

AESO Transmission Customer (Generation & Load) Projects

Date **April 1, 2006**

Please refer to the end of this report for terminology definitions

Project Number	Project Name	TFO	Project Description	Planned ISD	NID or IP Estimate (\$'s x 1000)	NID Filed	NID Approved	PPS Estimate (\$'s x 1000)	P&L Application Filed	P&L Application Approved	Forecast Cost (\$'s x 1000)	Actual or Current Forecast ISD	Project Status
Category A: Projects Greater Than \$10 Million													
343	Bassano Substation	AML	New Bassano 138/25kV substation to serve growing load in the Bassano area.	2005-Jun	\$9,800 (2004 \$)	08-Sep-04	10-May-05	\$12,200	10-Jun-05	1-Dec-05	\$12,200	May, 2006	Direct Assigned to AML.
385	ATCO Terasen Ribstone Creek	ATCO	Install three 138kv breakers at Monitor 744S, construct 60kms of 138kv & establish new 138/4kv POD at Ribstone Creek pumpstation.	2005-Feb	\$11,600 (2004 \$)	15-Apr-04	16-Sep-04	\$13,760	5-Nov-04	16-Feb-05	\$13,760	31-Mar-06	Complete. Awaiting final costs.
387	Terasen - Peace Butte Station	AML	New load of 6MW at Peace Butte Stn. Install two 138kv breakers at Bullshead 523S, construct 25kms 138kv & establish Peace Butte 138/4kv POD.	2005-Mar	\$9,700 (2003 \$)	24-Mar-04	01-Oct-04	\$12,860	25-Oct-04	21-Jan-05	\$11,400	31-Mar-06	Complete. Awaiting final costs.
423	CNRL Horizon Project 240 kV Connection	ATCO	240kV Interconnection to serve Oilsands Load.	2007-Mar	\$13,800 (2004 \$)	22-Dec-04	22-Apr-05	\$15,048	Pending	Pending	\$15,048	2-Apr-07	Direct Assigned to ATCO.
433	Fortis Christina Lake	AML	New 240 / 25kV Substation (40MW load), 240kV modifications to Leismer substation, 25km of 240kV line.	2006-Sep	\$21,600 (2005 \$)	18-Feb-05	28-Jul-05	\$27,994	14-Sep-05	9-Dec-05	\$29,823	15-Sep-06	Direct Assigned to AML and under construction.
440	Fortis- New Dry Creek (Airdrie) Sub	AML	New 138/25kV Substation and transmission line to supply growing Airdrie load.	2005-Dec	\$7,000 (2004 \$)	23-Dec-04	13-May-05	\$10,492	Pending	Pending	\$10,492	01-Jun-07	Direct Assign Pending Substation site acquisition causing delay.
444	MEG Energy 240kV Interconnection	AML	New 240kV line to connect MEG Energy oil sands project in the Christina Lake area.	2006-Sep	\$10,654 (2005 \$)	19-Sep-05	8-Dec-05	\$10,654	19-Sep-05	8-Dec-05	\$15,152	15-Sep-06	Direct Assigned to AML and under construction.
Category B: Projects \$5 Million to \$10 Million													
308	ENMAX 26S substation modifications	ENMAX	ENMAX 26S New Substation Construction to accommodate load growth.	2006-Sep	\$6,350 (2005 \$)	10-Mar-05	25-Nov-05	\$5,450	Pending	Pending	\$5,450	1-Feb-07	Direct Assigned to ENMAX.
333	ENMAX #7 Sub (new)	ENMAX	New 138/25kV substation to accommodate load growth.	2004-Nov	\$4,900 (2003 \$)	03-Feb-04	20-Apr-04	\$5,310	04-May-04	31-May-04	\$5,038	8-Aug-05	Complete. Awaiting Final Costs.
347	Petro Canada new 138/13.8kV substation	AML	New substation 138/13.8kV facilities to accommodate new load.	2005-Aug	\$5,200 (2004 \$)	23-Jun-04	26-Jul-04	\$6,400	19-Nov-04	23-Dec-04	\$5,960	13-Aug-05	Complete. Awaiting Final Costs.
360	Fortis - Viscount (St. Albert)	AML	New substation (138kV/25kV) to accommodate load growth.	2005-Apr	\$5,600 (2004 \$)	23-Jun-04	23-Dec-04	\$4,852	24-Jan-05	9-Mar-05	\$4,786	17-Sep-05	Complete. Awaiting Final Costs.
386	Terasen - Wardlow/Jenner	AML	New load (3 to 6MW) at Jenner Station. 25kv breaker and 25/138kv LTC at Jenner 275S, 25kms 138kv & establish 138/4kv POD at Wardlow pumpstation.	2005-Feb	\$9,100 (2004 \$)	14-Apr-04	02-Nov-04	\$10,350	15-Nov-04	23-Dec-04	\$8,152	31-Mar-06	Complete. Awaiting Final Costs.

