

APPENDIX E AESO Cost Estimates

AESO Cost Estimates

AAECi Class 4

A. Planning Report Option 1: **East Termination** Both circuits at Tinchebray 972S
 West Termination Both circuits at Gaetz 87S

AESO Project Name & No.	CETO: Tinchebray to Gaetz		P7001	TRANSMISSION PROJECT ESTIMATE SUMMARY
Prepared by:	AESO			
AAECi Class:	4	Estimate Basis	NID	
High Range	30%	Low Range	-30%	
Date of Estimate:	October 3, 2019	Base Year \$	2019	
In Service Date	01-May-23	In Service Year	2023	
	SYSTEM	PARTICIPANT	TOTAL	ASSUMPTIONS
TRANSMISSION LINE				
Material	\$ 112,465,781	\$ -	\$ 112,465,781	
Labour	\$ 97,553,480	\$ -	\$ 97,553,480	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TRANSMISSION LINE	\$ 210,019,260	\$ -	\$ 210,019,260	
SUBSTATION				
Material	\$ 9,768,132	\$ -	\$ 9,768,132	
Labour	\$ 15,327,296	\$ -	\$ 15,327,296	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL SUBSTATION	\$ 25,095,429	\$ -	\$ 25,095,429	
TELECOMMUNICATION				
Material	\$ 220,469	\$ -	\$ 220,469	
Labour	\$ 352,910	\$ -	\$ 352,910	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TELECOMMUNICATIONS	\$ 573,379	\$ -	\$ 573,379	
OWNERS				
Pre-SP Cost	\$ 479,862	\$ -	\$ 479,862	
Service Proposal	\$ 1,129,791	\$ -	\$ 1,129,791	
Facility Applications	\$ 11,457,116	\$ -	\$ 11,457,116	
Regulatory & Compliance	\$ 49,844	\$ -	\$ 49,844	
Land Rights - Easements	\$ 16,600,221	\$ -	\$ 16,600,221	
Land - Damage Claims	\$ 1,943,904	\$ -	\$ 1,943,904	
Land - Acquisitions	\$ 23,801,406	\$ -	\$ 23,801,406	
Land - Other	\$ -	\$ -	\$ -	
TOTAL OWNERS COST	\$ 55,462,144	\$ -	\$ 55,462,144	
DISTRIBUTED				
Procurement Management	\$ 2,307,733	\$ -	\$ 2,307,733	
Project Management	\$ 3,301,155	\$ -	\$ 3,301,155	
Construction Management	\$ 3,625,295	\$ -	\$ 3,625,295	
Contingency	\$ 33,824,266	\$ -	\$ 33,824,266	
Escalation	\$ 20,214,258	\$ -	\$ 20,214,258	
TOTAL DISTRIBUTED	\$ 63,272,708	\$ -	\$ 63,272,708	
SALVAGE				
Transmission Line Labour		\$ -	\$ -	
Substation Labour	\$ -	\$ -	\$ -	
Telecom Labour	\$ -	\$ -	\$ -	
Land Remediation and Reclamation		\$ -	\$ -	
TOTAL SALVAGE		\$ -	\$ -	
OTHER COSTS				
AFUDC	\$ 70,913,109	\$ -	\$ 70,913,109	
E&S	\$ 46,113,971	\$ -	\$ 46,113,971	
TOTAL OTHER	\$ 117,027,081	\$ -	\$ 117,027,081	
TOTAL PROJECT	\$ 471,450,000	\$ -	\$ 471,450,000	

