



CHEC-RP-2004-0203/EB-2004-0502

Conservation and Demand Annual Report

1.0 Introduction:

This report summarizes the activity and successes of the Cornerstone Hydro Electric Concepts (CHEC) Group with respect to conservation and demand management undertaken in 2005. Included in this document are the sixteen (16) individual reports from the CHEC members that discuss their specific program activities and the associated insights of the members.

Consistent with CHEC members' cooperative effort to seek approval of their CDM plans as a combined group, the Annual Report reflects their commitment to work together to provide cost effective programs and to share and learn from each other's experience. Although this report is submitted as one document it is clear from the individual reports that each utility brings its own perspective and goals to the CDM activities.

Within the 16 utilities there have been a total of ninety-two (92) initiatives. These initiatives represent projects specific to individual utilities and others that are similar or a cooperative effort between utilities (Conservation Website, EnergyShop.com). Some utilities have focused on promoting and providing energy efficient technology to their customers with the associated kWh savings, while others have been more focused on laying the foundation for future programs. To achieve the "conservation culture", the overriding goal in Ontario, both types play an important role.

CHEC with its dynamic relationship, positions members well to learn from and leverage the experience of others. The combined report as well as meeting the regulatory requirement, provides a comprehensive summary to CHEC members. This report will help to provide additional insights, as utility staff plan and implement the 2006 and 2007 programs.

The experiences gained in 2005 will be invaluable for the continued development of CDM and the ability to move forward programs that save energy and develop the conservation culture. The experiences gained over 2005 add to the collective knowledge of the industry and sets the stage for on-going improvement in the development, delivery, monitoring and reporting of CDM initiatives.

2.0 CHEC Members:

The 2005 Annual Report on Conservation and Demand Management Activities of the following utilities are included in this report:

Centre Wellington Hydro Ltd.	Collus Power Corp
Grand Valley Energy Inc.	Innisfil Hydro
Lakefront Utilities Inc.	Lakeland Power Distribution
Midland Power Utility Corp.	Orangeville Hydro Ltd
Orillia Power Distribution Corp.	Parry Sound Power
Rideau St. Lawrence	Wasaga Distribution Inc.
Wellington North Power Inc.	West Coast Huron Energy Inc.
Westario Power	Woodstock Hydro Services

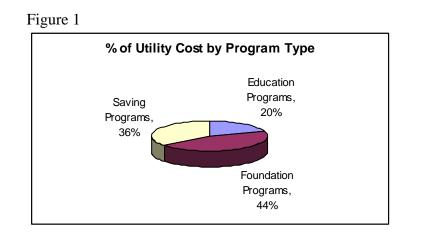
3.0 Evaluation of the CDM Plan:

Total Portfolio: The 16 CHEC members collectively ran a total of 92 programs. These programs fell within three categories:

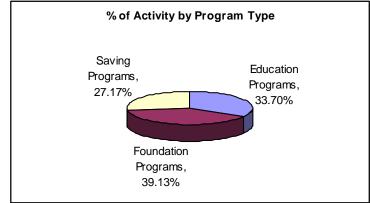
- Savings: Delivery of energy saving products or processes: coupons, rebates, free products, etc.
- Education: Providing general energy management information through such activities as: website development, workshops, brochures, etc,
- Foundation: Preparatory work for future programs that include: program research and development, energy audits, system studies, demonstration projects, partnerships, etc.

The program results represent a total energy savings of 29,760,749 kWh at a combined "Utility Cost" of \$908,387 or approximately 3c/kWh. This low cost of energy saved was achieved while providing both education and foundation building programs in addition to the specific initiatives aimed at savings kWh. To put the energy savings in perspective the 29.7 Million kWh represent the annual energy required by 2,400 homes (at 1000 kWh/month).

Figure 1 and Figure 2 illustrates the breakdown of the programs into the three types. From the figure it can be seen that cost and activity generally correlate. Programs aimed at immediate kWh savings represent 36% of the cost while they represent 27% of the programs delivered during the year. Education and Foundation programs, that are expected to return improved kWh savings in the future, represent 64% of the cost and 73% of the activity. From the spending and activity level in the different categories it can be seen that 2005 while providing energy savings has focused on preparing for year two and three of CDM delivery.







Savings Programs: The programs aimed at immediate results focused on energy savings rather than peak demand. The average cost of energy saved through the "Energy Savings" programs was 1.1c/kWh.

The use of product incentives and give-a-ways contributed significantly to achieving immediate energy savings. Programs such as the "Lighten Your Electricity Bill" and local product incentives such as CFL distribution programs resulted in energy savings throughout the membership. The wide scale programs provided an economy of scale while the local programs built on relationships and resources within the community. The product focused programs represented a utility cost of \$163,400 and a lifetime energy savings of 15,692,800 kWh or 1.1c/kWh.

Four system optimization projects (out of a total of twelve) involved field changes completed in 2005 that captured energy savings. The four field projects represent a utility cost of \$163,300 and a lifetime energy savings of 12,793,000 kWh or 1.3c/kWh (note: one program pending review to confirm savings).