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420	Air Products Edmonton Refinery	AML	New substation facilities to supply 15MVA of new load.	2005-Jul	\$5,200 (2004 \$)	29-Jun-04	05-Oct-04	\$6,300	5-Nov-04	20-Dec-04	\$5,820	18-Aug-05	Complete. Awaiting Final Costs.
422	TransCanada Edson Gas	AML	New Marlboro 348S 138/4.16kV Substation to support customer load.	2005-Jun	\$5,350 (2004 \$)	05-Jul-04	19-Oct-04	\$8,220	-	15-Feb-05	\$8,620	12-Dec-05	Complete. Awaiting Final Costs.
425	ENMAX No. 6 Substation	ENMAX	New 138kV distribution point of delivery to address DFO reliability needs.	2006-Jun	\$6,050 (2004 \$)	08-Sep-04	04-Mar-05	\$5,955	Pending	Pending	\$5,955	30-Nov-06	Direct Assigned to ENMAX.
432	Nexen/Opti Long Lake 144 kV Connection	ATCO	Required to supply growing load of Nexen/Opti Long Lake Project.	2006-Apr	\$7,300 (2004 \$)	21-Dec-04	19-Apr-05	\$7,569	5-Oct-05	12-Dec-05	\$7,569	1-May-06	Direct Assign to ATCO Electric.
443	New Whitemud-155S 138/25 kV substation	AML	New 138/25kV substation to support load growth.	2005-Dec	\$4,900 (2005 \$)	22-Oct-04	02-Sep-05	\$7,115	6-Mar-06	Pending	\$7,115	18-Aug-06	Direct Assigned to AML. Facilities Application submitted.
Category C: Projects \$1 Million to \$5 Million													
307	Norcen-812S 144/25 kV Station Upgrade	ATCO	Station upgrade to meet load growth.	2004-Dec	\$1,660 (2004 \$)	21-May-04	09-Aug-04	\$1,620	5-Jul-05	20-Jul-05	\$1,620	06-Feb-06	Complete. Awaiting Final Costs.
341	Briker 880S New Substation	ATCO	New Substation in Lloydminster area to accommodate load growth.	2004-Oct	\$3,200 (2004 \$)	24-Feb-04	09-Aug-04	\$4,600	31-May-05	12-Sep-05	\$4,600	22-Dec-05	Complete. Awaiting Final Costs.
383	Leming Lake - 715	ATCO	Transmission facilities to accommodate 15MW load of SAGD Commercial Project.	2006-Mar	\$3,000 (2004 \$)	15-Nov-04	22-Mar-05	\$3,141	29-Jun-05	18-Jul-05	\$3,141	15-Jun-06	Facilities Under Construction: 2 Stages - customer portion (ISD May 31, 2006), system portion (ISD June 15, 2006).
356	Vision Quest Summerview Windfarm	AML	138kV interconnection to supply 68MW wind farm near Pincher Creek.	2004-May	\$5,330 (2003 \$)	09-Feb-04	22-Apr-04	\$3,836	-	-	\$3,836	1-Sep-04	Complete.
358	Fortis - Bretona Substation	AML	New Substation (138kV/25kV) to accommodate load growth.	2004-Dec	\$4,100 (2004 \$)	26-Mar-04	14-Jun-04	\$4,584	4-Aug-04	3-Dec-04	\$4,836	17-Jun-05	Complete. Awaiting Final Costs.
361	Fortis - Suffield 895S	AML	PH 1 - Regulator upgrade, feeder addition; PH II - transformer and 138 kV breaker additions to meet load growth.	PH 1-Oct, 03 PH 2 - Oct, 04	\$3,400 (2003 \$)	17-Jul-03	12-Sep-03	PH 1 - \$721 PH 2 - \$3,778	5-May-05	21-Oct-05	PH 1 - \$749 PH 2 - \$4,400	PH1-July, 03 PH 2-April 15, 2006	PH 1 Completed; PH 2 Under construction.
375	Blueridge 701S	AML	Transformer and interrupting device upgrade to supply new load.	2006-May	\$2100 (2004 \$)	10-Jun-04	20-Jul-05	\$2,080	6-May-05	7-Jun-05	\$2,273	8-May-06	Facilities under construction.
391	GW Power Soderglen Wind	AML	Transmission facilities to supply 70.5MW Wind Project.	2005-Sep	\$3500 (2005 \$)	06-Jul-05	Pending	\$3,867	Pending	Pending	\$4,022	May, 2006	Direct Assigned to AltaLink
409	East Industrial-E52S Substation 240/25 kV Capacity Increase	EPCOR &AML	Upgrades to existing sub (2nd transformer and 240kV line tap) to improve supply reliability	2006-Jun	\$3,600 (2004 \$)	23-Aug-04	22-Oct-04	EPCOR-\$3,921 AML-\$434	Pending	Pending	EPCOR-\$4,221 AML-\$315	15-Aug-06	Direct Assigned to AltaLink, EPCOR
435	Air Liquide 337S	AML	Transformer addition to support load growth.	2005-Jul	\$1,320 (2004 \$)	27-Aug-04	05-Oct-04	\$2,074	29-Apr-05	1-Jun-05	\$2,065	20-Jul-05	Complete. Awaiting Final Costs.
452	Blumenort 832S Capacity Increase	ATCO	Transformer addition to meet load growth; Capacity increase.	2005-Oct	\$2,116 (2004 \$)	15-Jun-05	15-Dec-05	\$2,259	24-Mar-06	Pending	\$2,259	31-Jul-06	Direct Assigned to ATCO.
454	Fortis-Ross Creek 906S Capacity Increase	AML	Transformer addition to meet load growth.	2006-Apr	\$2,000 (2005 \$)	20-May-05	27-Jul-05	\$2,940	22-Nov-05	17-Jan-06	\$2,940	1-May-06	Facilities under construction.

