679,000	2,837,000	2,837,000	Complete - Awaiting Final Costs
496	Suncor Firebag Stage 3	2 New Co-Gen Plants, new 260 kV transmission Line	Natural Gas Fired Generation Addition or Upgrades					2009-05-15	2009-05-15						No TFO Work Anticipated
500	Transalta Keephills 3	The addition of 2 - 500 kV breakers and completion of 500 kV main bus and two diameters. Interconnection of Keephills 3 generator to one of the 500 kV diameters.	Coal Fired Generation Addition or Upgrades	2008-01-13				2010-02-01	2010-02-01	AML	2010	8,907,907		10,186,433	Awaiting AUC approval
										EPCOR	2010	115,282		115,282	
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.	DFO Load Growth	2006-04-20	2006-05-12			2008-12-31	2008-03-01	ATCO	2007	2,300,000	3,789,000		Direct assigned to ATCO. ATCO plans to file Facility Application June 1, 2008.

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
506	New CloverBar 25 kV supply	Establish 25 kV supply at CloverBar for EDI	DFO Load Growth	2006-08-22	2006-10-12	2007-01-19	2007-03-12	2008-06-01	2008-12-01	EPCOR	2006	7,800,000	8,800,000	8,860,000	Construction in-progress
509	Yagos 100 MW Wind Farm near Goose Lake 103S	Transmission Facilities to interconnect a 100 MW Wind Farm located near Pincher Creek. Plans indicate connection to Goose Lake.	Wind Generation Addition or Upgrades					2999-12-01	2999-12-01	AML	2007	10,043,787		10,043,785	Planning Stage. Will require new NID estimates and Customer Proposal.
510	HWY 785 Wind Farm	Transmission Facilities to accommodate 235MW Wind Farm	Wind Generation Addition or Upgrades					2999-12-31	2999-12-31	AML					Planning Stage.
519	Old Man River Wind Farm	Addition of transmission line, T-tap and customer owned substation to 46 MW Wind Farm	Wind Generation Addition or Upgrades					2009-12-31	2009-12-31	AML	2006	9,336,476		9,336,476	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	2007-10-31	AML	2006	301,500	244,020	244,020	Complete. Awaiting final costs.
524	Riverview Wind Farm	Transmission Facilities to accommodate 115MW Wind Farm	Wind Generation Addition or Upgrades					2999-12-31	2999-12-31	AML					Awaiting AUC approval
526	Fortis - TransCanada Keystone Pumpstation #1	Supply to new TransCanada Pumpstation #1. Build Lakesend 508S. 22km 144kV line from Ribstone Creek 892S	Industrial Interconnection or Expansion	2007-11-14				2009-09-15	2009-09-15	AML	2006	10,129,404		10,129,404	Interconnection Proposal - BP Intervention - April 15, 2008. Planning working on it.
										ATCO		4,067,000		4,067,000	
527	ATCO Electric - TransCanada Keystone Pumpstation #2	Supply to new TransCanada Pumpstation #2	Industrial Interconnection or Expansion	2007-11-14				2009-08-15	2009-08-15	ATCO	2006	5,059,000		5,059,000	Awaiting AUC approval
528	Keystone Pump Station #3	Supply to new TransCanada Pumpstation #3	Industrial Interconnection or Expansion	2007-11-14				2009-08-15	2009-08-15	ATCO	2006	3,903,000		3,903,000	Awaiting AUC approval
529	Keystone Pump Station #4	Supply to new TransCanada Pumpstation #4	Industrial Interconnection or Expansion	2007-11-14				2009-09-01	2009-09-01	AML		75,158		75,158	Awaiting AUC approval
										ATCO	2006	5,803,000		5,803,000	
530	ATCO Weyerhaeuser Capacity Increase	Capacity Increase - 25/33/42 MVA LTC 144/13.8kV transformer addition	Industrial Interconnection or Expansion	2007-01-24	2007-02-16	2007-05-01	2007-05-17	2007-05-01	2007-12-31	ATCO	2006	2,983,000	3,124,000	3,405,000	Energized on December 18, 2007. Awaiting final costs prior to project close out.

