

## **APPENDIX C TFO CAPITAL COST ESTIMATE**

## Proposal to Provide Services (PPS) - Estimate Summary

Project Name:	RP-05-863 : 58923 Currant Lake 896S
Estimate Prepared by:	David Ellinger
Estimate Date:	31 March, 2010
Estimate Accuracy:	+20 / -10 % (2010 Dollars)
Version:	2
Version Date:	31 May, 2010

	System Portion	Customer Portion	TOTAL
<b>Transmission Line Costs</b>			
Material	\$ -	\$ 510,658	\$ 510,658
Labour	\$ -	\$ 1,353,527	\$ 1,353,527
<b>Total-Transmission line</b>	<b>\$ -</b>	<b>\$ 1,864,185</b>	<b>\$ 1,864,185</b>
<b>Substation Facilities Cost</b>			
Material	\$ -	\$ 1,798,126	\$ 1,798,126
Labour	\$ -	\$ 1,283,549	\$ 1,283,549
<b>Total-Substations</b>	<b>\$ -</b>	<b>\$ 3,081,675</b>	<b>\$ 3,081,675</b>
<b>Telecommunication Cost</b>			
Material	\$ -	\$ 376,680	\$ 376,680
Labour	\$ -	\$ 45,560	\$ 45,560
<b>Total-Telecommunication</b>	<b>\$ -</b>	<b>\$ 422,240</b>	<b>\$ 422,240</b>
<b>Owner Costs</b>			
Proposal to Provide Service	\$ -	\$ 100,000	\$ 100,000
Facility Applications	\$ -	\$ 155,996	\$ 155,996
Land Rights - Easements	\$ -	\$ 160,305	\$ 160,305
Land - Damage Claims	\$ -	\$ -	\$ -
Land - Acquisitions	\$ -	\$ -	\$ -
<b>Total - Owner's Cost</b>	<b>\$ -</b>	<b>\$ 416,301</b>	<b>\$ 416,301</b>
<b>Distributed Costs</b>			
Procurement	\$ -	\$ -	\$ -
Project Management	\$ -	\$ 32,000	\$ 32,000
Construction Management	\$ -	\$ 6,000	\$ 6,000
Warehouse/logistics	\$ -	\$ 100,000	\$ 100,000
Project Services	\$ -	\$ 8,000	\$ 8,000
Contingency	\$ -	\$ 593,040	\$ 593,040
<b>Total - Distributed Costs</b>	<b>\$ -</b>	<b>\$ 739,040</b>	<b>\$ 739,040</b>
<b>Total Direct Costs</b>	<b>\$ -</b>	<b>\$ 6,523,441</b>	<b>\$ 6,523,441</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>			
INFLATION	\$ -	\$ 423,913	\$ 423,913
ES&G	\$ -	\$ 181,041	\$ 181,041
AFUDC	\$ -	\$ 518,038	\$ 518,038
<b>Total - Other Costs</b>	<b>\$ -</b>	<b>\$ 1,122,992</b>	<b>\$ 1,122,992</b>
<b>Total In-Direct Costs</b>	<b>\$ -</b>	<b>\$ 1,122,992</b>	<b>\$ 1,122,992</b>
<b>TOTAL PROJECT COSTS</b>	<b>\$ -</b>	<b>\$ 7,646,433</b>	<b>\$ 7,646,433</b>

## Transmission Line - PPS Estimate

Project Name: =

Refer to the Notes sheet in this workbook and "Proposal to  
Estimating Guidelines: Provide Services"

	System Portion	Customer Portion	TOTAL
<b>Line &lt; 7LA110, 7L110 Tap Point to Currant Lake 896S (incl. Tap Point) &gt;</b>			
<b>Materials</b>			
Hardware	\$ -	\$ 177,600	\$ 177,600
Conductor	\$ -	\$ 70,858	\$ 70,858
<b>Subtotal-Material</b>	\$ -	\$ 510,658	\$ 510,658
<b>Labour</b>			
Detailed Engineering	\$ -	\$ 33,200	\$ 33,200
Survey	\$ -	\$ 70,000	\$ 70,000
R/W Preparation & Brushing	\$ -	\$ -	\$ -
Construction	\$ -	\$ 1,250,327	\$ 1,250,327
Commissioning	\$ -	\$ -	\$ -
<b>Subtotal-Labour</b>	\$ -	\$ 1,353,527	\$ 1,353,527
<b>Sub Total-Material and Labour</b>	\$ -	\$ 1,864,185	\$ 1,864,185
<b>Total - Material Costs</b>	\$ -	\$ 510,658	\$ 510,658
<b>Total - Labour Costs</b>	\$ -	\$ 1,353,527	\$ 1,353,527
<b>Total - Transmission Line Costs</b>	\$ -	\$ 1,864,185	\$ 1,864,185

## Substation - PPS Estimate

Project Name:

