

	A	B	C	D	E	F	G
1		City of Summerside Electric Utility					
2		Transmission Line Economic Feasibility					
3		(Case: January 2013)					
4			2013	2014	2015	2016	
5		Year of Operation					1
6		Year of Construction	0	1	2		
7			NPV 2012	EA Year	Construct Year 1	Construct Year 2	Op Year 1
8		1. Project Net Present Value					
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%
10		Load Growth		2.2%	2.2%	2.2%	2.2%
11							
12		Capital Expenditure	\$ (4,576,588)	\$ (250,000)	(2,382,230)	(2,382,230)	
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,413,690)	\$ -	0	0	(57,126)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	0	0	(72,351)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	0	0	(208,000)
17		Communication facilities lease	\$ (215,798)	\$ -	0	0	(11,940)
18		Loss Efficiency on volume of energy	\$ 1,589,088	\$ -	0	0	48,685
19		Export Savings from Sside Wind Farm	\$ 263,771	\$ -	-	-	19,240
20		Schedule 9 Charges	\$ (136,108)	\$ -	0	0	(6,470)
21		Incremental Property Taxes	\$ (360,578)	\$ -	0	0	(9,895)
22		Transmission Rates, West Cape Contract	\$ (1,294,379)	\$ -	0	0	(136,114)
23		Transmission Rates, NIS, Total Load	\$ 19,323,274	\$ -	0	0	630,885
24							
25		Total Annual Cash Flows		(250,000)	(2,384,230)	(2,384,230)	194,913
26							
27		Assumed Discount Rate, LTD	3.85%				
28		Net Present Value	\$ 11,438,438				
29							

synapse capital curtailments

	A	B	C	D	E	F	G
1		City of Summerside Electric Utility					
2		Transmission Line Economic Feasibility					
3		(Case: January 2013)					
4			2013	2014	2015	2016	
5		Year of Operation					1
6		Year of Construction	0	1	2		
7			NPV 2012	EA Year	Construct Year 1	Construct Year 2	Op Year 1
8		1. Project Net Present Value					
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%
10		Load Growth		2.2%	2.2%	2.2%	2.2%
11							
12		Capital Expenditure	\$ (5,691,923)	\$ (250,000)	(2,995,024)	(2,995,024)	
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,512,367)	\$ -	0	0	(61,114)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	0	0	(72,351)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	0	0	(208,000)
17		Communication facilities lease	\$ (215,798)	\$ -	0	0	(11,940)
18		Loss Efficiency on volume of energy	\$ 1,589,088	\$ -	0	0	48,685
19		Export Savings from Sside Wind Farm	\$ 263,771	\$ -	-	-	19,240
20		Schedule 9 Charges	\$ (215,067)	\$ -	0	0	(10,224)
21		Incremental Property Taxes	\$ (360,578)	\$ -	0	0	(9,895)
22		Transmission Rates, West Cape Contract	\$ (1,294,379)	\$ -	0	0	(136,114)
23		Transmission Rates, NIS, Total Load	\$ 19,323,274	\$ -	0	0	630,885
24							
25		Total Annual Cash Flows		(250,000)	(2,997,023)	(2,997,023)	187,172
26							
27		Assumed Discount Rate, LTD	3.85%				
28		Net Present Value	\$ 10,145,467				
29							

irving +25% curtailments

	A	B	C	D	E	F	G
1		City of Summerside Electric Utility					
2		Transmission Line Economic Feasibility					
3		(Case: January 2013)					
4			2013	2014	2015	2016	
5		Year of Operation					1
6		Year of Construction	0	1	2		
7			NPV 2012	EA Year	Construct Year 1	Construct Year 2	Op Year 1
8		1. Project Net Present Value					
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%
10		Load Growth		2.2%	2.2%	2.2%	2.2%
11							
12		Capital Expenditure	\$ (5,720,735)	\$ (312,500)	(2,977,788)	(2,977,788)	
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,533,643)	\$ -	0	0	(61,973)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	0	0	(72,351)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	0	0	(208,000)
17		Communication facilities lease	\$ (215,798)	\$ -	0	0	(11,940)
18		Loss Efficiency on volume of energy	\$ 1,589,088	\$ -	0	0	48,685
19		Export Savings from Sside Wind Farm	\$ 263,771	\$ -	-	-	19,240
20		Schedule 9 Charges	\$ (170,135)	\$ -	0	0	(8,088)
21		Incremental Property Taxes	\$ (360,578)	\$ -	0	0	(9,895)
22		Transmission Rates, West Cape Contract	\$ (1,294,379)	\$ -	0	0	(136,114)
23		Transmission Rates, NIS, Total Load	\$ 19,323,274	\$ -	0	0	630,885
24							
25		Total Annual Cash Flows		(312,500)	(2,979,787)	(2,979,787)	188,449
26							
27		Assumed Discount Rate, LTD	3.85%				
28		Net Present Value	\$ 10,140,311				
29							