Education Programs: These programs while not generating any immediate savings represent the future of CDM within the Province. Incentive programs while providing immediate savings cannot on their own change behaviour within the customer group. Programs aimed at increasing the customer's knowledge of energy use is required if long term savings are desired. As the saying goes – If you give a person a CFL you provide energy savings for 4 years. If you provide a person with the knowledge to save energy you provide energy savings for a lifetime. This is the role of the education programs.

Twenty percent of the total utility cost was spent on providing education to the customers. The activities within this classification vary from providing brochures to detailed customer workshops. Although the results of these programs are not immediate it is believed that they will impact positively on customer participation in future programs and prepare customers to make informed decisions with regards to energy use.

CHEC is in the process of developing a website focused on energy conservation. The website in addition to providing energy management knowledge to the customers will also allow the effective exchange of CDM information between CHEC members. The website funding includes dollars to allow the CHEC membership to engage external resources to assist in developing the site and also assist members with CDM issues of common interest.

It is interesting to note in the "Education" section the experience of one CHEC member (Orillia) with success from an industrial workshop. As a direct result of a "Dollar to Sense" workshop changes were made in an industrial setting that resulted in quantifiable savings. These results were captured because the customer communicated the action and potential energy savings to the utility. The savings of 255,000 kWh annually, clearly illustrates the role "education" can play in obtaining significant energy savings.

Foundation Program: These programs are those initiatives aimed at developing programs that will provide savings in the future. Thirty nine percent of the programs (44% of utility cost) focused on research and development of programs that will be delivered in year two and three of the CDM Plan. At the end of the reporting period however the programs have not been rolled out or have not generated any savings to date. For the purpose of reporting, projected savings have generally not been utilized.

Foundation Programs include initiatives such as: system optimization studies, smart meter preparation, customer audits, demonstration projects and relationship building, to name a few. Unlike education, where the activity is geared to the customer, these programs are aimed at ensuring the appropriate information and processes for the CDM activity of future years. Approaching the end of the first quarter of 2006 it is apparent that there are a number of programs that are moving forward as a direct result of the foundation work completed in 2005 (e.g. Woodstock finance plan, Orangeville Reduce the Juice)

Net TRC Results: The net TRC result of the combined CHEC CDM activity for 2005 is \$499,756. Although a large number, it is difficult to determine if this represents good success of the overall portfolio. While net TRC measures the dollar benefits of avoided electrical energy cost it does not measure the education and development work that is associated with an on-going CDM program.

Reviewing the individual reports of the CHEC members indicates that ten of the members had positive Net TRCs while six had negative Net TRCs. In isolation one may conclude that anything but a positive TRC is undesirable. However it is proposed that the TRC for the first year of a multi-year program does not reflect the overall value of the effort undertaken and that the overall activity of the utility should be taken into account.

As noted above there has been a significant amount of education and foundation work undertaken by CHEC members. The individual reports indicate a mix of approaches with some focusing on preparatory work, others on immediate deliverables and others on a mix of programs. Depending on the success of programs aimed at delivering immediate savings and the cost of education and foundation programs the Net TRC will vary. **Through the sharing of program information and outcomes CHEC members will be able to learn from each others' experiences to continue to deliver effective CDM programs in the future.**

4.0 Discussion of Programs:

The individual program discussions from each utility should be examined. These discussions provide the individual utility perspective on the programs as offered in their service territory. The complete Annual CDM Report for each utility is included in the appendices. One copy of the SeeLine Total Resource Cost Test Assessment of the '2005 Lighten Your Electricity Bill' Program is also included in the appendices as a sample of the program evaluation process for the coupon program as reported in CHEC members' reports.

5.0 Lessons Learned:

Each utility report included in the attached appendices includes lessons learned from the 2005 CDM experience for each utility. Although a flavour of the "lessons learned" is summarized in this section the reader is encouraged to review the individual reports for additional insights.

Application of TRC: This report represents the first large scale application of TRC for the evaluation of CD&M programs in Ontario. The TRC model, while forming a base, is seen to encourage "quick return" programs and does not provide any measure of foundation or education programs that are so critical to developing a "conservation culture". It is believed that for future year evaluation of CDM activities the TRC tool needs to be expanded to take into account education and foundation type programs.

Familiarity has been gained with the TRC tool over the past reporting year. The OEB's initiative to provide a set of assumptions assisted with the evaluation of programs and reporting. The need to continue to refine and add to the list of assumptions for cost effective evaluation is evident. The evaluation process for programs also fails to capture additional activities of customers that are driven through exposure to programs where consumers are not directly taking advantage of a particular coupon or rebate.

Experience gained in reporting the activities of 2005 also indicates the need to ensure that measures of programs are understood at the program design stage. For education programs, in addition to some modification of the TRC model to better recognize the benefits of these programs, mechanisms for obtaining feedback from customers is required. These mechanisms however must be cost effective.

Funding: There remains significant third tranche dollars for the continued delivery of CDM programs in 2006 and potentially 2007. However, if CDM is to continue members will be required to submit applications for additional CDM expenditures. A simplified approval process is required to allow utilities to obtain appropriate CDM funding without being encumbered with a full rate hearing on these items. In addition, as noted above, the TRC tool requires modification to provide value to education and foundation programs. A continued lack of recognition of the value of these types of programs will focus utilities on programs that deliver immediate positive TRC result, a condition that will not foster a "conservation culture".