B. Planning Report Option 2:

East Termination
West Termination

Both circuits at Tinchebray 9725
Both circuits at Wolf Creek 2885

AESO Project Name & No.	CETO: Tinchebray to Wolf Creek		P7001	TRANSMISSION PROJECT ESTIMATE SUMMARY
Prepared by:	AESO			
AACEi Class:	4	Estimate Basis	NID	
High Range	30%	Low Range	-30%	
Date of Estimate:	October 3, 2019	Base Year \$	2019	
In Service Date	01-May-23	In Service Year	2023	
	SYSTEM	PARTICIPANT	TOTAL	
TRANSMISSION LINE				ASSUMPTIONS
Material	\$ 118,567,965	\$ -	\$ 118,567,965	
Labour	\$ 102,846,550	\$ -	\$ 102,846,550	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TRANSMISSION LINE	\$ 221,414,515	\$ -	\$ 221,414,515	
SUBSTATION				
Material	\$ 10,298,133	\$ -	\$ 10,298,133	
Labour	\$ 16,158,927	\$ -	\$ 16,158,927	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL SUBSTATION	\$ 26,457,060	\$ -	\$ 26,457,060	
TELECOMMUNICATION				
Material	\$ 232,431	\$ -	\$ 232,431	
Labour	\$ 372,058	\$ -	\$ 372,058	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TELECOMMUNICATIONS	\$ 604,489	\$ -	\$ 604,489	
OWNERS				
Pre-SP Cost	\$ 505,898	\$ -	\$ 505,898	
Service Proposal	\$ 1,191,091	\$ -	\$ 1,191,091	
Facility Applications	\$ 12,078,758	\$ -	\$ 12,078,758	
Regulatory & Compliance	\$ 52,548	\$ -	\$ 52,548	
Land Rights - Easements	\$ 17,500,918	\$ -	\$ 17,500,918	
Land - Damage Claims	\$ 2,049,377	\$ -	\$ 2,049,377	
Land - Acquisitions	\$ 25,092,826	\$ -	\$ 25,092,826	
Land - Other	\$ -	\$ -	\$ -	
TOTAL OWNERS COST	\$ 58,471,417	\$ -	\$ 58,471,417	
DISTRIBUTED				
Procurement Management	\$ 2,432,947	\$ -	\$ 2,432,947	
Project Management	\$ 3,480,269	\$ -	\$ 3,480,269	
Construction Management	\$ 3,821,997	\$ -	\$ 3,821,997	
Contingency	\$ 35,659,508	\$ -	\$ 35,659,508	
Escalation	\$ 21,311,046	\$ -	\$ 21,311,046	
TOTAL DISTRIBUTED	\$ 66,705,767	\$ -	\$ 66,705,767	
SALVAGE				
Transmission Line Labour		\$ -	\$ -	
Substation Labour	\$ -	\$ -	\$ -	
Telecom Labour	\$ -	\$ -	\$ -	
Land Remediation and Reclamation		\$ -	\$ -	
TOTAL SALVAGE		\$ -	\$ -	
OTHER COSTS				
AFUDC	\$ 74,760,722	\$ -	\$ 74,760,722	
E&S	\$ 48,616,030	\$ -	\$ 48,616,030	
TOTAL OTHER	\$ 123,376,752	\$ -	\$ 123,376,752	
TOTAL PROJECT	\$ 497,030,000	\$ -	\$ 497,030,000	

C. Planning Report Option 6:

East Termination
West Termination

One circuit at Cordel 755S, and one circuit at Tinchebray 972S
Both circuits at Gaetz 87S

AESO Project Name & No.	CETO: Gaetz to Tinchebray and Cordel		P7001	TRANSMISSION PROJECT ESTIMATE SUMMARY
Prepared by:	AESO			
AACEi Class:	4	Estimate Basis	NID	
High Range	30%	Low Range	-30%	
Date of Estimate:	November 7, 2019	Base Year \$	2019	
In Service Date	01-May-23	In Service Year	2023	
	SYSTEM	PARTICIPANT	TOTAL	
TRANSMISSION LINE				
Material	\$ 114,498,252	\$ -	\$ 114,498,252	
Labour	\$ 99,316,457	\$ -	\$ 99,316,457	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TRANSMISSION LINE	\$ 213,814,709	\$ -	\$ 213,814,709	
SUBSTATION				
Material	\$ 9,944,661	\$ -	\$ 9,944,661	
Labour	\$ 15,604,290	\$ -	\$ 15,604,290	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL SUBSTATION	\$ 25,548,951	\$ -	\$ 25,548,951	
TELECOMMUNICATION				
Material	\$ 224,453	\$ -	\$ 224,453	
Labour	\$ 359,288	\$ -	\$ 359,288	
Supply & Install	\$ -	\$ -	\$ -	
TOTAL TELECOMMUNICATIONS	\$ 583,741	\$ -	\$ 583,741	
OWNERS				
Pre-SP Cost	\$ 488,534	\$ -	\$ 488,534	
Service Proposal	\$ 1,150,208	\$ -	\$ 1,150,208	
Facility Applications	\$ 11,664,168	\$ -	\$ 11,664,168	
Regulatory & Compliance	\$ 50,744	\$ -	\$ 50,744	
Land Rights - Easements	\$ 16,900,219	\$ -	\$ 16,900,219	
Land - Damage Claims	\$ 1,979,034	\$ -	\$ 1,979,034	
Land - Acquisitions	\$ 24,231,543	\$ -	\$ 24,231,543	
Land - Other	\$ -	\$ -	\$ -	
TOTAL OWNERS COST	\$ 56,464,451	\$ -	\$ 56,464,451	
DISTRIBUTED				
Procurement Management	\$ 2,349,438	\$ -	\$ 2,349,438	
Project Management	\$ 3,360,813	\$ -	\$ 3,360,813	
Construction Management	\$ 3,690,811	\$ -	\$ 3,690,811	
Contingency	\$ 34,435,535	\$ -	\$ 34,435,535	
Escalation	\$ 20,579,569	\$ -	\$ 20,579,569	
TOTAL DISTRIBUTED	\$ 64,416,166	\$ -	\$ 64,416,166	
SALVAGE				
Transmission Line Labour	\$ -	\$ -	\$ -	
Substation Labour	\$ -	\$ -	\$ -	
Telecom Labour	\$ -	\$ -	\$ -	
Land Remediation and Reclamation	\$ -	\$ -	\$ -	
TOTAL SALVAGE	\$ -	\$ -	\$ -	
OTHER COSTS				
AFUDC	\$ 72,194,644	\$ -	\$ 72,194,644	
E&S	\$ 46,947,339	\$ -	\$ 46,947,339	
TOTAL OTHER	\$ 119,141,983	\$ -	\$ 119,141,983	
TOTAL PROJECT	\$ 479,970,000	\$ -	\$ 479,970,000	