

APPENDIX B TFO CAPITAL COST ESTIMATES

Project Name & No.	Spirit River New POD		1618	TRANSMISSION PROJECT ESTIMATE SUMMARY
Prepared by:	Atco Electric Transmission			
AACE Class: (future use)	N/A	Estimate Basis	PPS	
High Range	20%	Low Range	-10%	
Date of Estimate:	May 3, 2016	Base Year Used	2016	
	SYSTEM	CUSTOMER	TOTAL	ASSUMPTIONS
TRANSMISSION LINE				
Material	\$ -	\$ 113,063	\$ 113,063	
Labour	\$ -	\$ 510,998	\$ 510,998	
TOTAL TRANSMISSION LINE	\$ -	\$ 624,061	\$ 624,061	
SUBSTATION				
Material	\$ -	\$ 4,683,557	\$ 4,683,557	
Labour	\$ -	\$ 6,503,687	\$ 6,503,687	
TOTAL SUBSTATION	\$ -	\$ 11,187,244	\$ 11,187,244	
TELECOMMUNICATION				
Material	\$ -	\$ 658,320	\$ 658,320	
Labour	\$ -	\$ 277,625	\$ 277,625	
TOTAL TELECOMMUNICATIONS	\$ -	\$ 935,945	\$ 935,945	
OWNERS				
Pre-PPS Cost	\$ -	\$ 134,800	\$ 134,800	
Proposal to Provide Service	\$ -	\$ 282,000	\$ 282,000	
Facility Applications	\$ -	\$ 181,150	\$ 181,150	
Regulatory & Compliance	\$ -	\$ 42,000	\$ 42,000	Includes regulatory review of documents including the monthly AESO progress reports, procurement transactions, change proposals, final cost reports and procurement reports as well as reviews with the AESO Compliance group on procurement audits and with the AUC on Deferral Applications to approve final costs for prudence.
Land Rights - Easements	\$ -	\$ 47,402	\$ 47,402	
Land - Damage Claims	\$ -	\$ -	\$ -	
Land - Acquisitions	\$ -	\$ 65,000	\$ 65,000	
Other	\$ -	\$ -	\$ -	
TOTAL OWNERS COST	\$ -	\$ 752,352	\$ 752,352	
DISTRIBUTED				
Procurement Management	\$ -	\$ 320,000	\$ 320,000	
Project Management	\$ -	\$ 237,900	\$ 237,900	
Construction Management	\$ -	\$ 392,256	\$ 392,256	
Contingency	\$ -	\$ 1,635,700	\$ 1,635,700	
Escalation	\$ -	\$ 271,889	\$ 271,889	Escalation rates of 2.5% for 2017 and beyond
TOTAL DISTRIBUTED	\$ -	\$ 2,857,745	\$ 2,857,745	
SALVAGE				
Transmission Line Labour	\$ -	\$ -	\$ -	
Substation Labour	\$ -	\$ 3,225	\$ 3,225	
Land Remediation and Reclamation	\$ -	\$ -	\$ -	
TOTAL SALVAGE	\$ -	\$ 3,225	\$ 3,225	
OTHER COSTS				
AFUDC	\$ -	\$ -	\$ -	
E&S/Overhead	\$ -	\$ 2,454,086	\$ 2,454,086	The E&S is calculated as 15% of base costs
TOTAL OTHER	\$ -	\$ 2,454,086	\$ 2,454,086	
TOTAL PROJECT	\$ -	\$ 18,814,658	\$ 18,814,658	