Partnerships and Sharing: CHEC by its' very existence is about partnerships and sharing. CHEC members are working together to move forward CDM in their service territories. In addition CHEC members have been active participants in local and provincial wide initiatives to build relationships and take advantage of scale. It is believed through these types of endeavours, the "best bang for the buck" can be achieved for the customer.

Province wide initiatives are generally supported by CHEC members as a good way to enter into partnerships with the OPA, manufacturers, contractors, and retail outlets in order to deliver cost effective programming. Within these programs the ability to provide local support and branding is important to allow the existing positive relationship that the local utility enjoys with its customers to be leveraged.

Foundation Year: Many of the CHEC members note in their report the "foundation building" nature of 2005. The ability of the industry to come up to speed is noted as well as the development of programs and guidelines associated with CDM. All CDM participants have been learning over 2005.

Much of the work completed in 2005 sets the stage for the next two years. With a mix of delivered savings, education and investigation of programs CHEC and the industry have prepared for continued CDM over the next two years and beyond.

Customer Readiness: The success of the residential programs offered to customers indicates the readiness of customers to take action to control their energy use and costs. Obtaining resources for utilities to design and deliver commercial and industrial programs requires further attention. The energy savings within these sectors can be extensive, however the lead time for design, delivery and customer implementation is much longer. Members recognize that much of the issue with this sector is the limited resources (time and money) the customers have to put on energy management. Successfully meeting the needs of this sector will require further effort and sharing of projects that have proved successful.

Utility Resources: To-date utilities have not generally increased internal resources to address the CDM portfolio. Utilities have worked the additional CDM demands into existing work loads by placing other issues at a lower priority. Continuation of this arrangement is not sustainable over the long term. Recognition of the impact that continued CDM programming has on resources is required in both the funding and reporting requirements. As noted above under "Funding" a simplified method for accessing CDM funding is required to ensure the appropriate resources are put in place to support the appropriate level of CDM activity.

6.0 Conclusion:

The first year of CDM has been a learning or foundation year. The CHEC members look back on their projects to date and recognize there has been significant learning. As the individual reports indicate there continues to be a commitment to CDM with utilities looking to capture future benefits from the work done in 2005.

CHEC members have delivered energy savings while increasing the collective knowledge of the CDM industry. CHEC members have demonstrated a willingness to be fully engaged in the process. Through the continued sharing of information and programs between members and other organizations, CHEC will continue to play an important role in the design, delivery and reporting of CDM for the benefit of their customers.

7.0 Appendices:

Appendix 1	Summary of CHEC Appendix A's	page 9)
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	2005 Lighten Your Electricity Bill	page	294

Appendix A - Evaluation of the CDM Plan

]	Total	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System		
Net TRC value (\$):	\$499,756					-	_		
Benefit to cost ratio:	1.582								
Number of participants or units delivered:	115,815.00		Summary	Summary of CHEC Appendices A					
Total KWh to be saved over the lifecycle of the plan (kWh):	29,760,746.70		Detailed A's follow for all CHEC Utilities						
Total in year kWh saved (kWh):	3,048,702.30		Utilities arr	ranged alpl	nabeticall	у			
Total peak demand saved (kW):	329.19								
Total kWh saved as a percentage of total kWh delivered (%):									
Peak kW saved as a percentage of LDC peak kW load (%):									
Gross in year C&DM expenditures (\$):	\$908,385.27								
Expenditures per KWh saved (\$/kWh)*:	\$0.0305								
Expenditures per KW saved (\$/kW)**:	\$2,759.4849								



CENTRE WELLINGTON HYDRO LTD. 730 Gartshore St., P.O. Box 217, Fergus, Ontario N1M 2W8 PHONE: (519) 843-2900 Fax: (519) 843-7601 Keith Roszell, Chair Ron Hallman, Director Audrey McNiven, Director George Pinkney, Director

Centre Wellington Hydro Ltd. –RP-2004-0203 \ ED-1999-0269 Conservation and Demand Annual Report

Introduction:

Centre Wellington Hydro as a member of the CHEC (Cornerstone Hydro Electric Concepts) Group is involved in several joint projects and initiatives. These programs are the start to a strong foundation in the development and implementation of lasting conservation and demand side management practices within our utility. Education and promotion of ideas. theories and simplified programs are the first steps in developing a CDM culture. We have started this with brochures. Further to the education program, we participated in a coupon program that was organized by Enershop.com which will have lasting results. The shared benefit of a coordinator to gather, manage and direct members of the group toward programs on a "Best Suit" approach has been shared by all. The design and development of a group website will have impacts well into the CDM future for our customers as well as anyone motivated to grasp the world wide resource of internet knowledge. This style of "get the idea out" not only enables our CHEC customers to read, implement and benefit from our initiatives but other people in the province or the world for that matter can see our approach. This will help the Minister to ensure her goals are met as well. As the government and our culture moves toward conservation, our commitment to SMART METER TECHNOLOGY is shown by our willingness to participate in the OUSM (Ontario Users Smart Metering) Group and our request for funding in the 2006 rate application for the implementation of smart meters. We are comfortable that the objectives of the group and those of the O.E.B. and the Minister of Energy are being met.

