


APPENDIX B TFO CAPITAL COST ESTIMATE

Project Name & No.	Sharp Hills Wind Farm New Facility Generator Capacity		P1567	
Prepared by:	ATCO Electric			
AACE Class:	N/A	Estimate Basis	Service Proposal	
High Range	20%	Low Range	-10%	
Date of Estimate:	10-03-2017	Base Year Used	2017	
In Service Date	05/01/2019	In Service Year	2019	
	SYSTEM	PARTICIPANT	TOTAL	ASSUMPTIONS
TRANSMISSION LINE				
Material	\$	- \$	442,524 \$	442,524
Labour	\$	- \$	1,211,393 \$	1,211,393
TOTAL TRANSMISSION LINE	\$	- \$	1,653,917 \$	1,653,917
SUBSTATION				
Material	\$	- \$	3,662,476 \$	3,662,476
Labour	\$	- \$	6,932,788 \$	6,932,788
TOTAL SUBSTATION	\$	- \$	10,595,264 \$	10,595,264
TELECOMMUNICATION				
Material	\$	- \$	148,869 \$	148,869
Labour	\$	- \$	170,867 \$	170,867
TOTAL TELECOMMUNICATIONS	\$	- \$	319,736 \$	319,736
OWNERS				
Pre-SP Cost	\$	- \$	12,045 \$	12,045
Service Proposal	\$	- \$	217,256 \$	217,256
Facility Applications	\$	- \$	496,924 \$	496,924
Regulatory & Compliance	\$	- \$	- \$	-
Land Rights - Easements	\$	- \$	15,399 \$	15,399
Land - Damage Claims	\$	- \$	- \$	-
Land - Acquisitions	\$	- \$	- \$	-
Other	\$	- \$	- \$	-
TOTAL OWNERS COST	\$	- \$	741,624 \$	741,624
DISTRIBUTED				
Procurement Management	\$	- \$	92,635 \$	92,635
Project Management	\$	- \$	163,488 \$	163,488
Construction Management	\$	- \$	323,714 \$	323,714
Contingency	\$	- \$	1,206,700 \$	1,206,700
Escalation	\$	- \$	494,593 \$	494,593
TOTAL DISTRIBUTED	\$	- \$	2,281,130 \$	2,281,130
SALVAGE				
Transmission Line Labour	\$	- \$	- \$	-
Substation Labour	\$	- \$	- \$	-
Telecom Labour	\$	- \$	- \$	-
Land Remediation and Reclamation	\$	- \$	- \$	-
TOTAL SALVAGE	\$	- \$	- \$	-
OTHER COSTS				
AFUDC	\$	- \$	- \$	-
E&S/Overhead	\$	- \$	2,026,917 \$	2,026,917
TOTAL OTHER	\$	- \$	2,026,917 \$	2,026,917
TOTAL PROJECT	\$	- \$	17,618,588 \$	17,618,588

0.0% for 2017, 2.5% for 2018, 5.1% for 2019

Customer will transfer land ownership of New Brigden 2088S site at no cost to ATCO Electric



AESO Project Name & No.	Sharp Hills Wind Farm New Facility Generator Capacity		D.0696/P1567	TRANSMISSION PROJECT ESTIMATE SUMMARY
Prepared by:	AltaLink Management Ltd.			
AACE Class:	3	Estimate Basis	Service Proposal	
High Range	20%	Low Range	-10%	
Date of Estimate:	6-Oct-17	Base Year Used	2017	
In Service Date	1-May-19			
	SYSTEM	PARTICIPANT	TOTAL	ASSUMPTIONS
TRANSMISSION LINE				
Material	\$ -	\$ -	\$ -	
Labour	\$ -	\$ -	\$ -	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TRANSMISSION LINE	\$ -	\$ -	\$ -	
SUBSTATION				
Material	\$ -	\$ 60,000	\$ 60,000	
Labour	\$ -	\$ 189,366	\$ 189,366	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL SUBSTATION	\$ -	\$ 249,366	\$ 249,366	
TELECOMMUNICATION				
Material	\$ -	\$ -	\$ -	
Labour	\$ -	\$ -	\$ -	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TELECOMMUNICATIONS	\$ -	\$ -	\$ -	
OWNERS				
Pre-SP Cost	\$ -	\$ -	\$ -	
Service Proposal	\$ -	\$ 34,352	\$ 34,352	
Facility Applications	\$ -	\$ -	\$ -	
Regulatory & Compliance	\$ -	\$ -	\$ -	
Land Rights - Easements	\$ -	\$ -	\$ -	
Land - Damage Claims	\$ -	\$ -	\$ -	
Land - Acquisitions	\$ -	\$ -	\$ -	
Land - Other	\$ -	\$ -	\$ -	
TOTAL OWNERS COST	\$ -	\$ 34,352	\$ 34,352	
DISTRIBUTED				
Procurement Management	\$ -	\$ 7,385	\$ 7,385	
Project Management	\$ -	\$ 131,673	\$ 131,673	
Construction Management	\$ -	\$ 45,378	\$ 45,378	
Contingency	\$ -	\$ 51,000	\$ 51,000	
Escalation	\$ -	\$ 12,151	\$ 12,151	
TOTAL DISTRIBUTED	\$ -	\$ 247,587	\$ 247,587	
SALVAGE				
Transmission Line Labour	\$ -	\$ -	\$ -	
Substation Labour	\$ -	\$ -	\$ -	
Telecom Labour	\$ -	\$ -	\$ -	
Land Remediation and Reclamation	\$ -	\$ -	\$ -	
TOTAL SALVAGE	\$ -	\$ -	\$ -	
OTHER COSTS				
AFUDC	\$ -	\$ -	\$ -	
E&S/Overhead	\$ -	\$ 45,916	\$ 45,916	
TOTAL OTHER	\$ -	\$ 45,916	\$ 45,916	
TOTAL PROJECT	\$ -	\$ 577,221	\$ 577,221	