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467	ATCO Seal Lake 869S Capacity Increase	ATCO	Transformer addition to meet load growth.	2005-Dec	\$2,282 (2005 \$)	13-Sep-05	16-Dec-05	\$2,856	13-Sep-05	16-Dec-05	\$2,856	28-Feb-06	Facilities under construction.
525	ATCO Ruth Lake 848S Capacity Upgrade	ATCO	Transformer addition to meet load growth.	2005-Dec	\$2,000 (2006 \$)	N/A	N/A	\$1,642	Pending	Pending	\$2,856	31-Dec-06	Direct Assigned to ATCO - ATCO to apply for P&L.
Category D: Projects Less than \$1 Million													
179	Kettles Hill Windfarm	AML	138kV interconnection to serve new 63MW wind farm near Pincher Creek.	2005-Dec	\$1,292 (2005 \$)	14-Jul-04	09-Mar-05	\$968	25-Mar-05	08-Jun-05	\$980	15-Dec-05	Phase 1 - Complete on Dec 15, 2005. Phase 2 - 54 MW in Oct/Nov, 2006.
359	Fortis - Chestermere Lake area 25kV breaker additions	AML and Enmax	Two new 25kV feeders sourced from ENMAX substations to accommodate load growth.	2006-Dec	721 (2005 \$)	21-Oct-05	16-Jan-06	AML - \$ 488 ENMAX - \$366	Pending	Pending	AML - \$ 488 ENMAX - \$366	15-Dec-06	Direct assigned
360 Ph 2	Fortis Viscount add 3rd 25 kv breaker	AML	Add 3rd 25kv breaker	31-May-06	190 (2005 \$)	N/A	N/A	\$190	13-Jan-06	1-Feb-06	\$190	31-May-06	Under construction
404	Ross Creek 906S salvage	AML	Salvage TX821, TX822, TX823, TX5 & TX4045. Rebuild temp 13.8kV bus u/g.	2004-Jul	\$280 (2004 \$)	03-May-04	06-May-04	\$393	-	2-Nov-04	\$221	12-May-05	Complete. Final costs under review.
405	Elk Valley Coal	AML	T-tap from 138kV line for Customer Interconnection	2005-Feb	\$185 (2004 \$)	15-Nov-04	17-Dec-04	\$199	1-Feb-05	1-Mar-05	\$199	1-Apr-05	Complete. Awaiting Final Costs.
412	Dome-665S Substation	EPCOR	New 15kV Circuit Breaker to maintain distribution reliability.	2005-Jul	\$69 (2004 \$)	26-May-04	29-Jun-04	\$70	23-Aug-04	16-Sep-04	\$70	18-Jul-05	Complete. Awaiting Final Costs.
413	Garneau Substation	EPCOR	New 15kV Circuit Breaker to maintain distribution reliability.	2004-Jun	\$70 (2004 \$)	30-Apr-04	20-Oct-04	\$70	14-Jun-05	11-Jul-05	\$70	31-Dec-05	Complete. Awaiting Final Costs.
