

TFO COST ESTIMATES

TRANSMISSION PROJECT COST SUMMARY

AESO Project Name & No.	P2421 RESC Big Sky Solar			
Prepared by:	ATCO Electric			
AACE Class:		Estimate Basis	Service Proposal	
High Range	20%	Low Range	-10%	
Date of Estimate:	17/05/2022	Base Year \$	2022	
In Service Date	01/1/2024	In Service Year \$	2024	
	SYSTEM	PARTICIPANT	TOTAL	ASSUMPTIONS
TRANSMISSION LINE				
Material	\$	-	\$ 291,723	\$ 291,723
Labour	\$	-	\$ 588,152	\$ 588,152
Supply & Install	\$	-	\$ -	-
TOTAL TRANSMISSION LINE	\$	-	\$ 879,875	\$ 879,875
SUBSTATION				
Material	\$	-	\$ 168,596	\$ 168,596
Labour	\$	-	\$ 851,935	\$ 851,935
Supply & Install	\$	-	\$ -	-
TOTAL SUBSTATION	\$	-	\$ 1,020,531	\$ 1,020,531
TELECOMMUNICATION				
Material	\$	-	\$ 176,683	\$ 176,683
Labour	\$	-	\$ 118,667	\$ 118,667
Supply & Install	\$	-	\$ -	-
TOTAL TELECOMMUNICATIONS	\$	-	\$ 295,350	\$ 295,350
OWNERS				
Pre-SP Cost	\$	-	\$ 16,199	\$ 16,199
Service Proposal	\$	-	\$ 28,574	\$ 28,574
Facility Applications	\$	-	\$ 139,133	\$ 139,133
Regulatory & Compliance	\$	-	\$ -	-
Land Rights - Easements	\$	-	\$ 33,045	\$ 33,045
Land - Damage Claims	\$	-	\$ 3,000	\$ 3,000
Land - Acquisitions	\$	-	\$ -	-
Land - Other	\$	-	\$ -	-
TOTAL OWNERS COST	\$	-	\$ 219,951	\$ 219,951
DISTRIBUTED				
Procurement Management	\$	-	\$ 13,567	\$ 13,567
Project Management	\$	-	\$ 107,502	\$ 107,502
Construction Management	\$	-	\$ 88,313	\$ 88,313
Contingency	\$	-	\$ 258,800	\$ 258,800
Escalation	\$	-	\$ 65,627	\$ 65,627
TOTAL DISTRIBUTED	\$	-	\$ 533,809	\$ 533,809
SALVAGE				
Transmission Line Labour	\$	-	\$ 2,500	\$ 2,500
Substation Labour	\$	-	\$ 2,500	\$ 2,500
Telecom Labour	\$	-	\$ -	-
Land Remediation and Reclamation	\$	-	\$ -	-
TOTAL SALVAGE	\$	-	\$ 5,000	\$ 5,000
OTHER COSTS				
AFUDC	\$	-	\$ 8,933	\$ 8,933 6.01%
E&S	\$	-	\$ 294,952	\$ 294,952 10%
TOTAL OTHER	\$	-	\$ 303,885	\$ 303,885
TOTAL PROJECT	\$	-	\$ 3,258,401	\$ 3,258,401

Project Name & No.	Big Sky Solar Project Connection			D.0814 / P2421		TRANSMISSION PROJECT ESTIMATE SUMMARY	Capital Maintenance (if applicable)	
Prepared by:	AltaLink Management Ltd.							
AACE Class: (future use)	3	Estimate Basis	Facility Application					
High Range	20%	Low Range	-10%					
Date of Estimate:	13-May-22	Base Year Used	2024					
In Service Date:	01-Jan-24							
	SYSTEM	CUSTOMER	TOTAL	ASSUMPTIONS				
TRANSMISSION LINE								
Material	\$ -	\$ -	\$ -			\$ -		
Labour	\$ -	\$ -	\$ -			\$ -		
Supply & Install	\$ -	\$ -	\$ -			\$ -		
TOTAL TRANSMISSION LINE	\$ -	\$ -	\$ -			\$ -		
SUBSTATION								
Material	\$ 44,300	\$ 58,825	\$ 103,125			\$ -		
Labour	\$ 220,450	\$ 263,977	\$ 484,427			\$ -		
Supply & Install	\$ -	\$ -	\$ -			\$ -		
TOTAL SUBSTATION	\$ 264,750	\$ 322,802	\$ 587,552			\$ -		
TELECOMMUNICATION								
Material	\$ -	\$ -	\$ -			\$ -		
Labour	\$ -	\$ 11,100	\$ 11,100			\$ -		
Supply & Install	\$ -	\$ -	\$ -			\$ -		
TOTAL TELECOMMUNICATIONS	\$ -	\$ 11,100	\$ 11,100			\$ -		
OWNERS								
Pre-SP cost	\$ 10,451	\$ 13,303	\$ 23,754			\$ -		
Proposal to Provide Service	\$ 12,761	\$ 16,239	\$ 29,000			\$ -		
Facility Applications	\$ 4,030	\$ 5,130	\$ 9,160			\$ -		
Regulatory & Compliance	\$ 625	\$ 796	\$ 1,421			\$ -		
Land Rights - Easements	\$ -	\$ -	\$ -			\$ -		
Land - Damage Claims	\$ -	\$ -	\$ -			\$ -		
Land - Acquisitions	\$ -	\$ -	\$ -			\$ -		
Other	\$ -	\$ -	\$ -			\$ -		
TOTAL OWNERS COST	\$ 27,867	\$ 35,468	\$ 63,335			\$ -		
DISTRIBUTED								
Procurement Management	\$ 4,049	\$ 5,153	\$ 9,202			\$ -		
Project Management	\$ 94,403	\$ 123,650	\$ 218,053			\$ -		
Construction Management	\$ 40,792	\$ 53,052	\$ 93,844			\$ -		
Contingency	\$ 63,360	\$ 80,640	\$ 144,000			\$ -		
Escalation	\$ 9,471	\$ 12,474	\$ 21,945			\$ -		
TOTAL DISTRIBUTED	\$ 212,075	\$ 274,969	\$ 487,044			\$ -		
SALVAGE								
Transmission Line Labour	\$ -	\$ -	\$ -			\$ -		
Substation Labour	\$ -	\$ 9,000	\$ 9,000			\$ -		
Telecom Labour	\$ -	\$ -	\$ -			\$ -		
Land Remediation and Reclamation	\$ -	\$ -	\$ -			\$ -		
TOTAL SALVAGE	\$ -	\$ 9,000	\$ 9,000			\$ -		
OTHER COSTS								
AFUDC	\$ 31,449	\$ -	\$ 31,449			\$ -		
E&S/Overhead	\$ 61,170	\$ 77,852	\$ 139,022			\$ -		
TOTAL OTHER	\$ 92,619	\$ 77,852	\$ 170,471			\$ -		
TOTAL PROJECT	\$ 597,311	\$ 731,191	\$ 1,328,502			\$ -		