

APPENDIX B TFO CAPITAL COST ESTIMATES



Project Name & No.		Muir New POD		P1722		TRANSMISSION PROJECT ESTIMATE SUMMARY	
Prepared by:		Rosaria Obazee, ATCO Electric Transmission					
AACE Class: (future use)		N/A		Estimate Basis			PPS
High Range		20%		Low Range			-10%
Date of Estimate:		07/12/2016		Base Year Used			2016
		SYSTEM	CUSTOMER	TOTAL	ASSUMPTIONS		
TRANSMISSION LINE							
Material	\$	-	\$ 1,042,102	\$	1,042,102		
Labour	\$	-	\$ 3,864,426	\$	3,864,426		
Supply & Install	\$	-	\$ 152,700	\$	152,700		
TOTAL TRANSMISSION LINE	\$	-	\$ 5,059,228	\$	5,059,228		
SUBSTATION							
Material	\$	-	\$ 3,935,160	\$	3,935,160		
Labour	\$	-	\$ 4,798,407	\$	4,798,407		
Supply & Install	\$	-	\$ 319,867	\$	319,867		
TOTAL SUBSTATION	\$	-	\$ 9,053,434	\$	9,053,434		
TELECOMMUNICATION							
Material	\$	-	\$ 135,367	\$	135,367		
Labour	\$	-	\$ 221,121	\$	221,121		
TOTAL TELECOMMUNICATIONS	\$	-	\$ 356,488	\$	356,488		
OWNERS							
Pre-PPS Cost	\$	-	\$ 190,239	\$	190,239		
Proposal to Provide Service	\$	-	\$ 177,364	\$	177,364		
Facility Applications	\$	-	\$ 499,948	\$	499,948		
Regulatory & Compliance	\$	-	\$ 12,000	\$	12,000		
Land Rights - Easements	\$	-	\$ 104,942	\$	104,942		
Land - Damage Claims	\$	-	\$ -	\$	-		
Land - Acquisitions	\$	-	\$ -	\$	-		
Other	\$	-	\$ -	\$	-		
TOTAL OWNERS COST	\$	-	\$ 984,493	\$	984,493		
DISTRIBUTED							
Procurement Management	\$	-	\$ 128,483	\$	128,483		
Project Management	\$	-	\$ 343,910	\$	343,910		
Construction Management	\$	-	\$ 706,684	\$	706,684		
Contingency	\$	-	\$ 1,900,120	\$	1,900,120		
Escalation	\$	-	\$ 528,416	\$	528,416	Yearly Inflation Rate 2.5%	
TOTAL DISTRIBUTED	\$	-	\$ 3,607,613	\$	3,607,613		
SALVAGE							
Transmission Line Labour	\$	-	\$ 34,143	\$	34,143		
Substation Labour	\$	-	\$ 8,000	\$	8,000		
Land Remediation and Reclamation	\$	-	\$ -	\$	-		
TOTAL SALVAGE	\$	-	\$ 42,143	\$	42,143		
OTHER COSTS							
AFUDC	\$	-	\$ 762,451	\$	762,451	5.98%	
E&S/Overhead	\$	-	\$ 2,865,510	\$	2,865,510	ES&G Rate at 15%	
TOTAL OTHER	\$	-	\$ 3,627,961	\$	3,627,961		
TOTAL PROJECT	\$	-	\$ 22,731,360	\$	22,731,360		