421	North Calder-37S Bkr addition	AML	New 25kV breaker addition at North Calder 37s to accommodate EPCOR load growth.	2005-Sep	\$452 (2004 \$)	23-Jun-04	23-Dec-04	\$478	-	-	\$570	01-Apr-06	Under Construction:
438	Oyen - 767S Substation capacity upgrade	ATCO	Upgrades (fans, regulator).	2004-Nov	\$191 (2004 \$)	24-Aug-04	02-Sep-04	\$191	12-Nov-04	21-Jan-05	\$122	16-May-05	Complete. Final costs under review.
464	Pincher Creek 25kV Voltage Regulator	AML	Replace 25k Voltage regulator to support load growth.	2005-Oct	\$195 (2005 \$)	-	-	\$215	-	-	\$215	19-Jan-06	Complete. Awaiting Final Costs.
443	Nisku Breaker Replacement	AML	25kV breaker replacement at Nisku 149S to avoid overloads.	2005-Oct	\$155 (2005 \$)	-	-	-	27-Sep-05	20-Oct-05	\$155	13-Nov-05	Complete. Awaiting Final Costs.
474	ENMAX 9S 13kV Breaker Additions	ENMAX	Add 2-13kV breakers for new ENMAX feeders	2006-Jul	N/A	N/a	N/A	\$215	05-Dec-05	22-Feb-06	\$215	30-Jun-06	Under construction
486	Mercer Hill-728S substation	ATCO	Add fans to transformer and replace regulator to support load growth.	2005-Nov	\$250 (2005 \$)	30-Sep-05	03-Oct-05	\$306	Pending	Pending	\$306	31-May-06	ATCO to apply for P&L.
511	ATCO Kinosis - 25 kV breaker addition	ATCO	Add a 25 Kv breaker for new ATCO feeder to accommodate growth	01-May-06	\$312 (2006 \$)	N/A	N/A	\$312	Feb - 06	07-Mar-06	\$312	01-May-06	Under construction

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522	Fortis Innisfail Breaker	AML	New 25kV breaker addition at Innisfail 214S to accommodate Fortis load growth	2006-Nov	\$302 (2006 \$)	28-Feb-06	Pending	Pending	Pending	Pending	\$302	29-Nov-06	NID under review
523	Fort Assiniboine 234S	AML	Temporary replacement of existing 7.5MVA transformer with operational spare 25MVA transformer to avoid overloads	2006-June	\$585 (2006 \$)	09-Feb-06	23-Feb-06	Pending	Pending	Pending	\$314	01-Jun-06	PPS under review

Definitions:

ISD: In-Service-Date

PPS: Proposal to Provide Service

NID: Needs Identification Document

IP: Interconnection Proposal

P&L: Permit and License

TFO: Transmission Facility Operator

AML: AltaLink Management Ltd.

EPCOR: EPCOR Transmission

WECC: Western Electric Coordinating Council

(-): Information unavailable at time of publication