

AESO Transmission System Projects - Quarterly Report

Date: December 15, 2005

Please refer to the end of this report for terminology definitions

Project Number	Project Name	TFO	Project Description & Need	Planned ISD	NID 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 Forecast ISD	Project Status
Category A: Projects Greater Than \$10 Million													
246	Cordell-Metiskow / Hansman Lake	ATCO & AML	Project is required to maintain reliability of supply to growing load in the Metiskow/Provost area. Facilities involve a new 105km - 240kV line from Cordell to Metiskow, 240kV breaker additions at Cordell and the new 240/138kV Hansman Lake substation.	2004-Aug	\$35,000 (2003 \$)	07-Aug-03	24-Feb-04	\$36,260	03-Aug-04	18-May-05	\$43,800	20-Dec-05	Facilities under construction.
301	Michichi Creek/Three Hills	ATCO	Project required to maintain reliability of supply to growing load in the Drumheller/Three Hills area. Facilities include a 70km-138kV transmission line from Michichi Creek to Three Hills, substation modifications at Michichi Creek and Three Hills and salvage of some existing 72kV circuits.	2004-Jun	\$9,530 (2003\$)	07-Aug-03	05-Mar-04	\$14,100	24-Mar-05	29-Jun-05	\$14,000	13-Feb-06	Facilities under construction.
388	500kV North/South Transmission Line	AML & EPCOR	Project required to relieve congestion and maintain reliability. Part 1-South-KEG 500 kV Conversion.	2007-Oct	\$39,872 (2004 \$)	10-May-04	22-Apr-05	Pending	Pending	Pending	\$39,872	2007-Oct	Work initiated with AML and EPCOR. AESO has filed a transformer amendment with the EUB.
388	500kV North/South Transmission Line	AML & EPCOR	Project required to relieve congestion and maintain reliability. Part 2-Genesee to Langdon 500kV Line.	2009-Sep	\$299,124 (2004 \$)	10-May-04	22-Apr-05	Pending	Pending	Pending	\$299,124	2009-Sep	Work initiated with AML and EPCOR. Line routing and landowner consultation is underway.
416	SW 240kV Transmission	AML	Project required to provide access for growing wind generation in the Pincher Creek area. Goose Lake to Peigan and Peigan to N. Lethbridge 240 kV lines and upgrades of existing 138 kV stations.	2006-Apr	\$70,700 (2004 \$)	31-Mar-04	17-May-05	\$91,035	Pending	Pending	\$91,839	28-Feb-07	Direct Assigned to AML.
466	Downtown Edmonton 240 kV Supply	EPCOR	Project is required to maintain reliability to downtown Edmonton. Facilities include a 240kV cable from Castle Downs to Victoria Substation.	2008-Q1	\$34,900 (2005 \$)	08-Apr-05	14-Jul-05	Pending	Pending	Pending	\$34,900	1-Jun-08	Direct Assign Pending.

Project Number	Project Name	TFO	Project Description & Need	Planned ISD	NID 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 Forecast ISD	Project Status
Category B: Projects \$5 Million to \$10 Million													
434	Calgary Area Capacitor Banks	AML	New capacitor banks in the Calgary area to meet reliability requirements. Located at Sarcee, East Calgary and Janet substations.	2006-Feb	\$8,900 (2004 \$)	25-Nov-04	08-Jun-05	\$8,588	15-Sep-05	20-Oct-05	\$8,588	28-Feb-06	Janet currently under construction, ISD Dec 30, 2005.
Category C: Projects \$1 Million to \$5 Million													
447	788L Upgrade	AML	Upgrade 138kV line between Lac LaBiche and Heart Lake to meet ratings requirements.	2005-Mar	\$1,352 (2004 \$)	01-Dec-04	15-Feb-05	\$1,352	18-Feb-05	02-Mar-05	\$1,868	14-Nov-05	Facilities under construction.
Category D: Projects Less than \$1 Million													
255	AESO - PMU Installation at Sundance 310P	AML	WECC reliability requirement. Installation of Phasor Measurement Unit to meet power system monitoring needs.	2004-Dec	\$139 (2004 \$)	16-Apr-04	03-Jun-04	\$139	-	-	\$320	30-Jun-05	PMU in service. Communication link to AESO to be installed.
256	AESO - PMU Installation at Langdon 102S	AML	WECC reliability requirement. Installation of Phasor Measurement Unit to meet power system monitoring needs.	2004-Dec	\$168 (2004 \$)	16-Apr-04	03-Jun-04	\$168	-	-	\$218	30-Jun-05	PMU in service. Communication link to AESO to be installed.
257	AESO - PMU Installation at Amoco Empress 163S	AML	WECC reliability requirement. Installation of Phasor Measurement Unit to meet power system monitoring needs.	2004-Dec	\$129 (2004 \$)	16-Apr-04	03-Jun-04	\$129	-	-	\$181	30-Jun-05	PMU in service. Communication link to AESO to be installed.
379	Lethbridge - Close Eastern Loop	AML	Lethbridge - close eastern 138kV Loop for reliability.	2005-Dec	\$245 (2005 \$)	24-Feb-05	28-Apr-05	\$319	22-Aug-05	18-Oct-05	\$344	2006-Feb	Direct Assigned to AML.
431	Janet Capacitor Bank Breaker	AML	New 138kV Capacitor Bank Breaker to maintain reliability	2004-Dec	\$518 (2004 \$)	17-May-04	29-Jul-04	\$334	-	18-Feb-05	\$365	13-Mar-05	Complete. Awaiting Final Costs.

Definitions:

ISD: In-Service-Date
PPS: Proposal to Provide Service
NID: Needs Identification Document
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