RP-05-863 : 58923 Currant Lake 896S

Refer to the Notes sheet in this workbook and "Proposal to  
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	System Portion	Customer Portion	TOTAL
<b>Substation &lt; Currant Lake 896S &gt;</b>			
<b>Materials</b>			
Circuit Breakers <1 x 144kV>	\$ -	\$ 70,000	\$ 70,000
Circuit Breakers <Voltage 2>	\$ -	\$ -	\$ -
Capacitor Bank <voltage, rating>	\$ -	\$ -	\$ -
Reactor bank	\$ -	\$ -	\$ -
CTs & PTs <quantity, voltage>	\$ -	\$ -	\$ -
Switchyard buswork, switches, structures, foundations, grounding	\$ -	\$ 588,631	\$ 588,631
Control Building	\$ -	\$ 93,500	\$ 93,500
Protection, Control, Metering	\$ -	\$ 141,132	\$ 141,132
SCADA	\$ -	\$ 50,863	\$ 50,863
<misc>	\$ -	\$ -	\$ -
<b>Subtotal - Material</b>	<b>\$ -</b>	<b>\$ 1,798,126</b>	<b>\$ 1,798,126</b>
<b>Labour</b>			
Detailed Engineering	\$ -	\$ 126,666	\$ 126,666
Site preparation & survey	\$ -	\$ -	\$ -
Construction temporary AC service	\$ -	\$ -	\$ -
Construction	\$ -	\$ 1,022,520	\$ 1,022,520
Commissioning	\$ -	\$ 134,363	\$ 134,363
<b>Subtotal - Labor</b>	<b>\$ -</b>	<b>\$ 1,283,549</b>	<b>\$ 1,283,549</b>
<b>Sub Total-Material and Labour</b>			
<b>Sub Total-Material and Labour</b>	<b>\$ -</b>	<b>\$ 3,081,675</b>	<b>\$ 3,081,675</b>
<b>Total - Material Costs</b>	<b>\$ -</b>	<b>\$ 1,798,126</b>	<b>\$ 1,798,126</b>
<b>Total - Labour Costs</b>	<b>\$ -</b>	<b>\$ 1,283,549</b>	<b>\$ 1,283,549</b>
<b>Total - Substation Costs</b>	<b>\$ -</b>	<b>\$ 3,081,675</b>	<b>\$ 3,081,675</b>

## Telecommunication - PPS Estimate

Project Name:

RP-05-863 : 58923 Currant Lake 896S

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	System Portion	Customer Portion	TOTAL
<b>Telecommunication Site &lt; Currant lake 896S &gt;</b>			
<b>Materials</b>			
Building (If substation building not utilized)	\$ -	\$ -	\$ -
Fibre (km,type)	\$ -	\$ -	\$ -
Video Monitoring	\$ -	\$ -	\$ -
<b>Subtotal - Material</b>	<b>\$ -</b>	<b>\$ 257,680</b>	<b>\$ 257,680</b>
<b>Labour</b>			
Detailed Engineering	\$ -	\$ 13,480	\$ 13,480
Site preparation & survey	\$ -	\$ -	\$ -
Construction	\$ -	\$ 15,000	\$ 15,000
Commissioning	\$ -	\$ -	\$ -
<b>Subtotal - Labor</b>	<b>\$ -</b>	<b>\$ 28,480</b>	<b>\$ 28,480</b>
<b>Sub Total-Material and Labour</b>	<b>\$ -</b>	<b>\$ 286,160</b>	<b>\$ 286,160</b>
<b>Telecommunication Site &lt; Consort Tower &gt;</b>			
<b>Materials</b>			
Tower/Antennae	\$ -	\$ 62,000	\$ 62,000
Radio Equipment	\$ -	\$ 57,000	\$ 57,000
Building (If substation building not utilized)	\$ -	\$ -	\$ -
Fibre (km,type)	\$ -	\$ -	\$ -
<misc>	\$ -	\$ -	\$ -
<b>Subtotal - Material</b>	<b>\$ -</b>	<b>\$ 119,000</b>	<b>\$ 119,000</b>
<b>Labour</b>			
Detailed Engineering	\$ -	\$ 17,080	\$ 17,080
Site preparation & survey	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
Commissioning	\$ -	\$ -	\$ -
<b>Subtotal - Labor</b>	<b>\$ -</b>	<b>\$ 17,080</b>	<b>\$ 17,080</b>
<b>Sub Total-Material and Labour</b>	<b>\$ -</b>	<b>\$ 136,080</b>	<b>\$ 136,080</b>
<b>Total - Material Costs</b>	<b>\$ -</b>	<b>\$ 376,680</b>	<b>\$ 376,680</b>
<b>Total - Labour Costs</b>	<b>\$ -</b>	<b>\$ 45,560</b>	<b>\$ 45,560</b>
<b>Total - Telecommunication Costs</b>	<b>\$ -</b>	<b>\$ 422,240</b>	<b>\$ 422,240</b>