

APPENDIX B TFO CAPITAL COST ESTIMATES

Bullshead 523S Substation Upgrade

Project Name & No.	Fortis Bullshead 523S Substation Upgrade			D.0607	TRANSMISSION PROJECT ESTIMATE SUMMARY
Prepared by:	AltaLink				
AACE Class: (future use)	N/A	Estimate Basis	PPS		
High Range	20%	Low Range	-10%		
Date of Estimate:	June 1, 2016	Base Year Used	2016		
	SYSTEM	CUSTOMER	TOTAL	ASSUMPTIONS	
TRANSMISSION LINE					
Material	\$ -	\$ -	\$ -		
Labour	\$ -	\$ -	\$ -		
Supply & Install	\$ -	\$ -	\$ -		
TOTAL TRANSMISSION LINE	\$ -	\$ -	\$ -		
SUBSTATION					
Material	\$ -	\$ 1,108,000	\$ 1,108,000		
Labour	\$ -	\$ 200,000	\$ 200,000		
Supply & Install	\$ -	\$ 1,961,000	\$ 1,961,000		
TOTAL SUBSTATION	\$ -	\$ 3,269,000	\$ 3,269,000		
TELECOMMUNICATION					
Material	\$ -	\$ -	\$ -		
Labour	\$ -	\$ -	\$ -		
Supply & Install	\$ -	\$ -	\$ -		
TOTAL TELECOMMUNICATIONS	\$ -	\$ -	\$ -		
OWNERS					
Pre-PPS cost	\$ -	\$ 79,000	\$ 79,000		
Proposal to Provide Service	\$ -	\$ 79,000	\$ 79,000		
Facility Applications	\$ -	\$ 139,000	\$ 139,000		
Regulatory & Compliance	\$ -	\$ -	\$ -		
Land Rights - Easements	\$ -	\$ 6,000	\$ 6,000		
Land - Damage Claims	\$ -	\$ -	\$ -		
Land - Acquisitions	\$ -	\$ -	\$ -		
Other	\$ -	\$ -	\$ -		
TOTAL OWNERS COST	\$ -	\$ 303,000	\$ 303,000		
DISTRIBUTED					
Procurement Management	\$ -	\$ 11,000	\$ 11,000		
Project Management	\$ -	\$ 242,000	\$ 242,000		
Construction Management	\$ -	\$ 107,000	\$ 107,000		
Contingency	\$ -	\$ 184,000	\$ 184,000		
Escalation	\$ -	\$ -	\$ -		
TOTAL DISTRIBUTED	\$ -	\$ 544,000	\$ 544,000		
SALVAGE					
Transmission Line Labour	\$ -	\$ 10,000	\$ 10,000		
Substation Labour	\$ -	\$ 3,000	\$ 3,000		
Telecom Labour	\$ -	\$ -	\$ -		
Land Remediation and Reclamation	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
TOTAL SALVAGE		\$ 13,000	\$ 13,000		
OTHER COSTS					
AFUDC	\$ -	\$ 196,000	\$ 196,000		
E&S/Overhead	\$ -	\$ 255,000	\$ 255,000		
TOTAL OTHER	\$ -	\$ 451,000	\$ 451,000		
TOTAL PROJECT	\$ -	\$ 4,580,000	\$ 4,580,000	2017 Dollars	

Note: Totals may not add up due to rounding.