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
531	Syncrude 2nd 260 kV transmission line from DO5 to Aurora	Syncrude 2nd 260 kV transmission line from DO5 to Aurora.	Behind The Fence	2006-09-19	2006-10-12	2006-11-09	2006-11-14	2007-03-01	2008-09-01	ATCO	2006	165,000	216,000	216,000	Construction in-progress, expected completion date of early Q3 2008.
532	Shell Caroline 378S add 20 MW generator	Shell will add a 28 MVA steam generator to supply their own plant load.	Natural Gas Fired Generation Addition or Upgrades	2007-08-02	2007-08-22	2007-08-02	2007-08-22	2007-09-05	2008-05-01	AML		108,450	124,375	124,375	Shell commissioning new generator. Waiting for generator test data before issuing Commissioning Certificate
551	Lafarge Exshaw Load Increase	Installation of third transformer. SCADA and P&C will need to be upgraded to current AESO standards.	Industrial Interconnection or Expansion			2006-07-25	2006-08-30	2007-03-15	2007-12-31	AML					Energization Authorization issued on October 17, 2007. Waiting for SCADA deficiency to be rectified prior to closing out project.
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	DFO Load Growth	2006-07-25	2006-08-18	2007-07-31	2007-10-16	2008-04-01	2008-04-01	ATCO	2006	2,252,496	2,425,000	2,425,000	Project Closure Stage
561	Husky Sunrise	Install about 44 km of single circuit 240 kV transmission line (9L26) from Muskeg River area to the Black Fly 934S (ATCO Owned Station) and 4 km of double circuit 240 kV transmission line to Sunrise 925S (Husky Owned).	Industrial Interconnection or Expansion	2007-05-23	2007-11-22			2010-04-01	2010-04-01	ATCO	2010	75,419,620	79,661,000	79,661,000	Facility application preparation stage
563	PetroCanada Fort Hills	Transmission facilities to interconnect Bitumen Extraction Mine and Processing Facility	Industrial Interconnection or Expansion	2007-05-08	2007-11-22			2009-04-01	2009-04-01	ATCO	2009	11,501,020	12,199,000	12,199,000	Facility application preparation stage
579	Bowron 674S Upgrade	Upgrade the distribution capacity at Bowron 674S by adding a second transformer.	DFO Load Growth	2007-01-26	2007-02-16	2007-08-16	2007-08-22	2009-06-08	2009-06-08	Leth.	2006	2,192,970	2,410,504	2,410,504	Under construction
583	Shell Albian Muskeg River Mine	Expansion of operations due to the Jack Pine development by Shell.	Industrial Interconnection or Expansion	2007-12-20	2008-02-12	2008-04-09		2008-09-23	2008-05-01	ATCO	2008	600,000	600,000	600,000	Awaiting AUC approval.
584	Fortis South Leduc New Sub	South Leduc New 138/25kV Substation proposed to serve the load growth in the area.	DFO Load Growth	2008-01-14				2009-03-01	2009-03-01	AML		21,086,684			Awaiting AUC approval

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
585	Fortis Broadmoor 420S 138/25 kV Station	Urban 138 kV interconnection.	DFO Load Growth	2008-01-14				2009-06-10	2009-06-10	AML	2006	11,395,402		11,395,402	Awaiting AUC approval
587	Waupisoo 405S Substation	Enbridge Waupisoo Midpoint Pump Station Connection	DFO Industrial	2007-04-19	2007-11-09	2007-11-21	2008-01-16	2008-05-30	2008-05-30	AML		9,879,588	10,545,000	10,545,000	Under construction
592	Fortis - Air Products Edmonton Hydrogen Plant	Additional 138/4.16 kV 15/20/25 MVA transformer at Bretville 185S	DFO Industrial	2007-01-10	2007-02-12	2007-04-13	2007-06-04	2008-03-01	2008-01-04	AML	2006	1,800,000	1,827,500	1,827,500	Facility energized. Awaiting for final costs.
