

Bipole III - Western Routed HVdc T/L and 2000MW Converters
Calculation of CPJ Addendum Amounts based on the Revised Estimate (Summer 2010)
(in thousands of dollars)

Prepared by: Transmission BU

IM Node WBS	COMPLEX DESCRIPTION FOR CEF Project Description	REVISED ESTIMATE Summer 2010	Increase (Decrease) vs. APPROVED BUDGET [Amount to explain under each CPJ Addendum]			
		Total Net (In-service Cost)	Base *	Contingency	Inf. & Esc	Total Net (In-service Cost)
1.5.2.1.1	BIPOLE III - LICENSING & PROPERTIES	187,732	37,381	17,278	9,523	64,182
P:04221	Licensing & Environmental Assessment	117,490	2,544	13,312	8,766	24,622
P:14363	Property - Riel Converter Station	18,800	18,742	-	57	18,800
P:14518	Property - BPIII Transmission Line	34,948	5,303	3,966	(5,003)	4,266
P:15533	Property - Keewatinoow Converter Station	63	60	-	3	63
P:15537	Property - Keewatinoow Collector Lines	536	522	-	14	536
P:15696	Property - Keewatinoow Electrode Line & Station	201	148	-	52	201
P:15697	Property - Riel Electrode Line & Station	15,696	10,061	-	5,635	15,696
1.5.2.1.2.1	BIPOLE III - TRANSMISSION LINE	1,209,958	107,774	116,001	27,809	251,584
P:10155	Western Route 500kV Transmission Line	1,206,127	106,691	116,001	25,647	248,339
P:04218	Eastern Route 500kV T/L (sunk costs)	3,831	1,084	-	2,162	3,246
1.5.2.1.3.1	KEEWATINOOW CONVERTER STATION	947,984	152,719	218,650	110,325	481,695
P:15540	Keewatinoow Converter Station	938,346	152,474	217,000	108,264	477,738
P:15542	Keewatinoow Electrode Line	9,638	245	1,650	2,061	3,956
1.5.2.1.4.1	KEEWATINOOW AC COLLECTOR SYSTEM	294,214	107,317	44,403	61,589	213,309
P:15535	Keewatinoow C.S.-Construction Power	43,458	23,381	5,451	14,626	43,458
P:15536	Keewatinoow 230kV Collector Lines	112,588	30,415	8,952	21,497	60,864
P:15544	Keewatinoow 230kV AC Switchyard	138,168	53,520	30,000	25,467	108,987
1.5.2.1.5.1	RIEL CONVERTER STATION	1,467,169	333,361	292,150	222,940	848,452
P:15541	Riel Converter Station	1,219,636	219,344	266,000	147,357	632,700
P:14364	Riel C.S. & 230kV AC Switchyard Site Development	238,212	111,942	25,000	73,798	210,740
P:15534	Riel R49R T/L Sectionalization	2,493	1,955	-	538	2,493
P:15543	Riel Electrode Line	6,828	121	1,150	1,248	2,519
TOTAL for BIPOLE III		4,107,057	738,553	688,482	432,187	1,859,222

Notes:

- Scope for Bipole III does not include Riel Sectionalization, Riel 230kV Outlet Lines or Protecting for a 2500MW Option
- Revised Estimate Total Net figures include interest and escalation to the 2017 in-service as calculated for that year's CERs.