

ATTACHMENT A TFO CAPITAL COST ESTIMATE

TRANSMISSION PROJECT COST SUMMARY

AESO Project Name & No.	Horizon Mining 838S Substation Modification and P2179				
Prepared by:	ATCO Electric				
AACE Class:		Estimate Basis	Service Proposal		
High Range	30%	Low Range	-20%		
Date of Estimate:	03-Jun-21	Base Year \$	2021		
In Service Date	31-Mar-23	In Service Year \$	2023		
	PARTICIPANT	SYSTEM	TOTAL	ASSUMPTIONS	Capital Maintenance
TRANSMISSION LINE					
Material	\$ -		\$ 10,435,361		\$ 10,435,361
Labour	\$ -		\$ 21,116,304		\$ 21,116,304
Supply & Install	\$ -		\$ -		\$ -
TOTAL TRANSMISSION LINE	\$ -		\$ 31,551,665		\$ 31,551,665
SUBSTATION					
Material	\$ 4,502,961		\$ 4,502,961		
Labour	\$ 14,385,832		\$ 14,385,832		
Supply & Install	\$ -		\$ -		
TOTAL SUBSTATION	\$ 18,888,793		\$ 18,888,793		
TELECOMMUNICATIONS					
Material	\$ 196,680		\$ 196,680		
Labour	\$ 225,474		\$ 225,474		
Supply & Install	\$ -		\$ -		
TOTAL TELECOMMUNICATIONS	\$ 422,154		\$ 422,154		
OWNERS COST					
Pre-SP Cost	\$ 21,864		\$ 63,325		\$ 41,461
Service Proposal	\$ 99,816		\$ 289,097		\$ 189,281
Facility Applications	\$ 444,316		\$ 1,286,870		\$ 842,554
Regulatory & Compliance	\$ -		\$ -		\$ -
Land Rights - Easements	\$ 54,129		\$ 156,772		\$ 102,643
Land - Damage Claims	\$ -		\$ -		\$ -
Land - Acquisitions	\$ -		\$ -		\$ -
Land - Other	\$ -		\$ -		\$ -
TOTAL OWNERS COST	\$ 620,125		\$ 1,796,064		\$ 1,175,939
DISTRIBUTED					
Procurement Management	\$ 48,899		\$ 141,625		\$ 92,726
Project Management	\$ 212,506		\$ 615,479		\$ 402,973
Construction Management	\$ 507,534		\$ 1,469,968		\$ 962,434
Contingency	\$ 2,003,837		\$ 5,803,700		\$ 3,799,863
Escalation	\$ 348,585		\$ 1,009,603		\$ 661,019
TOTAL DISTRIBUTED	\$ 3,121,361		\$ 9,040,375		\$ 5,919,015
SALVAGE					
Transmission Line Labour	\$ -		\$ 5,062,750		\$ 5,062,750
Substation Labour	\$ -		\$ -		\$ -
Telecom Labour	\$ -		\$ 4,800		\$ 4,800
Land Remediation and Reclamation	\$ -		\$ -		\$ -
TOTAL SALVAGE	\$ -		\$ 5,067,550		\$ 5,067,550
OTHER					
AFUDC	\$ 1,749,681		\$ 5,067,589		\$ 3,317,908
E&S	\$ 3,457,865		\$ 10,014,990		\$ 6,557,125
Asset Transfer of CNRL lines 75-PLH-901 and 75-PLH-902					TBD
TOTAL OTHER	\$ 5,207,546		\$ 15,082,579		\$ 9,875,033
TOTAL PROJECT	\$ 28,259,979	\$ -	\$ 81,849,180		\$ 53,589,202