Evaluation of CDM Plan

The evaluation of the CDM plan and commitments at this point in time are brief. We are "on the way" and have laid the foundation for future programs. The Ontario Energy Board needs only to provide us with the "best funding" approach and all Ontario Utilities can expand on CDM programs well into the future. The actual TRC value of ground work programs is low or non-existent as you can well understand. However, the future will hold the benefit. As each customer hears and reads more information on CDM programs and the benefits to them as individuals, progress to a new level in CDM savings will materialize. No matter how small, each customer in his or her own way will help the overall success of the programs offered.



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Discussion of Programs

Our coupon program taught us to include more retailer outlets and increase the length of the program and the offering. To manage many of the activities, it has become a burden to our utilities and we may need to employ professional CDM managers to ensure the "BEST VALUE" approach. There are many important factors that determine what time is spent, where and when. Without the direction and clarity from the regulator there is the possibility of lost interest due to time constraints.

Other programs are ground work for the future and time will define which ones lead the pack.

Lessons Learned

Expansion of the CDM programs throughout the province is a must for all, and LDCs must strive for the "best bang for our buck" approach. This however is difficult as each utility is evaluating what works for them and what can work in general for all customers no matter where they live. A more complete set of directions and an information sharing process across the province would benefit all electrical distributors and more importantly the customers we all serve. Perhaps a joint effort with the Ministry, the O.E.B. and the OPA would be in order. As we can now see, we must go further with these programs and some type of funding model is needed that includes the cost on already drained staff.

Conclusion

In conclusion, the overall start to CDM has been a success. To continue to develop and implement energy saving practices, more direction and resources need to become available in order for our Ontario Electrical Distributors to succeed.

Yours truly,

forence vhissen

Florence Thiessen, CGA Vice President – Treasurer Centre Wellington Hydro Ltd.

Appendix A - Evaluation of the CDM Plan

	Total	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System	Web Page	Demand Response	Education & Promotion	Other 4
Net TRC value (\$):	\$26,165	\$32,167	\$583		\$0		\$0	-\$2,839	\$0	-\$3,746	
Benefit to cost ratio:		\$6.11	\$8.30		N/A		N/A	N/A	N/A	N/A	
Number of participants or units delivered:	566	524	42		N/A		N/A	N/A	N/A	N/A	
Total KWh to be saved over the lifecycle of the plan (kWh):	867,928.57	845,356.98	22,571.59		N/A		N/A	N/A	N/A	N/A	
Total in year kWh saved (kWh):	84,679.89	83,927.50	752.39		N/A		N/A	N/A	N/A	N/A	
Total peak demand saved (kW):	0.00				N/A		N/A	N/A	N/A	N/A	
Total kWh saved as a percentage of total kWh delivered (%):		0.052%	0.000%		N/A		N/A	N/A	N/A	N/A	
Peak kW saved as a percentage of LDC peak kW load (%):					N/A		N/A	N/A	N/A	N/A	
Gross in year C&DM expenditures (\$):	\$13,081	\$4,540	\$1,955					\$2,839		\$3,746	
Expenditures per KWh saved (\$/kWh)*:	\$0.0151	\$0.0054	\$0.0866		N/A		N/A	N/A	N/A	N/A	
Expenditures per KW saved (\$/kW)**:	\$0.0000				N/A		N/A	N/A	N/A	N/A	

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Utility discount rate (%):

8.56%

*Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate energy savings. **Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate capacity savings. Annual Energy 160,365,716 Peak Demand

27,965

Appendix B - Discussion of the Program

(complete this section for each program)

A. Name of the Program:

"Lighten Your Electricity Bill" (Residential)

Description of the program (including intent, design, delivery, partnerships and evaluation):

Centre Wellington Hydro participated in a coupon campaign with Canadian Tire. Energyshop.com was engaged to design, deliver and track the program. Customers were provided with a bill insert containing energy-savings coupons. Customers had until December 31, 2005 to redeem their point of purchase coupons at any local Canadian Tire outlet. Canadian Tire sent the coupon to a redemption house, who then sorted by utility and product. This program helped increase public awareness of energy conservation and demand management, as well as contribute to the overall development of an energy conservation culture in Ontario.The program results showed a significant increase in total sales of the targetted products accross the province.

