

**APPENDIX B TFO CAPITAL COST ESTIMATES - ATCO Electric**



Project Name & No.	Irma Wind Power		937	<b>TRANSMISSION PROJECT ESTIMATE SUMMARY</b>
Prepared by:	ATCO Electric			
AACE Class: (future use)	N/A	Estimate Basis		
High Range	20%	Low Range	-10%	
Date of Estimate:	July 18, 2017	Base Year Used	2017	
	SYSTEM	CUSTOMER	TOTAL	ASSUMPTIONS
<b>TRANSMISSION LINE</b>				
Material	\$ -	\$ -	\$ -	
Labour	\$ -	\$ -	\$ -	
Supply & Install			\$ -	
<b>TOTAL TRANSMISSION LINE</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>SUBSTATION</b>				
Material	\$ -	\$ 94,513	\$ 94,513	
Labour	\$ -	\$ 218,227	\$ 218,227	
Supply & Install			\$ -	
<b>TOTAL SUBSTATION</b>	<b>\$ -</b>	<b>\$ 312,740</b>	<b>\$ 312,740</b>	
<b>TELECOMMUNICATION</b>				
Material	\$ -	\$ -	\$ -	
Labour	\$ -	\$ -	\$ -	
Supply & Install			\$ -	
<b>TOTAL TELECOMMUNICATIONS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>OWNERS</b>				
Pre-PPS Cost	\$ -	\$ 62,840	\$ 62,840	
Proposal to Provide Service	\$ -	\$ 41,048	\$ 41,048	
Facility Applications	\$ -	\$ -	\$ -	
Regulatory & Compliance	\$ -	\$ -	\$ -	
Land Rights - Easements	\$ -	\$ -	\$ -	
Land - Damage Claims	\$ -	\$ -	\$ -	
Land - Acquisitions	\$ -	\$ -	\$ -	
Other	\$ -	\$ -	\$ -	
<b>TOTAL OWNERS COST</b>	<b>\$ -</b>	<b>\$ 103,888</b>	<b>\$ 103,888</b>	
<b>DISTRIBUTED</b>				
Procurement Management	\$ -	\$ 5,026	\$ 5,026	
Project Management	\$ -	\$ 55,830	\$ 55,830	
Construction Management	\$ -	\$ 14,080	\$ 14,080	
Contingency	\$ -	\$ 50,400	\$ 50,400	
Escalation	\$ -	\$ 16,845	\$ 16,845	2.5% for 2018, 5.1% for 2019
<b>TOTAL DISTRIBUTED</b>	<b>\$ -</b>	<b>\$ 142,181</b>	<b>\$ 142,181</b>	
<b>SALVAGE</b>				
Transmission Line Labour	\$ -	\$ -	\$ -	
Substation Labour	\$ -	\$ -	\$ -	
Land Remediation and Reclamation	\$ -	\$ -	\$ -	
<b>TOTAL SALVAGE</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>OTHER COSTS</b>				
AFUDC	\$ -	\$ -	\$ -	
E&S/Overhead	\$ -	\$ 83,821	\$ 83,821	ES&G rate at 15%.
<b>TOTAL OTHER</b>	<b>\$ -</b>	<b>\$ 83,821</b>	<b>\$ 83,821</b>	
<b>TOTAL PROJECT</b>	<b>\$ -</b>	<b>\$ 642,630</b>	<b>\$ 642,630</b>	