mecl capital curtailment

	A	B	C	D	E	F	G
1		City of Summerside Electric Utility					
2		Transmission Line Economic Feasibility					
3		(Case: January 2013)					
4			2013	2014	2015	2016	
5		Year of Operation					1
6		Year of Construction	0	1	2		
7			NPV 2012	EA Year	Construct Year 1	Construct Year 2	Op Year 1
8		1. Project Net Present Value					
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%
10		Load Growth		2.2%	2.2%	2.2%	2.2%
11							
12		Capital Expenditure	\$ (6,436,680)	\$ (250,000)	(3,404,212)	(3,404,212)	
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,738,181)	\$ -	0	0	(70,239)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	0	0	(72,351)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	0	0	(208,000)
17		Communication facilities lease	\$ (215,798)	\$ -	0	0	(11,940)
18		Loss Efficiency on volume of energy	\$ 1,589,088	\$ -	0	0	48,685
19		Export Savings from Sside Wind Farm	\$ 263,771	\$ -	-	-	19,240
20		Schedule 9 Charges	\$ (216,480)	\$ -	0	0	(10,291)
21		Incremental Property Taxes	\$ (360,578)	\$ -	0	0	(9,895)
22		Transmission Rates, West Cape Contract	\$ (1,294,379)	\$ -	0	0	(136,114)
23		Transmission Rates, NIS, Total Load	\$ 19,323,274	\$ -	0	0	630,885
24							
25		Total Annual Cash Flows		(250,000)	(3,406,212)	(3,406,212)	177,980
26							
27		Assumed Discount Rate, LTD	3.85%				
28		Net Present Value	\$ 9,173,482				
29							