	Measure(s):				
		Measure 1		2 (if applicable)	Measure 3 (if applicable)
	6,	See Attached report from Seelin	ne Group for	additional details.	
	Efficient technology: Number of participants or units deliv	495			
	Measure life (years):				
В.	TRC Results:		¢	20,450,00	
	TRC Benefits (\$): TRC Costs (\$):		\$	38,459.00	
		lity program cost (less incentives):	\$	1,713.00	
	01	Participant cost:	\$ \$	4,579.00	
		Total TRC costs:		6,292.00	
	Net TRC (in year CDN \$):		\$	32,167.00	
	Benefit to Cost Ratio (TRC Benefits/	TRC Costs):	\$	6.11	
C.	Results: (one or more category may	r apply)			
	Conservation Programs:				
	Demand savings (kW):	Summer	6.26		
	2 omana oa migo (mi)	Winter	0		
		lifecycle		in year	
	Energy saved (kWh):	845,356.98		83,927.50	
	Other resources saved :				
	Natural Gas (m3):				
	Other (specify):				
	Demand Management Programs:				
	Controlled load (kW)				
	Energy shifted On-peak to Mid-peak	(kWh):			
	Energy shifted On-peak to Off-peak	(kWh):			
	Energy shifted Mid-peak to Off-peak	(kWh):			
	Demand Response Programs:				
	Dispatchable load (kW):				
	Peak hours dispatched in year (hour	s):			
	Power Factor Correction Program	s:			
	Amount of KVar installed (KVar):	—			
	Distribution system power factor at b	pegining of year (%):			
	Distribution system power factor at e				

Line Loss Reduction Programs:

	Peak load savings (kW):			
		lifecycle	in yea	ar
	Energy savngs (kWh):			
	Distributed Generation and Load I	Displacement Programs:		
	Amount of DG installed (kW):			
	Energy generated (kWh):			
	Peak energy generated (kWh):			
	Fuel type:			
	Other Programs (specify):			
	Metric (specify):			
D.	Program Costs*:			
	Utility direct costs (\$):	Incremental capital:	•	
		Incremental O&M:	\$	1,713.00
		Incentive:	\$	2,827.00
		Total:	\$	4,540.00
	Utility indirect costs (\$):	Incremental capital:		
		Incremental O&M:		
		Total:		
	Participant costs (\$):	Incremental equipment:		¢4 570 00
		Incremental O&M:		\$4,579.00
		Total:		\$4,579.00

E. Comments:

The success of the program was directly related to the cooperative efforts of the 32 participating LDC's, Canadian Tire, EnergyShop.com, and the SeeLine Group. Many of our customers had thrown away their original coupons and contacted us asking for a replacement after hearing the advertisements on the radio, along with seeing additional information when visiting the Canadian Tire store. The lesson learned here, is for us to ensure we prepare additional advertising well in advance of running such a program to ensure customers are looking for their coupons when they open their monthly invoices.

After talking to other LDC's that had even higher results, we found that the primary reason for that was tied to incremental activities promoting the program. Therefore, we anticipate providing additional local resources to bolster the success of the next province wide collaborative program.

*Please refer to the TRC Guide for the treatment of equipment cost in the TRC Test.

Appendix B - Discussion of the Program

(complete this section for each program)

A. Name of the Program:

Conservation Web Site (All Classes)

Description of the program (including intent, design, delivery, partnerships and evaluation):

This particular program will provide the members of the CHEC group and their customers a common conservation WEB Page. The investment in this program will provide our collective customers with a one-stop location where they can find information and links to a wide variety of conservation initiatives, programs, and technologies. The program costs also cover the hiring an individual to help with developing and updating the web page and providing overall conservation activity support as we work through the steep learning curve of building and delivering conservation programs to our customers.

	Measure(s):	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
	Base case technology: Efficient technology: Number of participants or units deliv Measure life (years):	ered:		
В.	TRC Results: TRC Benefits (\$): TRC Costs (\$):		-\$ 2,839.15	
		tility program cost (less incentives): Participant cost: Total TRC costs:		
	Net TRC (in year CDN \$):			
	Benefit to Cost Ratio (TRC Benefits/	TRC Costs):		
C.	Results: (one or more category may	/ apply)		
	Conservation Programs: Demand savings (kW):	Summer Winter		
	Energy saved (kWh): Other resources saved :	lifecycle	in year	
	Natural Gas (m3): Other (specify):			
	Demand Management Programs: Controlled load (kW) Energy shifted On-peak to Mid-peak Energy shifted On-peak to Off-peak Energy shifted Mid-peak to Off-peak			
	Demand Response Programs: Dispatchable load (kW): Peak hours dispatched in year (hour			
	Power Factor Correction Program Amount of KVar installed (KVar): Distribution system power factor at the Distribution system power factor at e			

Line Loss Reduction Programs:

	Peak load savings (kW):			
		lifecycle	in yea	r
	Energy savngs (kWh):			
	Distributed Generation and Load	Displacement Programs:		
	Amount of DG installed (kW):			
	Energy generated (kWh):			
	Peak energy generated (kWh):			
	Fuel type:			
	Other Programs (specify):			
	Metric (specify):			
D.	Program Costs*:			
	Utility direct costs (\$):	Incremental capital:		
		Incremental O&M:	\$	2,839.15
		Incentive:		
		Total:	\$	2,839.15
	Utility indirect costs (\$):	Incremental capital:		
		Incremental O&M:		
		Total:		
	Participant costs (\$):	Incremental equipment:		
		Incremental O&M:		
		Total:		

E. Comments:

The Web Page is still in development. The greatest benefit from this expenditure is the overall coordination of CDM activities for the collective 16 LDC's in the CHEC group. The individual hired to perform these duties has provided a common voice as a primary contact between the CHEC group and the various agencies such as the Ministry, the OPA, OEB, and the massive numbers of consultants and entities soliciting our members to purchase their services. The concept of a central contact for the CHEC group has allowed our members to continue with the rigorous requirements of their normal activities while at the same time provide our customers with some quality deliverables on the road to building a Conservation Culture in the Province.

