

**APPENDIX B      TFO CAPITAL COST ESTIMATES**

Project Name & No.	Pattern Lanfine North WAGF		P1898		TRANSMISSION PROJECT ESTIMATE SUMMARY
Prepared by:	AltaLink Management Ltd.				
AACE Class: (future use)	3	Estimate Basis	Facility Application		
High Range	20%	Low Range	-10%		
Date of Estimate:	10-Sep-20	Base Year Used	2020		
In Service Date:	30-Sep-22				
	SYSTEM	CUSTOMER	TOTAL	ASSUMPTIONS	
<b>TRANSMISSION LINE</b>					
Material	\$ -	\$ -	\$ -	\$ -	
Labour	\$ -	\$ -	\$ -	\$ -	
Supply & Install	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL TRANSMISSION LINE</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>SUBSTATION</b>					
Material	\$ -	\$ 24,000	\$ 24,000	\$ 24,000	
Labour	\$ -	\$ 292,860	\$ 292,860	\$ 292,860	
Supply & Install	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL SUBSTATION</b>	<b>\$ -</b>	<b>\$ 316,860</b>	<b>\$ 316,860</b>	<b>\$ 316,860</b>	
<b>TELECOMMUNICATION</b>					
Material	\$ -	\$ 68,225	\$ 68,225	\$ 68,225	
Labour	\$ -	\$ 777,543	\$ 777,543	\$ 777,543	
Supply & Install	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL TELECOMMUNICATIONS</b>	<b>\$ -</b>	<b>\$ 845,768</b>	<b>\$ 845,768</b>	<b>\$ 845,768</b>	
<b>OWNERS</b>					
Pre-SP cost	\$ -	\$ 3,050	\$ 3,050	\$ 3,050	
Proposal to Provide Service	\$ -	\$ 58,146	\$ 58,146	\$ 58,146	
Facility Applications	\$ -	\$ 158,563	\$ 158,563	\$ 158,563	
Regulatory & Compliance	\$ -	\$ 2,028	\$ 2,028	\$ 2,028	
Land Rights - Easements	\$ -	\$ 24,817	\$ 24,817	\$ 24,817	
Land - Damage Claims	\$ -	\$ -	\$ -	\$ -	
Land - Acquisitions	\$ -	\$ -	\$ -	\$ -	
Other	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL OWNERS COST</b>	<b>\$ -</b>	<b>\$ 246,605</b>	<b>\$ 246,605</b>	<b>\$ 246,605</b>	
<b>DISTRIBUTED</b>					
Procurement Management	\$ -	\$ 19,130	\$ 19,130	\$ 19,130	
Project Management	\$ -	\$ 333,438	\$ 333,438	\$ 333,438	
Construction Management	\$ -	\$ 121,969	\$ 121,969	\$ 121,969	
Contingency	\$ -	\$ 111,500	\$ 111,500	\$ 111,500	
Escalation	\$ -	\$ 61,548	\$ 61,548	\$ 61,548	
<b>TOTAL DISTRIBUTED</b>	<b>\$ -</b>	<b>\$ 647,585</b>	<b>\$ 647,585</b>	<b>\$ 647,585</b>	
<b>SALVAGE</b>					
Transmission Line Labour	\$ -	\$ -	\$ -	\$ -	
Substation Labour	\$ -	\$ 7,500	\$ 7,500	\$ 7,500	
Telecom Labour	\$ -	\$ -	\$ -	\$ -	
Land Remediation and Reclamation	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL SALVAGE</b>	<b>\$ -</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	
<b>OTHER COSTS</b>					
AFUDC	\$ -	\$ -	\$ -	\$ -	
E&S/Overhead	\$ -	\$ 217,940	\$ 217,940	\$ 217,940	
<b>TOTAL OTHER</b>	<b>\$ -</b>	<b>\$ 217,940</b>	<b>\$ 217,940</b>	<b>\$ 217,940</b>	
<b>TOTAL PROJECT</b>	<b>\$ -</b>	<b>\$ 2,282,258</b>	<b>\$ 2,282,258</b>	<b>\$ 2,282,258</b>	



