

Alternative 1:

Shunt Compensation at Bowmanton

AESO Project Name & No.	Bowmanton 244S Substation Voltage Support Project		P7083	TRANSMISSION PROJECT ESTIMATE SUMMARY
Prepared by:	The AESO			
AACE Class:	4	Estimate Basis	NID	
High Range	30%	Low Range	-30%	
Date of Estimate:	January 23, 2023	Base Year \$	2022	
In Service Date	September 30, 2024	In Service Year \$	2024	
	SYSTEM	PARTICIPANT	TOTAL	ASSUMPTIONS
TRANSMISSION LINE				
Material	\$ -	\$ -	\$ -	
Labour	\$ -	\$ -	\$ -	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TRANSMISSION LINE	\$ -	\$ -	\$ -	
SUBSTATION				
Material	\$ 2,861,053	\$ -	\$ 2,861,053	
Labour	\$ 3,284,736	\$ -	\$ 3,284,736	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL SUBSTATION	\$ 6,145,789	\$ -	\$ 6,145,789	
TELECOMMUNICATION				
Material	\$ -	\$ -	\$ -	
Labour	\$ -	\$ -	\$ -	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TELECOMMUNICATIONS	\$ -	\$ -	\$ -	
OWNERS				
Pre-SP Cost	\$ 173,434	\$ -	\$ 173,434	
Service Proposal	\$ 204,040	\$ -	\$ 204,040	
Facility Applications	\$ 555,499	\$ -	\$ 555,499	
Regulatory & Compliance	\$ 15,303	\$ -	\$ 15,303	
Land Rights - Easements	\$ -	\$ -	\$ -	
Land - Damage Claims	\$ -	\$ -	\$ -	
Land - Acquisitions	\$ -	\$ -	\$ -	
Land - Other	\$ -	\$ -	\$ -	
TOTAL OWNERS COST	\$ 948,277	\$ -	\$ 948,277	
DISTRIBUTED				
Procurement Management	\$ 163,232	\$ -	\$ 163,232	
Project Management	\$ 1,020,201	\$ -	\$ 1,020,201	
Construction Management	\$ 834,932	\$ -	\$ 834,932	
Contingency	\$ 1,020,201	\$ -	\$ 1,020,201	
Escalation	\$ 165,936	\$ -	\$ 165,936	
TOTAL DISTRIBUTED	\$ 3,204,503	\$ -	\$ 3,204,503	
SALVAGE				
Transmission Line Labour	\$ -	\$ -	\$ -	
Substation Labour	\$ -	\$ -	\$ -	
Telecom Labour	\$ -	\$ -	\$ -	
Land Remediation and Reclamation	\$ -	\$ -	\$ -	
TOTAL SALVAGE	\$ -	\$ -	\$ -	
OTHER COSTS				
AFUDC	\$ 368,747	\$ -	\$ 368,747	
E&S	\$ 546,975	\$ -	\$ 546,975	
TOTAL OTHER	\$ 915,723	\$ -	\$ 915,723	
TOTAL PROJECT	\$ 11,214,291	\$ -	\$ 11,214,291	

Alternative 2:

Series Compensation on 1034L/1035L

AESO Project Name & No.	Bowmanton 244S Substation Voltage Support Project		P7083	TRANSMISSION PROJECT ESTIMATE SUMMARY	
Prepared by:	The AESO				
AACE Class:	4	Estimate Basis	NID		
High Range	30%	Low Range	-30%		
Date of Estimate:	October 5, 2022	Base Year \$	2022		
In Service Date	October 31, 2024	In Service Year \$	2024		
	SYSTEM	PARTICIPANT	TOTAL		
			ASSUMPTIONS		
TRANSMISSION LINE					
Material	\$ -	\$ -	\$ -		
Labour	\$ -	\$ -	\$ -		
Supply & Install	\$ -	\$ -	\$ -		
TOTAL TRANSMISSION LINE	\$ -	\$ -	\$ -		
SUBSTATION					
Material	\$ 18,526,434	\$ -	\$ 18,526,434		
Labour	\$ 17,738,280	\$ -	\$ 17,738,280		
Supply & Install	\$ -	\$ -	\$ -		
TOTAL SUBSTATION	\$ 36,264,714	\$ -	\$ 36,264,714		
TELECOMMUNICATION					
Material	\$ 199,410	\$ -	\$ 199,410		
Labour	\$ 228,611	\$ -	\$ 228,611		
Supply & Install	\$ -	\$ -	\$ -		
TOTAL TELECOMMUNICATIONS	\$ 428,021	\$ -	\$ 428,021		
OWNERS					
Pre-SP Cost	\$ 90,299	\$ -	\$ 90,299		
Service Proposal	\$ 262,194	\$ -	\$ 262,194		
Facility Applications	\$ 1,051,677	\$ -	\$ 1,051,677		
Regulatory & Compliance	\$ 455,122	\$ -	\$ 455,122		
Land Rights - Easements	\$ -	\$ -	\$ -		
Land - Damage Claims	\$ -	\$ -	\$ -		
Land - Acquisitions	\$ 1,116,953	\$ -	\$ 1,116,953		
Land - Other	\$ -	\$ -	\$ -		
TOTAL OWNERS COST	\$ 2,976,245	\$ -	\$ 2,976,245		
DISTRIBUTED					
Procurement Management	\$ 445,331	\$ -	\$ 445,331		
Project Management	\$ 1,893,018	\$ -	\$ 1,893,018		
Construction Management	\$ 2,140,706	\$ -	\$ 2,140,706		
Contingency	\$ 3,626,471	\$ -	\$ 3,626,471		
Escalation	\$ 1,984,732	\$ -	\$ 1,984,732		
TOTAL DISTRIBUTED	\$ 10,090,258	\$ -	\$ 10,090,258		
SALVAGE					
Transmission Line Labour	\$ -	\$ -	\$ -		
Substation Labour	\$ -	\$ -	\$ -		
Telecom Labour	\$ -	\$ -	\$ -		
Land Remediation and Reclamation	\$ -	\$ -	\$ -		
TOTAL SALVAGE	\$ -	\$ -	\$ -		
OTHER COSTS					
AFUDC	\$ 2,175,883	\$ -	\$ 2,175,883		
E&S	\$ 3,227,560	\$ -	\$ 3,227,560		
TOTAL OTHER	\$ 5,403,442	\$ -	\$ 5,403,442		
TOTAL PROJECT	\$ 55,162,680	\$ -	\$ 55,162,680		