strum capital curtailment

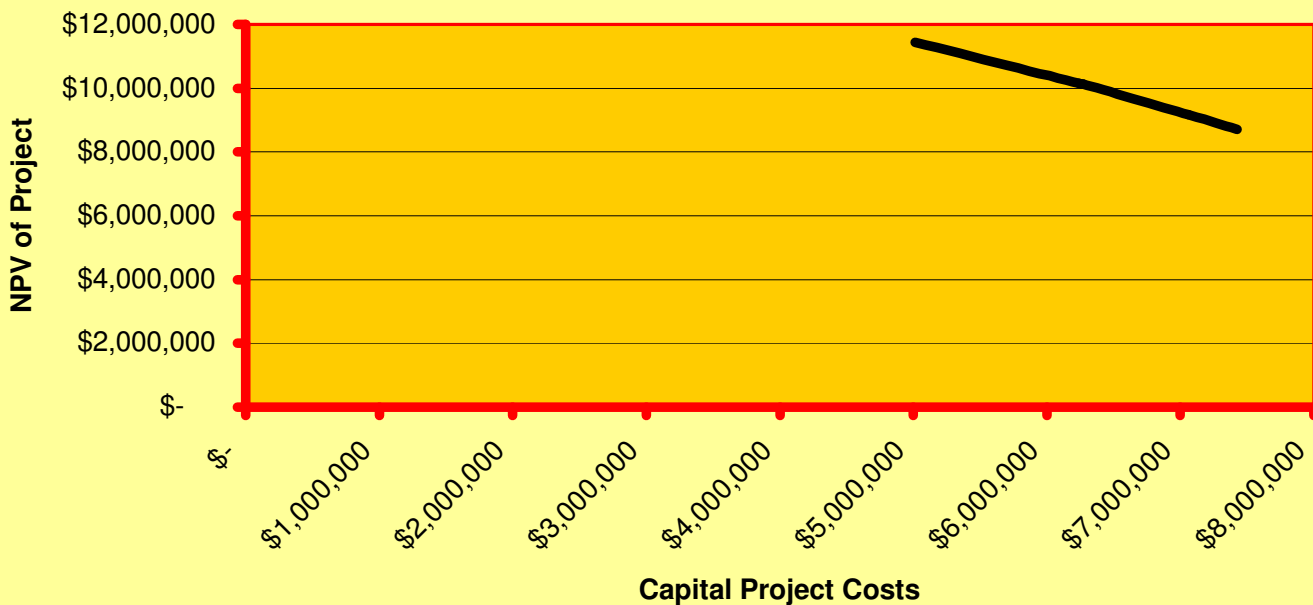
	A	B	C	D	E	F	G
1		City of Summerside Electric Utility					
2		Transmission Line Economic Feasibility					
3		(Case: January 2013)					
4			2013	2014	2015	2016	
5		Year of Operation					1
6		Year of Construction	0	1	2		
7			NPV 2012	EA Year	Construct Year 1	Construct Year 2	Op Year 1
8		1. Project Net Present Value					
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%
10		Load Growth		2.2%	2.2%	2.2%	2.2%
11							
12		Capital Expenditure	\$ (6,770,735)	\$ (250,000)	(3,587,750)	(3,587,750)	
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,764,210)	\$ -	0	0	(71,290)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	0	0	(72,351)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	0	0	(208,000)
17		Communication facilities lease	\$ (215,798)	\$ -	0	0	(11,940)
18		Loss Efficiency on volume of energy	\$ 1,589,088	\$ -	0	0	48,685
19		Export Savings from Sside Wind Farm	\$ 263,771	\$ -	-	-	19,240
20		Schedule 9 Charges	\$ (326,801)	\$ -	0	0	(15,536)
21		Incremental Property Taxes	\$ (360,578)	\$ -	0	0	(9,895)
22		Transmission Rates, West Cape Contract	\$ (1,294,379)	\$ -	0	0	(136,114)
23		Transmission Rates, NIS, Total Load	\$ 19,323,274	\$ -	0	0	630,885
24							
25		Total Annual Cash Flows		(250,000)	(3,589,750)	(3,589,750)	171,684
26							
27		Assumed Discount Rate, LTD	3.85%				
28		Net Present Value	\$ 8,703,079				
29							

City of Summerside Electric Utility
Transmission Line Economic Feasibility
(Case: February 2013) - No Heritage Rights to Cable

Feb 11 2013

Scenario	Capital Costs	NPV to SE
Blaine Irving Capital Curtailments	\$ 5,014,460	\$ 11,438,438
Synapse Capital Curtailments	\$ 6,240,047	\$ 10,145,467
Blaine Irving +25% Capital Curtailments	\$ 6,268,075	\$ 10,140,311
MECL Capital Curtailments	\$ 7,058,424	\$ 9,173,482
Strum Capital Curtailments	\$ 7,425,500	\$ 8,703,079