*Please refer to the TRC Guide for the treatment of equipment cost in the TRC Test.

Appendix B - Discussion of the Program

(complete this section for each program)

A. Name of the Program:

Education & Promotion

Description of the program (including intent, design, delivery, partnerships and evaluation):

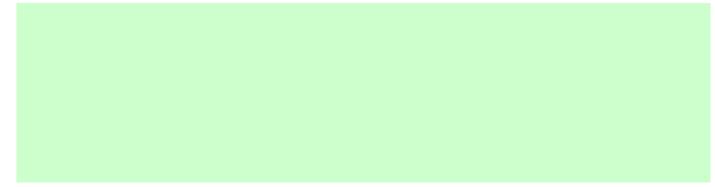
Centre Wellington Hydro participated in a brochure program. The brochures were titled, "Conserve Energy and Save Money" and offered tips and facts to educate our customers. We mailed the brochures to all our customers as an insert with their monthly bills.

	Measure(s):							
		Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)				
	Base case technology:							
	Efficient technology: Number of participants or units delive	ared:						
	Measure life (years):							
<u> </u>								
В.	<u>TRC Results:</u> TRC Benefits (\$):		-\$ 3,746.03					
	TRC Costs (\$):		-\$ 3,740.03					
		tility program cost (less incentives):						
	-	Participant cost:						
		Total TRC costs:						
	Net TRC (in year CDN \$):							
	Benefit to Cost Ratio (TRC Benefits/	TPC Costs);						
	Benefit to Cost Ratio (TRC Benefits)	TRE COSIS).						
C.	Results: (one or more category may	apply)						
	Conservation Programs:							
	Demand savings (kW):	Summer						
		Winter						
		lifecycle	in year					
	Energy saved (kWh):							
	Other resources saved :							
	Natural Gas (m3):							
	Other (specify):							
	Demand Management Programs:							
	Controlled load (kW)							
	Energy shifted On-peak to Mid-peak							
	Energy shifted On-peak to Off-peak (
	Energy shifted Mid-peak to Off-peak	(kWh):						
	Demand Response Programs:							
	Dispatchable load (kW):							
	Peak hours dispatched in year (hours	s):						
	Power Factor Correction Programs Amount of KVar installed (KVar):	<u>s.</u>						
	Distribution system power factor at b	eaining of year (%).						
	Distribution system power factor at e							

Line Loss Reduction Programs:

	Peak load savings (kW):		
		lifecycle	in year
	Energy savngs (kWh):		
	Distributed Generation and Load Amount of DG installed (kW): Energy generated (kWh): Peak energy generated (kWh): Fuel type:	Displacement Programs:	
	Other Programs (specify):		
	Metric (specify):		
D.	Program Costs*:		
	Utility direct costs (\$):	Incremental capital:	
		Incremental O&M:	\$ 3,746.03
		Incentive:	
		Total:	\$ 3,746.03
	Utility indirect costs (\$):	Incremental capital:	
		Incremental O&M:	
		Total:	
	Participant costs (\$):	Incremental equipment:	
		Incremental O&M:	
		Total:	

E. Comments:



*Please refer to the TRC Guide for the treatment of equipment cost in the TRC Test.

Appendix B - Discussion of the Program

(complete this section for each program)

A. Name of the Program:

Decorative Lighting Efficiency

Description of the program (including intent, design, delivery, partnerships and evaluation):

We exchanged some seasonal incandescent lighting to LED lighting.

Measure	(-)	۱.
weasure	5	

medoure(o).	Measure 1	Measure 2		Measure 3
Base case technology:	Incandescent Decorative Lighting	0.00		0.00
Efficient technology:	LED Decorative Lighting	0.00		0.00
Number of participants or units				
delivered:	42.00		0.00	0.0
Measure life (years):	30.00		0.00	0.0
TRC Results:		¢	CC0 40	
TRC Benefits (\$):		\$	662.42	
Measure's Costs (\$):	Litility program cost (loss incontines)	ሱ	70.00	
	Utility program cost (less incentives): Participant cost:		79.80	
			-	
	Total TRC costs:	\$	79.80	
Net TRC (in year CDN \$):			\$582.62	
Benefit to Cost Ratio (TRC Benefits/T	RC Costs):	8.30		
Υ.	,			
Results: (one or more category may a	apply)			
Conservation Programs:				
Demand savings (kW):	Summer	0.00		
	Winter	0.33		
	lifecycle	in year		
Energy saved (kWh):	22,571.59	752.39		
Other resources saved :				
Natural Gas (m3			0	
Water (1) 0		0	
	^			
Expenditures per kWh Saved (\$/kWh)				
Expenditures per kW Saved (\$/kW)	#DIV/0!			
Demand Management Programs:				
Controlled load (kW)				
Energy shifted On-peak to Mid-peak ((k/M/h):			
Energy shifted On-peak to Off-peak (
Energy shifted Mid-peak to Off-peak (KVVN):			
Demand Response Programs:				
Dispatchable load (kW):				
Peak hours dispatched in year (hours,):			
Power Factor Correction Programs				
Amount of KVar installed (KVar):	-			
Distribution system power factor at be				