Transmission Division  
**TRANSMISSION PROJECT COST SUMMARY**

AESO Project Name & No.	Lanfine North Wind Power Project Connection		P1898	Transmission Project Estimate Summary
Prepared by:	ATCO Electric			
AACE Class:		Estimate Basis	Service Proposal	
High Range	20%	Low Range	-10%	
Date of Estimate:	29/05/2020	Base Year \$	2020	
In Service Date	30-Sep-22	In Service Year \$	2022	
	SYSTEM	Customer	TOTAL	ASSUMPTIONS
<b>TRANSMISSION LINE</b>				
Material	\$ -	\$ 1,392,762	\$ 1,392,762	
Labour	\$ -	\$ 3,870,198	\$ 3,870,198	
Supply & Install	\$ -	\$ -	\$ -	
<b>TOTAL TRANSMISSION LINE</b>	<b>\$ -</b>	<b>\$ 5,262,960</b>	<b>\$ 5,262,960</b>	
<b>SUBSTATION</b>				
Material	\$ -	\$ 360,553	\$ 360,553	
Labour	\$ -	\$ 784,293	\$ 784,293	
Supply & Install	\$ -	\$ -	\$ -	
<b>TOTAL SUBSTATION</b>	<b>\$ -</b>	<b>\$ 1,144,846</b>	<b>\$ 1,144,846</b>	
<b>TELECOMMUNICATION</b>				
Material	\$ -	\$ 18,565	\$ 18,565	
Labour	\$ -	\$ 52,198	\$ 52,198	
Supply & Install	\$ -	\$ -	\$ -	
<b>TOTAL TELECOMMUNICATIONS</b>	<b>\$ -</b>	<b>\$ 70,763</b>	<b>\$ 70,763</b>	
<b>OWNERS</b>				
Pre-SP Cost	\$ -	\$ 72,311	\$ 72,311	
Service Proposal	\$ -	\$ 210,890	\$ 210,890	
Facility Applications	\$ -	\$ 1,023,417	\$ 1,023,417	
Regulatory & Compliance	\$ -	\$ 10,000	\$ 10,000	
Land Rights - Easements	\$ -	\$ 298,377	\$ 298,377	
Land - Damage Claims	\$ -	\$ 54,000	\$ 54,000	
Land - Acquisitions	\$ -	\$ -	\$ -	
Land - Other	\$ -	\$ -	\$ -	
<b>TOTAL OWNERS COST</b>	<b>\$ -</b>	<b>\$ 1,668,995</b>	<b>\$ 1,668,995</b>	
<b>DISTRIBUTED</b>				
Procurement Management	\$ -	\$ 117,213	\$ 117,213	
Project Management	\$ -	\$ 328,985	\$ 328,985	
Construction Management	\$ -	\$ 636,265	\$ 636,265	
Contingency	\$ -	\$ 784,400	\$ 784,400	
Escalation	\$ -	\$ 195,519	\$ 195,519	
<b>TOTAL DISTRIBUTED</b>	<b>\$ -</b>	<b>\$ 2,062,382</b>	<b>\$ 2,062,382</b>	
<b>SALVAGE</b>				
Transmission Line Labour	\$ -	\$ -	\$ -	
Substation Labour	\$ -	\$ 10,080	\$ 10,080	
Telecom Labour	\$ -	\$ -	\$ -	
Land Remediation and Reclamation	\$ -	\$ -	\$ -	
<b>TOTAL SALVAGE</b>	<b>\$ -</b>	<b>\$ 10,080</b>	<b>\$ 10,080</b>	
<b>OTHER COSTS</b>				
AFUDC	\$ -	\$ 933,917	\$ 933,917	
E&S	\$ -	\$ 1,328,603	\$ 1,328,603	
<b>TOTAL OTHER</b>	<b>\$ -</b>	<b>\$ 2,262,520</b>	<b>\$ 2,262,520</b>	
<b>TOTAL PROJECT</b>	<b>\$ -</b>	<b>\$ 12,482,546</b>	<b>\$ 12,482,546</b>	