

## **APPENDIX B TFO CAPITAL COST ESTIMATES**

AESO Project Name & No.	Travers Solar Project Connection		P2009 / D0707		<b>TRANSMISSION PROJECT ESTIMATE SUMMARY</b>
Prepared by:	Altalink Management Ltd.				
AACE Class:	3	Estimate Basis	SP		
High Range	20%	Low Range	-10%		
Date of Estimate:	28-Jun-19	Base Year	2019		
In Service Date	1-Dec-20	In Service Year	2020		
	SYSTEM	PARTICIPANT	TOTAL		ASSUMPTIONS
<b>TRANSMISSION LINE</b>					
Material	\$	-	\$ 184,326	\$	184,326
Labour	\$	-	\$ 212,256	\$	212,256
Supply & Install	\$	-	\$ -	\$	-
<b>TOTAL TRANSMISSION LINE</b>	<b>\$</b>	<b>-</b>	<b>\$ 396,582</b>	<b>\$</b>	<b>396,582</b>
<b>SUBSTATION</b>					
Material	\$	-	\$ 232,743	\$	232,743
Labour	\$	-	\$ 472,046	\$	472,046
Supply & Install	\$	-	\$ -	\$	-
<b>TOTAL SUBSTATION</b>	<b>\$</b>	<b>-</b>	<b>\$ 704,789</b>	<b>\$</b>	<b>704,789</b>
<b>TELECOMMUNICATION</b>					
Material	\$	-	\$ 229,600	\$	229,600
Labour	\$	-	\$ 511,739	\$	511,739
Supply & Install	\$	-	\$ -	\$	-
<b>TOTAL TELECOMMUNICATIONS</b>	<b>\$</b>	<b>-</b>	<b>\$ 741,339</b>	<b>\$</b>	<b>741,339</b>
<b>OWNERS</b>					
Pre-SP Cost	\$	-	\$ 42,832	\$	42,832
Service Proposal	\$	-	\$ 49,729	\$	49,729
Facility Applications	\$	-	\$ 113,518	\$	113,518
Regulatory & Compliance	\$	-	\$ -	\$	-
Land Rights - Easements	\$	-	\$ 33,805	\$	33,805
Land - Damage Claims	\$	-	\$ 7,686	\$	7,686
Land - Acquisitions	\$	-	\$ -	\$	-
Land - Other	\$	-	\$ -	\$	-
<b>TOTAL OWNERS COST</b>	<b>\$</b>	<b>-</b>	<b>\$ 247,570</b>	<b>\$</b>	<b>247,570</b>
<b>DISTRIBUTED</b>					
Procurement Management	\$	-	\$ 15,606	\$	15,606
Project Management	\$	-	\$ 321,874	\$	321,874
Construction Management	\$	-	\$ 158,277	\$	158,277
Contingency	\$	-	\$ 320,000	\$	320,000
Escalation	\$	-	\$ 55,681	\$	55,681
<b>TOTAL DISTRIBUTED</b>	<b>\$</b>	<b>-</b>	<b>\$ 871,438</b>	<b>\$</b>	<b>871,438</b>
<b>SALVAGE</b>					
Transmission Line Labour	\$	-	\$ -	\$	-
Substation Labour	\$	-	\$ 10,000	\$	10,000
Telecom Labour	\$	-	\$ -	\$	-
Land Remediation and Reclamation	\$	-	\$ -	\$	-
<b>TOTAL SALVAGE</b>	<b>\$</b>	<b>-</b>	<b>\$ 10,000</b>	<b>\$</b>	<b>10,000</b>
<b>OTHER COSTS</b>					
AFUDC	\$	-	\$ -	\$	-
E&S	\$	-	\$ 304,327	\$	304,327
<b>TOTAL OTHER</b>	<b>\$</b>	<b>-</b>	<b>\$ 304,327</b>	<b>\$</b>	<b>304,327</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>-</b>	<b>\$ 3,276,045</b>	<b>\$</b>	<b>3,276,045</b>

## TRANSMISSION PROJECT COST SUMMARY

AESO Project Name & No.	Travers Solar Project Connection		2009		
Prepared by:	Greengate Power Corporation				
AACE Class:	3	Estimate Basis	Service Proposal P&L		
High Range	20%	Low Range	-10%		
Date of Estimate:	July 16, 2019	Base Year \$	2019		
In Service Date	12/01/2020	In Service Year \$	2020		
	SYSTEM	PARTICIPANT	TOTAL	ASSUMPTIONS	
<b>TRANSMISSION LINE</b>					
Material	\$	-	\$ 12,500	\$	12,500
Labour	\$	-	\$ 108,000	\$	108,000
Supply & Install	\$	-	\$ -	\$	-
<b>TOTAL TRANSMISSION LINE</b>	<b>\$</b>	<b>-</b>	<b>\$ 120,500</b>	<b>\$</b>	<b>120,500</b>
<b>SUBSTATION</b>					
Material	\$	-	\$ -	\$	-
Labour	\$	-	\$ -	\$	-
Supply & Install	\$	-	\$ -	\$	-
<b>TOTAL SUBSTATION</b>	<b>\$</b>	<b>-</b>	<b>\$ -</b>	<b>\$</b>	<b>-</b>
<b>TELECOMMUNICATION</b>					
Material	\$	-	\$ -	\$	-
Labour	\$	-	\$ -	\$	-
Supply & Install	\$	-	\$ -	\$	-
<b>TOTAL TELECOMMUNICATIONS</b>	<b>\$</b>	<b>-</b>	<b>\$ -</b>	<b>\$</b>	<b>-</b>
<b>OWNERS</b>					
Pre-SP Cost		\$	4,000	\$	4,000
Service Proposal		\$	5,000	\$	5,000
Facility Applications		\$	5,000	\$	5,000
Regulatory & Compliance		\$	5,000	\$	5,000
Land Rights - Easements			\$ -		covered under Travers Solar Project
Land - Damage Claims			\$ -		covered under Travers Solar Project
Land - Acquisitions			\$ -		covered under Travers Solar Project
Land - Other		\$	-	\$	covered under Travers Solar Project
<b>TOTAL OWNERS COST</b>	<b>\$</b>	<b>-</b>	<b>\$ 19,000</b>	<b>\$</b>	<b>19,000</b>
<b>DISTRIBUTED</b>					
Procurement Management	\$	-	\$ 5,000	\$	5,000
Project Management	\$	-	\$ 5,000	\$	5,000
Construction Management	\$	-	\$ 5,000	\$	5,000
Contingency	\$	-	\$ 24,100	\$	24,100
Escalation	\$	-	\$ 3,432	\$	3,432
<b>TOTAL DISTRIBUTED</b>	<b>\$</b>	<b>-</b>	<b>\$ 42,532</b>	<b>\$</b>	<b>42,532</b>
<b>SALVAGE</b>					
Transmission Line Labour	\$	-	\$ -	\$	-
Substation Labour	\$	-	\$ -	\$	-
Telecom Labour	\$	-	\$ -	\$	-
Land Remediation and Reclamation			\$ -		-
<b>TOTAL SALVAGE</b>	<b>\$</b>	<b>-</b>	<b>\$ -</b>	<b>\$</b>	<b>-</b>
<b>OTHER COSTS</b>					
AFUDC			\$ -		-
E&S/Overhead			\$ -		-
<b>TOTAL OTHER</b>	<b>\$</b>	<b>-</b>	<b>\$ -</b>	<b>\$</b>	<b>-</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>-</b>	<b>\$ 182,032</b>	<b>\$</b>	<b>182,032</b>