Line Loss Reduction Programs:

Peak load savings (kW):			
	lifecycle	in year	
Energy savngs (kWh):			
Distributed Generation and Loa	ad Displacement Programs:		
Amount of DG installed (kW):			
Energy generated (kWh):			
Peak energy generated (kWh):			
Fuel type:			
Other Programs (specify):			
Metric (specify):			
Program Costs*:			
Utility direct costs (\$):	Incremental capital:	\$ -	
	Incremental O&M:	\$ 1,955.49	
	Incentive:	\$ -	
	Total:	\$ 1,955.49	
Utility indirect costs (\$):	Incremental capital:	\$ -	
, (1)	Incremental O&M:	\$ -	
	Total:	\$ -	
Total Utility Cost of Program		\$ 1,955.49	
Participant costs (\$):	Incremental equipment:	\$ -	
	Incremental O&M:	\$ -	
	Total:	\$ -	
Grand Total Program Cost		\$ 1,955.49	

E. Comments:

*Please refer to the TRC Guide for the treatment of equipment cost in the TRC Test.



TOTAL RESOURCE COST TEST ASSESSMENT OF THE '2005 LIGHTEN YOUR ELECTRICITY BILL' PROGRAM

For Centre Wellington Hydro

> By SeeLine Group Inc. 416-703-8695

> > February 2006



1.0 Introduction

Energyshop.com was engaged by 32 Local Distribution Companies (LDCs), across the province of Ontario, to design, deliver and track a fall coupon campaign with retailer Canadian Tire. Throughout the late summer and early fall billing periods, participating utilities provided their customers with a bill insert containing valuable energy-savings coupons to help them save on their electricity bill.

Customers from each of the 32 LDCs, had until December 31, 2005 to redeem their point of purchase coupons at any local Canadian Tire outlet. Upon redemption, Canadian Tire sent the coupon to a redemption house, who then sorted by utility and product.

As part of this effort, SeeLine Group Inc. (SLG) was asked to undertake a Total Resource Costs (TRC) test assessment of the 2005 Lighten Your Electricity Bill Program. Using many of the technology cost and savings estimates outlined in the Ontario Energy Board's TRC Guide, program results were screened using SLG's SeeTool[™] TRC Calculator.

This report includes a summary of assumptions and results from the TRC screening. Appendix A and B provides the detailed information on program assumptions.

2.0 Program Objectives

As outlined by Energyshop.com, this program was designed to achieve the following objectives:

- To help participating utilities achieve energy conservation and demand management results for their 2005 program year.
- Increase public awareness of energy conservation and demand management in the province of Ontario.
- Contribute to the overall development of an energy conservation culture in Ontario.

3.0 Program Results

3.1 Technology Savings Assumptions

SLG used many of the technology savings identified by the OEB in its Total Resource Guide.¹ For those technologies without defined savings, every effort was made to develop reasonable assumptions, defensible under the OEB guidelines. The following provides a brief outline of the savings assumptions used for this assessment.

Compact Fluorescent Bulbs

The 2005 program provided customers with a \$3 coupon on any pack of compact fluorescent bulbs. Using store data provided by Energyshop.com, the number of bulbs

¹ <u>http://www.oeb.gov.on.ca/documents/cases/RP-2004-0203/cdm_assumptionsmeasureslist_141005.xls</u>



sold by wattage was used to develop the average wattage of bulb sold. Based on this information, it was assumed that the average wattage sold during this program was 15 watts. Additional detail can be found in Appendix A.

LED Seasonal Lights

Like the CFLs, customers were provided with a \$5 coupon for the purchase of any package of LED seasonal lights. Using store data provided by Energyshop.com, average size of LED light string sold during the campaign was determined. Based on this information, it was assumed that the average string sold had 59 bulbs.

Using the information in the OEB's TRC Guide, LED savings assumptions were adjusted to reflect a string with 59 bulbs as opposed to the 25 bulbs per string. Additional detail can be found in Appendix A.

With guidance from Energyshop.com, it was also assumed that 50% of the LED lights sold were those replacing a 5 watt Christmas string and the remaining 50% were used to replace mini lights which yields a slightly lower savings.

Ceiling Fans

At the time of this analysis, SLG felt there was not enough significant evidence to support a savings estimate for ceiling fans.

Programmable Thermostats

SLG used the savings estimate outlined in the OEB's TRC Guide. Participant rates were adjusted to account for market share. Using data provided by Energyshop.com and other studies, the following province wide fuel share assumptions were used:

Electrical Space Heating	17.3%
Electrical Space Cooling (central air)	45.0%

Indoor Timers

In the absence of OEB savings estimates for indoor timers, SLG developed savings estimates for timers used on indoor lighting and air conditioners. Detailed information can be found in Appendix B.

The savings estimate for timers for indoor lighting is considered to be small. It assumes that the timer is used on a 60 W bulb and provides savings during the winter peak, winter mid peak and summer peak periods. In total, the timer is expected to provide approximately 98 kWh savings.