**Capital Cost Effects on Economic Feasibility
Curtailments**

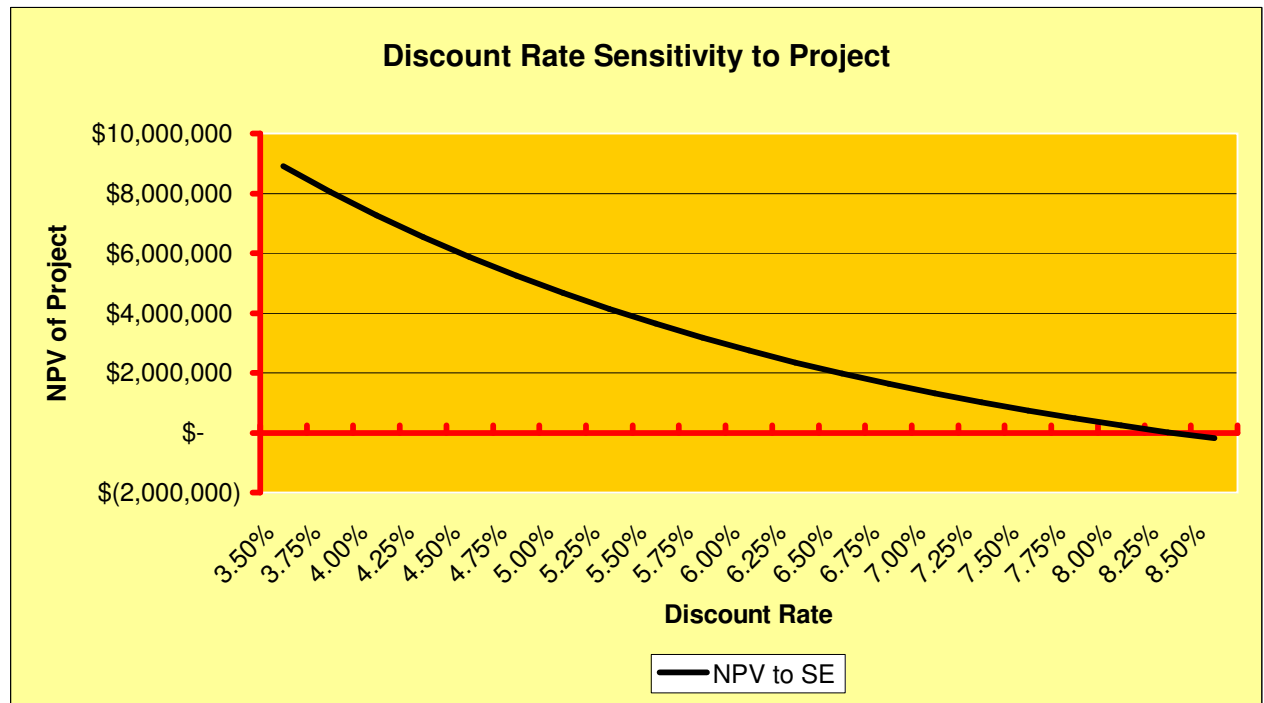


City of Summerside Electric Utility
Transmission Line Economic Feasibility
Discount Rate Sensitivity (Case: February 2013)

Feb 11 2013

Blaine Irving Capital +25%	Capital Costs	NPV to SE	Discount Rate
No Curtailments	\$ 6,268,075	\$ 7,732,038	3.85%

Discount Rate	NPV to SE
3.50%	\$ 8,902,464
3.75%	\$ 8,053,464
4.00%	\$ 7,268,297
4.25%	\$ 6,541,776
4.50%	\$ 5,869,163
4.75%	\$ 5,246,135
5.00%	\$ 4,668,737
5.25%	\$ 4,133,355
5.50%	\$ 3,636,684
5.75%	\$ 3,175,697
6.00%	\$ 2,747,623
6.25%	\$ 2,349,924
6.50%	\$ 1,980,272
6.75%	\$ 1,636,534
7.00%	\$ 1,316,752
7.25%	\$ 1,019,128
7.50%	\$ 742,010
7.75%	\$ 483,881
8.00%	\$ 243,347
8.25%	\$ 19,123
8.50%	\$ (189,972)



irving capital no curtailments

	A	B	C	D	E	F	G	H
1		City of Summerside Electric Utility						
2		Transmission Line Economic Feasibility						
3		(Case: January 2013)		2013	2014	2015	2016	2017
4		Year of Operation					1	2
5		Year of Construction		0	1	2		
6			NPV 2012	EA Year	Costruct Year 1	Construct Year 2	Op Year 1	
7		1. Project Net Present Value						
8								
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%	1.0%
10		Load Growth		3.0%	3.0%	3.0%	3.0%	3.0%
11								
12		Capital Expenditure	\$ (4,576,588)	\$ (250,000)	(2,382,230)	(2,382,230)		
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,413,690)	\$ -	-	-	(57,126)	(58,269)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	-	-	(72,351)	(73,075)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	-	-	(208,000)	
17		Communication facilities lease	\$ (215,798)	\$ -	-	-	(11,940)	(11,940)
18		loss efficiency gain on energy volume	\$ 1,923,886	\$ -	-	-	50,621	52,139
19		Export Savings from Sside Wind Farm	\$ 234,419	\$ -	-	-	19,240	18,663
20		Schedule 9 Charges	\$ (136,108)	\$ -	-	-	(6,470)	(6,535)
21		Incremental Property Taxes	\$ (305,196)	\$ -	-	-	(7,752)	(8,064)
22		Transmission Rates, West Cape Contract	\$ -	\$ -	-	-	-	-
23		Transmission Rates, NIS, Total Load	\$ 15,259,794	\$ -	-	-	387,599	403,219
24								
25		Total Annual Cash Flows	\$ 9,030,166	(250,000)	(2,384,230)	(2,384,230)	91,820	314,139
26								
27		Assumed Discount Rate, LTD	3.85%					
28		Net Present Value	\$ 9,030,166					

