

Example 1: Technology Screening Analysis

Table A. Measure Savings

Year	Measure Energy Savings (kWh)								Measure Demand Savings On Peak (kW)
	Winter			Summer			Shoulder		
	On Peak	Mid-Peak	Off Peak	On Peak	Mid-Peak	Off Peak	Mid-Peak	Off Peak	
1	15.48	7.74	20.34	0	11.75	13.95	17.46	17.685	0
2	15.48	7.74	20.34	0	11.75	13.95	17.46	17.685	0
3	15.48	7.74	20.34	0	11.75	13.95	17.46	17.685	0
4	15.48	7.74	20.34	0	11.75	13.95	17.46	17.685	0

Table B. Measure Savings Including Distribution System Losses

Year	Measure Energy Savings (kWh)								Measure Demand Savings On Peak (kW)
	Winter			Summer			Shoulder		
	On Peak	Mid-Peak	Off Peak	On Peak	Mid-Peak	Off Peak	Mid-Peak	Off Peak	
1	16.0992	8.0496	21.1536	0	12.2148	14.508	18.1584	18.3924	0
2	16.0992	8.0496	21.1536	0	12.2148	14.508	18.1584	18.3924	0
3	16.0992	8.0496	21.1536	0	12.2148	14.508	18.1584	18.3924	0
4	16.0992	8.0496	21.1536	0	12.2148	14.508	18.1584	18.3924	0

Table C. Avoided Electricity Costs

Year	Ontario Seasonal Average Avoided Energy Cost (2005 CAD\$/kWh)								Avoided Capacity		
	Winter			Summer			Shoulder		Generation	Transmission	Distribution
	On Peak	Mid-Peak	Off Peak	On Peak	Mid-Peak	Off Peak	Mid-Peak	Off Peak	(2005 CAD\$/kW-yr)		
	602	688	1,614	522	783	1,623	1,305	1,623	N/A	N/A	N/A
1	\$0.1178	\$0.0819	\$0.0443	\$0.1102	\$0.0794	\$0.0463	\$0.0821	\$0.0413	\$0.00	\$0.00	\$0.00
2	\$0.1186	\$0.0802	\$0.0430	\$0.1062	\$0.0757	\$0.0437	\$0.0775	\$0.0389	\$0.00	\$0.00	\$0.00
3	\$0.1072	\$0.0806	\$0.0454	\$0.1027	\$0.0776	\$0.0466	\$0.0839	\$0.0417	\$69.32	\$5.22	\$0.00
4	\$0.1014	\$0.0698	\$0.0443	\$0.0947	\$0.0720	\$0.0431	\$0.0777	\$0.0393	\$75.71	\$5.22	\$6.50

Table D. Avoided Electricity Cost Savings

Year	Nominal Savings (\$)								Nominal Savings (\$)		
	Winter			Summer			Shoulder		Avoided Capacity Costs		
	On Peak	Mid-Peak	Off Peak	On Peak	Mid-Peak	Off Peak	Mid-Peak	Off Peak	Generation	Transmission	Distribution
1	\$1.90	\$0.66	\$0.94	\$0.00	\$0.97	\$0.67	\$1.49	\$0.76	\$0.00	\$0.00	\$0.00
2	\$1.91	\$0.65	\$0.91	\$0.00	\$0.92	\$0.63	\$1.41	\$0.72	\$0.00	\$0.00	\$0.00
3	\$1.73	\$0.65	\$0.96	\$0.00	\$0.95	\$0.68	\$1.52	\$0.77	\$0.00	\$0.00	\$0.00
4	\$1.63	\$0.56	\$0.94	\$0.00	\$0.88	\$0.63	\$1.41	\$0.72	\$0.00	\$0.00	\$0.00

Table E. Discounted Avoided Electricity Cost Savings

Year	Discount Rate Factor	Discounted Savings (\$)								Discounted Savings (\$)			Total Discounted Savings
		Winter			Summer			Shoulder		Avoided Capacity Costs			
		On Peak	Mid-Peak	Off Peak	On Peak	Mid-Peak	Off Peak	Mid-Peak	Off Peak	Generation	Transmission	Distribution	
1	1.0000	\$1.8965	\$0.6593	\$0.9371	\$0.0000	\$0.9699	\$0.6717	\$1.4908	\$0.7596	\$0.0000	\$0.0000	\$0.0000	7.38
2	1.0750	\$1.7762	\$0.6005	\$0.8461	\$0.0000	\$0.8601	\$0.5898	\$1.3091	\$0.6655	\$0.0000	\$0.0000	\$0.0000	6.65
3	1.1556	\$1.4934	\$0.5614	\$0.8310	\$0.0000	\$0.8202	\$0.5850	\$1.3183	\$0.6637	\$0.0000	\$0.0000	\$0.0000	6.27
4	1.2423	\$1.3141	\$0.4523	\$0.7543	\$0.0000	\$0.7079	\$0.5033	\$1.1357	\$0.5818	\$0.0000	\$0.0000	\$0.0000	5.45

Table F. Measure Costs and Benefits

Measure Benefits	Measure Costs
25.75	2.00