

APPENDIX B TFO CAPITAL COST ESTIMATES



Transmission Division
TRANSMISSION PROJECT ESTIMATE SUMMARY

Project Name & No.	Paintearth Wind Power Facility Connection		P1704	
Prepared by:	ATCO Electric			
AACE Class: (future use)	N/A	Estimate Basis	Service Proposal	
High Range	20%	Low Range	-10%	
Date of Estimate:	November,2017	Base Year Used	2017	
In Service Date	07/01/2019	In Service Year \$	2019	
	SYSTEM	CUSTOMER	TOTAL	ASSUMPTIONS
TRANSMISSION LINE				
Material	\$ -	\$ 2,986,407	\$ 2,986,407	
Labour	\$ -	\$ 4,665,655	\$ 4,665,655	
Supply & Install			\$ -	
TOTAL TRANSMISSION LINE	\$ -	\$ 7,652,062	\$ 7,652,062	
SUBSTATION				
Material	\$ -	\$ 2,121,225	\$ 2,121,225	
Labour	\$ -	\$ 4,526,781	\$ 4,526,781	
Supply & Install			\$ -	
TOTAL SUBSTATION	\$ -	\$ 6,648,006	\$ 6,648,006	
TELECOMMUNICATION				
Material	\$ -	\$ 170,534	\$ 170,534	
Labour	\$ -	\$ 110,130	\$ 110,130	
Supply & Install			\$ -	
TOTAL TELECOMMUNICATIONS	\$ -	\$ 280,664	\$ 280,664	
OWNERS				
Pre-SP Cost	\$ -	\$ 343,478	\$ 343,478	
Service Proposal	\$ -	\$ 173,913	\$ 173,913	
Facility Applications	\$ -	\$ 421,719	\$ 421,719	
Regulatory & Compliance	\$ -	\$ -	\$ -	
Land Rights - Easements	\$ -	\$ 641,997	\$ 641,997	
Land - Damage Claims	\$ -	\$ 48,000	\$ 48,000	
Land - Acquisitions	\$ -	\$ 72,280	\$ 72,280	
Other	\$ -	\$ -	\$ -	
TOTAL OWNERS COST	\$ -	\$ 1,701,387	\$ 1,701,387	
DISTRIBUTED				
Procurement Management	\$ -	\$ 130,108	\$ 130,108	
Project Management	\$ -	\$ 301,872	\$ 301,872	
Construction Management	\$ -	\$ 597,252	\$ 597,252	
Contingency	\$ -	\$ 2,114,700	\$ 2,114,700	
Escalation	\$ -	\$ 767,846	\$ 767,846	
TOTAL DISTRIBUTED	\$ -	\$ 3,911,778	\$ 3,911,778	
SALVAGE				
Transmission Line Labour	\$ -	\$ 34,125	\$ 34,125	Includes cost for dismantling and scrapping of wood structures (6) and H Frame on temporary 9L93 bypass
Substation Labour	\$ -	\$ -	\$ -	
Land Remediation and Reclamation	\$ -	\$ -	\$ -	
TOTAL SALVAGE	\$ -	\$ 34,125	\$ 34,125	
OTHER COSTS				
AFUDC	\$ -	\$ -	\$ -	
E&S/Overhead	\$ -	\$ 2,640,990	\$ 2,640,990	
TOTAL OTHER	\$ -	\$ 2,640,990	\$ 2,640,990	
TOTAL PROJECT	\$ -	\$ 22,869,012	\$ 22,869,012	

Project Name & No.	Paintearth Wind Farm RAS		D.0664/P1704
Prepared by:	AltaLink Management Ltd.		
AACE Class: (future use)	3	Estimate Basis	PPS
High Range	20%	Low Range	-10%
Date of Estimate:	November 22, 2017	Base Year Used	2017
	SYSTEM	CUSTOMER	TOTAL
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-PPS cost	\$ -	\$ -	\$ -
Proposal to Provide Service	\$ -	\$ 34,352	\$ 34,352
Facility Applications	\$ -	\$ -	\$ -
Regulatory & Compliance	\$ -	\$ -	\$ -
Land Rights - Easements	\$ -	\$ -	\$ -
Land - Damage Claims	\$ -	\$ -	\$ -
Land - Acquisitions	\$ -	\$ -	\$ -
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