593	EPCOR CloverBar Peaker	Substation additions at CloverBar substation First Phase generation (40 MW) connected to existing 72 kV breaker	Natural Gas Fired Generation Addition or Upgrades	2006-11-27	2007-03-06	2007-03-15	2007-04-27	2007-07-01	2008-11-01	EPCOR	2006	2,330,000	2,231,644	2,231,644	EC issued for Unit 1, commissioning in progress. Second unit in service November 2008 and third unit November 2009.
595	ATCO-North American Oil Sands - Leismer	Transmission Facilities to supply 24 MW of customer load	DFO Industrial	2007-11-06				2009-06-30	2009-07-01	AML					Awaiting AUC approval
										ATCO		21,960,000		21,960,000	
613	ATCO-Mariana Sub 833S	25 kV Regulator Addition	DFO Load Growth	2006-09-29	2006-10-24	2007-02-01	2007-03-02	2007-06-30	2007-06-01	ATCO	2007	276,000	407,000	407,000	Final Costs received and being reviewed.
618	ATCO-Bridge Creek 798S	25/33/42 MVA transformer replacement at the Bridge Creek 798S substation	DFO Load Growth	2006-09-29	2006-10-24	2006-12-19	2007-01-19	2007-07-15	2007-07-15	ATCO	2007	1,689,000	1,876,000	1,876,000	Complete - Awaiting Final Costs.
619	Transalta Keephills 3 - Station Service	Addition of a 138 kV supply for Keephills 3 interconnection; install a 138 kV breaker at Keephills 320P and construction of a 138 kV line to Keephills 3 generator site.	Industrial Interconnection or Expansion	2008-02-13				2009-05-29	2009-05-29	AML	2009	3,004,160		3,004,160	Awaiting AUC approval
620	EPCOR-Petrolia Breaker P84	15 kV breaker addition	DFO Load Growth	2006-09-29	2006-10-24	2006-11-20	2007-01-12	2007-11-15	2008-02-01	EPCOR	2006	62,000	52,443	52,443	Awaiting final cost.
624	Imperial Oil-DAT Expansion	Expansion of Imperial Oil Cold Lake facility. Build a new 144/25 kV Transmission line and a 144/25 kV Substation within Imperial Cold Lake ISD.	Industrial Interconnection or Expansion	2007-04-18	2007-06-11	2007-07-30	2007-08-09	2008-05-20	2008-05-20	ATCO		1,226,400	1,226,400	1,226,400	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
630	ENMAX No. 37 Feeder Addition	Addition of one feeder originating at No. 37 Substation.	DFO Load Growth	2007-08-14	2007-09-14			2008-10-31	2008-10-01	ENMAX		497,000	607,921	497,000	Facility application filing pending
637	Fortis Tilley 498S Transformer and Breaker Addition	Install a second 138 kV/25 kV supply transformer and 25 kV feeder.	DFO Load Growth					2008-10-07	2008-10-07	AML		3,848,931	3,935,000	3,848,931	Awaiting AUC approval
643	Enmax No. 9 Transformer Upgrades	Upgrade the 2 existing 28 MVA transformers to 2 - 50 MVA transformers at the Enmax No. 9 Substation	DFO Load Growth	2007-03-16	2007-04-16	2008-03-06		2009-03-31	2009-06-30	ENMAX		5,214,131		5,214,131	Awaiting AUC approval
645	FortisAlberta Suffield 25 kV Breaker Add	Addition of a 25 kV breaker at Suffield 895S	DFO Load Growth	2007-01-04	2007-02-16	2007-03-26	2007-04-04	2007-09-30	2007-09-30	AML	2006	381,000	220,000	220,000	Complete - Awaiting Final Costs
648	FortisAlberta Sylvan Lake New Substation	New 138/25 kV Substation	DFO Load Growth	2007-11-01				2007-12-01	2009-02-15	AML	2007	15,162,375	11,093,000	15,162,375	Awaiting AUC Approval of NIF Application.