synapse capital no curtailment

	A	B	C	D	E	F	G	H
1		City of Summerside Electric Utility						
2		Transmission Line Economic Feasibility						
3		(Case: January 2013)		2013	2014	2015	2016	2017
4		Year of Operation					1	2
5		Year of Construction		0	1	2		
6			NPV 2012	EA Year	Costruct Year 1	Construct Year 2	Op Year 1	
7		1. Project Net Present Value						
8								
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%	1.0%
10		Load Growth		3.0%	3.0%	3.0%	3.0%	3.0%
11								
12		Capital Expenditure	\$ (5,691,923)	\$ (250,000)	(2,995,024)	(2,995,024)		
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,512,367)	\$ -	-	-	(61,114)	(62,336)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	-	-	(72,351)	(73,075)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	-	-	(208,000)	
17		Communication facilities lease	\$ (215,798)	\$ -	-	-	(11,940)	(11,940)
18		loss efficiency gain on energy volume	\$ 1,923,886	\$ -	-	-	50,621	52,139
19		Export Savings from Sside Wind Farm	\$ 234,419	\$ -	-	-	19,240	18,663
20		Schedule 9 Charges	\$ (215,067)	\$ -	-	-	(10,224)	(10,326)
21		Incremental Property Taxes	\$ (305,196)	\$ -	-	-	(7,752)	(8,064)
22		Transmission Rates, West Cape Contract	\$ -	\$ -	-	-	-	-
23		Transmission Rates, NIS, Total Load	\$ 15,259,794	\$ -	-	-	387,599	403,219
24								
25		Total Annual Cash Flows	\$ 7,737,195	(250,000)	(2,997,024)	(2,997,024)	84,079	306,281
26								
27		Assumed Discount Rate, LTD	3.85%					
28		Net Present Value	\$ 7,737,195					

irving +25% no curtailments

	A	B	C	D	E	F	G	H
1		City of Summerside Electric Utility						
2		Transmission Line Economic Feasibility						
3		(Case: January 2013)		2013	2014	2015	2016	2017
4		Year of Operation					1	2
5		Year of Construction		0	1	2		
6			NPV 2012	EA Year	Costruct Year 1	Construct Year 2	Op Year 1	
7		1. Project Net Present Value						
8								
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%	1.0%
10		Load Growth		3.0%	3.0%	3.0%	3.0%	3.0%
11								
12		Capital Expenditure	\$ (5,720,735)	\$ (312,500)	(2,977,788)	(2,977,788)		
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,533,643)	\$ -	-	-	(61,973)	(63,213)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	-	-	(72,351)	(73,075)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	-	-	(208,000)	
17		Communication facilities lease	\$ (215,798)	\$ -	-	-	(11,940)	(11,940)
18		loss efficiency gain on energy volume	\$ 1,923,886	\$ -	-	-	50,621	52,139
19		Export Savings from Sside Wind Farm	\$ 234,419	\$ -	-	-	19,240	18,663
20		Schedule 9 Charges	\$ (170,135)	\$ -	-	-	(8,088)	(8,169)
21		Incremental Property Taxes	\$ (305,196)	\$ -	-	-	(7,752)	(8,064)
22		Transmission Rates, West Cape Contract	\$ -	\$ -	-	-	-	-
23		Transmission Rates, NIS, Total Load	\$ 15,259,794	\$ -	-	-	387,599	403,219
24								
25		Total Annual Cash Flows	\$ 7,732,038	(312,500)	(2,979,788)	(2,979,788)	85,356	307,561
26								
27		Assumed Discount Rate, LTD	3.85%					
28		Net Present Value	\$ 7,732,038					