649	Enbridge Rosyth Transformer Addition	Transformer addition to Enbridge Rosyth 296S.	Industrial Interconnection or Expansion	2007-10-12	2007-11-09	2007-11-20	2007-12-05	2008-04-01	2008-04-01	AML		4,192,917	4,371,000	4,192,917	Construction. Planned ISD May 1, 2008.
650	FortisAlberta Burdett Transformer Addition	Installation of a 25/33/42 MVA, 138/25kV transformer.	DFO Load Growth	2007-10-23	2008-02-21			2008-12-01	2008-12-01	AML	2007	3,949,000	4,359,000	3,949,000	NID Approved.
651	FortisAlberta Balzac Transformer Addition	Installation of a second 138kV/25kV, 25/33/42 MVA supply transformer and two additional 25 kV breakers in Balzac 391S substation.	Joint Filing					2008-10-01	2008-10-01	AML	2007	9,179,404	4,192,000	4,375,654	Planning stage
652	FortisAlberta Stavely Transformer Addition	Replace existing 12/13.5 MVA transformer and 15MVA 25 kV regulator pair with a 15/20/25 MVA LTC transformer.	DFO Load Growth	2007-10-17	2007-11-29	2008-01-11	2008-02-15	2008-06-01	2008-09-01	AML		4,866,136	4,263,000	4,859,137	Under construction
653	FortisAlberta Empress Voltage Regulator replacement	Voltage Regulator replacement	DFO Load Growth	2007-07-24	2007-08-20	2007-09-27	2007-11-09	2007-12-15	2008-02-01	AML		300,000	390,000	390,000	Awaiting final costs

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
654	FortisAlberta Red Deer Breaker Addition	New 25 kV breaker and voltage regulator addition	DFO Load Growth	2007-07-24	2007-08-20	2007-09-26	2007-10-02	2008-03-01	2008-03-01	AML		647,817	600,000	600,000	Awaiting final costs
655	FortisAlberta Devon 14S Conductor Upgrade	Upgrade overhead conductor from 3/0 to 477 MCM	DFO Reliability Requirements	2008-01-28				2006-12-31	2008-10-01	AML	2006	308,474	511,000	24,100	Awaiting PPS (this will be a combined AUC filing).
656	TransAlta Sundance 5 Upgrade	Upgrade existing Sundance Unit 5 to 53 MW of Net Generation	Coal Fired Generation Addition or Upgrades	2007-08-01	2007-09-07			2009-09-01	2009-07-30						No additional Transmission facility required. Planned ISD Aug 6, 2009.
658	Fort Assiniboine Phase 2	Install an additional 138/25 kV 15/20/25 MVA LTC transformer, remove the installed operational spare transformer, and install one 25 kV breaker.	Joint Filing					2008-08-01	2008-10-15	AML	2008	5,652,083		6,347,248	Planning stage
659	IOL Edmonton 95S Increase	Modify 738L - install 3 intermediate transmission structures to increase ampacity.	Industrial Interconnection or Expansion	2007-07-09	2007-08-03	2007-10-25	2007-11-06	2007-05-30	2008-04-30	AML		145,386	143,900	143,900	Construction in progress.
666	ATCO Electric Hangingstone Substation Upgrade	Addition of one 144kV breaker, 1-42 MVA 144/25 kV transformer and 1 25 kV breaker at the ATCO Hangingstone substation.	DFO Load Growth	2007-05-15	2007-06-11	2008-01-14	2008-03-26	2008-06-01	2008-12-01	ATCO	2008	5,341,440	5,075,000	5,075,000	Under construction
667	ATCO Power Valleyview #2	Add 47 MW gas turbine to existing gas peaking facility	Behind The Fence			2007-07-24	2007-11-06	2008-06-01	2008-06-01	ATCO					Behind the fence development
672	Northern Prairie Power Project 90MW Peaking Generator	90 MW Gas turbine peaking power - 144 kV Interconnection to Poplar Hill 790S and system protection and telecommunication changes	Natural Gas Fired Generation Addition or Upgrades	2007-11-14	2007-12-14			2008-09-01	2009-05-07	ATCO		3,703,900	4,283,000	4,283,000	Direct Assign Letter issued to ATCO Mar 11/08
677	ENMAX No. 8 Substation Transformer Increase	Capacity Increase to a 50 MVA Transformer at the ENMAX # 8 Substation	DFO Load Growth	2007-11-05	2008-02-04			2010-04-01	2010-04-01	ENMAX		4,512,949		4,512,949	TFO preparing PPS.
682	Enmax No. 7 Transformer Addition	Transformer addition at Enmax # 7 sub due to load growth	DFO Load Growth	2007-11-05	2007-12-04			2009-12-31	2009-12-31	ENMAX		4,579,183	4,643,000	4,579,183	Direct assign pending

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
683	Kirby In-Situ Oil Sands Plant	Transmission facilities to enable 138kV interconnection of CNRL proposed SAGD Plant	DFO Industrial					2011-12-15	2011-12-15	AML					Planning stage.
685	Acheson 305S 25 kV Breaker Addition	Install two additional 25 kV breakers at the Acheson 305S substation	DFO Load Growth	2007-06-15	2007-07-11	2007-09-26	2007-11-22	2008-01-30	2008-04-25	AML	2007	777,778	760,000	760,000	Construction in progress.
695	Stirling 100 MW Wind Farm	Transmission facilities to supply 100 MW Stirling Wind Farm	Wind Generation Addition or Upgrades					2999-12-31	2999-12-31	AML					Planning Stage
696	Fortis Alberta Boyle 56S Conductor Replacement	Replacement of a conductor at 56S Boyle Sub to meet peak loads	DFO Load Growth	2007-08-21	2007-09-14	2007-12-13	2008-01-09	2008-03-01	2008-02-18	AML	2007	256,309	327,500	223,182	Forecasted final cost received on April 16, 2008. Awaiting final project cost.
698	Fortis Alberta Fort Saskatchewan 25 kV breaker addition	25 kV breaker addition at Fort Saskatchewan 54S Sub.	DFO Load Growth	2007-08-08	2007-09-07	2007-10-17	2008-01-15	2008-05-01	2008-05-01	AML			447,000	537,000	Under construction
700	TransAlta Highvale Mine	Relocation and upgrade of service to dragline	Industrial Interconnection or Expansion	2008-02-22				2009-04-01	2009-04-01	AML		7,662,713		7,662,713	Awaiting AUC approval
702	Fortis Alberta Hardisty Transformer	Build a new System Substation and Install additional 25/33/42 MVA 138/25kV transformer.	DFO Load Growth					2009-07-15	2009-07-15	AML					Waiting for Customer decision.
706	Fortis Alberta Bruderheim Transformer Addition	Addition of a 15/20/25 MVA transformer at Bruderheim	DFO Load Growth	2007-12-10	2008-02-04			2008-12-01	2008-12-01	AML		5,070,962	4,365,000	5,070,962	DA issued on March 6, 2008.
708	Fortis Alberta Blackfalds/Lacombe Upgrade	Addition of a 15/20/25 MVA transformer at Blackfalds and an upgrade from a 15/20 MVA transformer to a 15/20/25 MVA transformer at Lacombe	DFO Load Growth	2008-01-14	2008-03-27			2008-09-01	2008-12-01	AML	2007	4,969,368	5,241,000		ANID filed on Jan. 14, 2008, public notification issued on Feb. 6, 2008.