mecl capital no curtailment

	A	B	C	D	E	F	G	H
1		City of Summerside Electric Utility						
2		Transmission Line Economic Feasibility						
3		(Case: January 2013)		2013	2014	2015	2016	2017
4		Year of Operation					1	2
5		Year of Construction		0	1	2		
6			NPV 2012	EA Year	Costruct Year 1	Construct Year 2	Op Year 1	
7		1. Project Net Present Value						
8								
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%	1.0%
10		Load Growth		3.0%	3.0%	3.0%	3.0%	3.0%
11								
12		Capital Expenditure	\$ (6,436,680)	\$ (250,000)	(3,404,212)	(3,404,212)		
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,738,181)	\$ -	-	-	(70,239)	(71,643)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	-	-	(72,351)	(73,075)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	-	-	(208,000)	
17		Communication facilities lease	\$ (215,798)	\$ -	-	-	(11,940)	(11,940)
18		loss efficiency gain on energy volume	\$ 1,923,886	\$ -	-	-	50,621	52,139
19		Export Savings from Sside Wind Farm	\$ 234,419	\$ -	-	-	19,240	18,663
20		Schedule 9 Charges	\$ (216,480)	\$ -	-	-	(10,291)	(10,394)
21		Incremental Property Taxes	\$ (305,196)	\$ -	-	-	(7,752)	(8,064)
22		Transmission Rates, West Cape Contract	\$ -	\$ -	-	-	-	-
23		Transmission Rates, NIS, Total Load	\$ 15,259,794	\$ -	-	-	387,599	403,219
24								
25		Total Annual Cash Flows	\$ 6,765,210	(250,000)	(3,406,212)	(3,406,212)	74,887	296,905
26								
27		Assumed Discount Rate, LTD	3.85%					
28		Net Present Value	\$ 6,765,210					

strum capital no curtailment

	A	B	C	D	E	F	G	H
1		City of Summerside Electric Utility						
2		Transmission Line Economic Feasibility						
3		(Case: January 2013)		2013	2014	2015	2016	2017
4		Year of Operation					1	2
5		Year of Construction		0	1	2		
6			NPV 2012	EA Year	Costruct Year 1	Construct Year 2	Op Year 1	
7		1. Project Net Present Value						
8								
9		Transmission (OATT) Rate Increase		1.0%	1.0%	1.0%	1.0%	1.0%
10		Load Growth		3.0%	3.0%	3.0%	3.0%	3.0%
11								
12		Capital Expenditure	\$ (6,770,735)	\$ (250,000)	(3,587,750)	(3,587,750)		
13		Annual Easement Cost	\$ (39,787)	\$ -	(2,000)	(2,000)	(2,000)	(2,000)
14		Operation and Maintenance, 2% Escalation	\$ (1,764,210)	\$ -	-	-	(71,290)	(72,716)
15		Share of Submarine Cable Operation and Maintenance	\$ (1,521,938)	\$ -	-	-	(72,351)	(73,075)
16		One time fuel costs for work at Bedeque Stn	\$ (178,829)	\$ -	-	-	(208,000)	
17		Communication facilities lease	\$ (215,798)	\$ -	-	-	(11,940)	(11,940)
18		loss efficiency gain on energy volume	\$ 1,923,886	\$ -	-	-	50,621	52,139
19		Export Savings from Sside Wind Farm	\$ 234,419	\$ -	-	-	19,240	18,663
20		Schedule 9 Charges	\$ (326,801)	\$ -	-	-	(15,536)	(15,691)
21		Incremental Property Taxes	\$ (305,196)	\$ -	-	-	(7,752)	(8,064)
22		Transmission Rates, West Cape Contract	\$ -	\$ -	-	-	-	-
23		Transmission Rates, NIS, Total Load	\$ 15,259,794	\$ -	-	-	387,599	403,219
24								
25		Total Annual Cash Flows	\$ 6,294,807	(250,000)	(3,589,750)	(3,589,750)	68,591	290,535
26								
27		Assumed Discount Rate, LTD	3.85%					
28		Net Present Value	\$ 6,294,807					

City of Summerside Electric Utility
Transmission Line Economic Feasibility
(Case: February 2013) - Heritage Rights to Cable

Feb 11 2013

Scenario	Capital Costs	NPV to SE
Blaine Irving Capital No Curtailments	\$ 5,014,460	\$ 9,030,166
Synapse Capital No Curtailments	\$ 6,240,047	\$ 7,737,195
Blaine Irving +25% Capital No Curtailments	\$ 6,268,075	\$ 7,732,038
MECL Capital No Curtailments	\$ 7,058,424	\$ 6,765,210
Strum Capital No Curtailments	\$ 7,425,500	\$ 6,294,807

Capital Cost Effects on Economic Feasibility
No Curtailments