710	ATCO La Crete Substation	New 144/25 kV Substation in the High Level Area with 66km of 144kV Line	DFO Load Growth					2010-03-01	2010-03-01	ATCO	2007	20,786,000			Planning Stage

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
711	Inter-Pipelines Vermillion Pump Station	Service for 8MW Pump Station in the Vermillion Area	DFO Load Growth					2008-08-01	2009-08-01	AML ATCO					Planning stage
712	ATCO Friedenstal 800S Transformer Addition	A new 144/72/25 kV transformer addition to Friedenstal 800S Substation	DFO Reliability Requirements					2009-10-31	2010-10-12	ATCO					Planning Stage
717	Enbridge Stonefell South Terminal	Transmission Facilities to accommodate a 22MW Enbridge Tank Farm	DFO Load Growth					2010-01-01	2010-01-01						Planning stage
718	Greengate Wintering Hills Wind Project	Transmission Facilities to accommodate a 150MW Greengate Wintering Hills Wind Project	Wind Generation Addition or Upgrades					2010-09-01	2010-09-01						Customer Application Received
720	Fortis Alberta Edgerton Transformer Upgrade	Upgrade 138kV transformer to 15/20/25 MVA LTC	DFO Load Growth					2009-12-01	2009-12-01	AML	2009	2,919,839			Planning stage
721	Fortis Alberta Peace Butte Substation Upgrade	Addition of 138/25kV 15/20/25 MVA transformer and 25 kV breaker at 404 Substation	DFO Load Growth					2008-12-01	2008-12-01	AML	2007	4,397,930			PPS requested on Feb. 19, 2008. This project will be a combined AUC filing.
722	InterPipeline Fund - Linberg Pumpstation	Transmission Facilites to accommodate a 7MW Pumpstation	DFO Load Growth					2009-09-01	2009-12-01	ATCO					Planning stage
726	ATCO Michichi Creek Breaker Addition	25kV breaker additions at Michichi Creek 802S	DFO Load Growth					2009-06-01	2009-06-01	ATCO	2007	831,000			Planning stage
730	120MW ENMAX Crossfield Energy Centre Interconnection	ENMAX 120MW Generation Facility and Associated Substation	Natural Gas Fired Generation Addition or Upgrades	2008-02-28				2009-06-01	2009-06-01	AML	2008	7,137,972			Awaiting AUC approval
733	Blackmud 155S Transformer Addition	Upgrade to 155S including one 138/25kV transformer and two 25kV breakers	DFO Load Growth					2009-12-01	2009-10-01	AML		5,137,973			Planning stage
734	Wainwright 51S Transformer Addition	Fortis Alberta WainWright one 138-25kV Transformer Addition	DFO Load Growth					2009-12-01	2009-12-01	AML		8,006,784			Planning stage

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
778	ATCO Mahihkan Breaker	25kV Breaker Addition	DFO Load Growth					2009-03-01	2009-03-01	ATCO	2007	359,000			Planning stage
779	ATCO Mercer Hill Substation Upgrade	Transformer upgrade	DFO Load Growth					2009-12-31	2009-12-31	ATCO					Planning stage.
792	Fortis Conklin Breaker Addition	25 kV breaker for Fortis at Conklin substation	DFO Load Growth						2008-11-01						Planning stage
801	FortisAlberta Dry Creek Substation Upgrade	Transformer addition & 3 25 kV Breakers	DFO Load Growth						2009-12-01	AML					Planning stage.
804	FortisAlberta Northwest Cardiff Substation Upgrade	transformer addition and 2 25 kV breakers	DFO Load Growth						2009-12-01	AML					Planning stage
805	Greengate Halkirk II Wind Project	wind farm	DFO Industrial						2012-09-30						Planning stage
806	FortisAlberta Hayter Breaker Addition	one 25 kV breaker addition	DFO Load Growth						2009-12-01	AML					Planning stage
808	Enbridge Pipelines Bonnyville Pumpstation	Bonnyville Pumpstation	DFO Industrial						2010-04-01	ATCO					Planning stage
820	Husky Caribou SAGD 144 kV Transmission Project	Construct new 1` 44 kV line and substation ot serve new Husky Caribou load.	DFO Industrial							ATCO					Plainng doing evaluation

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
----------------	--------------	---------------------	------------------	---------------	------------------	---------------	------------------	-------------	------------------------	-----	----------------	------------------	--------------	-------------------	----------------

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 AUC 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 AUC a Need Information Filing (NIF) for information purposes (The AUC will post the NIF on its website for comment, if no comments are received the AUC 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 AUC 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 AUC. For Projects with mutple 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 AUC. For Projects with mutple applications, this is the date the last application is approved.
6. Planned ISD: In coloboration 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 AUC. 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 avalable 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.