The savings estimate developed for timers used on unit air conditioners is based on the owner setting the timer to bring the air conditioner on a few hours before he or she arrives home. Based on this assumption, a timer used for a unit air conditioner would provide approximately 108 kWh in annual savings.

Based on discussions with EnergyShop.com it was assumed that 50% of the timers would be used for lighting and the remaining 50% would be used for air conditioners.



SLG made an additional assumption and assumed that it was unlikely that all of the timers would be used appropriately; participation rates were reduced by 30%.

Outdoor Timers

The savings estimate for the outdoor timer is based on information from the OEB's TRC Guide.

EnerGuide for Homes

Based on information provided by Energyshop.com the potential savings for space heating load is estimated to be 250 kWh. Using the participant data provided by EnergyShop.com, SLG made adjustments to account for uptake on the audit recommendations and fuel market share.



3.2 Summary of Program Participation

Technology	Number of Participants	Freeridership
Compact Fluorescent Bulbs	213	10.0%
LED Christmas Lights (indoor or		
outdoor) Replacing 5w Christmas		
Lights C-7 (25 Lights)	101	10.0%
LED Christmas Lights (indoor or		
outdoor) Replacing Incandescent		
Mini Lights	100	10.0%
Programmable Thermostat -		
Space Heating, Existing Single		
Family Detached	12	10.0%
Programmable Thermostat -		
Space Cooling, Existing Single		
Family Detached	31	10.0%
Timer - Outdoor Light	17	10.0%
Timer - Indoor - Light	4	10.0%
Timer - Indoor - Air Conditioners	3	10.0%
Ceiling Fan	14	10.0%
EnerGuide for Existing Homes -		
Space Heating	-	10.0%

* Adjusted for fuel share and usage uptake

3.3 Summary of Net Program Savings

Technology	Summer Peak kW Savings	Annual kWh Savings in Year	Measure Life	Lifecycle kWh Savings
Compact Fluorescent Bulbs	0	53,036	4	212,142.89
LED Christmas Lights (indoor or outdoor) Replacing 5w Christmas Lights C-7 (25 Lights)	0.00	4045.24	30.00	121,357.08
LED Christmas Lights (indoor or outdoor) Replacing Incandescent Mini Lights	0.00	4500.05	00.00	
December of the man of the	0.00	1532.85	30.00	45,985.45
Programmable Thermostat - Space Heating, Existing Single Family Detached	0.00	15753.36	18.00	283,560.53
Programmable Thermostat - Space Cooling, Existing Single Family Detached	0.00	10100100	10.00	200,000.00
	4.55	4445.60	18.00	80,020.84
Timer - Outdoor Light	0.00	4467.60	20.00	89,352.00
Timer - Indoor - Light	0.21	353.09	20.00	7,061.76
Timer - Indoor - Air Conditioners	0.47	293.76	20.00	5,875.20
Ceiling Fan	0.00	0.00	20.00	0.00
EnerGuide for Existing Homes - Space Heating	_	_		
	0.00	0.00	25.00	0.00
Total		83,927		845,356



3.4 Summary of Total Resource Cost Test Results

Technology	TRC Benefits	Incremental Equipment Costs	Utility Program Costs	TRC Net Benefits	TRC B/C Ratio
Compact Fluorescent Bulbs	\$12,929	\$1,016	\$ -	\$11,913	12.73
LED Christmas Lights					
(indoor or outdoor)					
Replacing 5w Christmas					
Lights C-7 (25 Lights)	\$3,765	\$182	\$-	\$3,583	20.71
LED Christmas Lights					
(indoor or outdoor)					
Replacing Incandescent	* 4 407	\$ 400	^	* 4 • 4 7	7.00
Mini Lights	\$1,427	\$180	\$-	\$1,247	7.93
Programmable Thermostat - Space Heating, Existing					
Single Family Detached					
Single Farming Detached	\$10,798	\$645	\$-	\$10,153	16.75
Programmable Thermostat -					
Space Cooling, Existing					
Single Family Detached	#F 004	¢4.077	¢	* 0 707	0.04
Timor Outdoor Light	\$5,384	\$1,677	\$-	\$3,707	3.21
Timer - Outdoor Light	\$3,321	\$306	\$-	\$3,015	10.85
Timer - Indoor - Light	\$374	\$25	\$-	\$348	14.83
Timer - Indoor - Air					
Conditioners	\$461	\$19	\$-	\$442	24.38
Ceiling Fan	\$-	\$529	\$-	(\$529)	0.00
EnerGuide for Existing	Ť		· · ·		
Homes - Space Heating					
	\$-	\$-	\$-	\$-	n/a
Program Costs	\$-	\$-	\$1,340	(\$1,340)	0.00
Total	* 00.450	* 4 5 - 0		****	0.42
IUlai	\$38,459	\$4,579		\$33,880	8.40



Appendix A

Compact Fluorescent Bulb and LED Light Details



Data provided by Energyshop.com

CFL Sales - Ontario

Number 052-5109-0 COMPFL-REPI 052-5119-6 COMPFL-REPI 052-5120-0 CFL 13W SPIR 052-5121-8 CFL 26W SPIR 052-5125-0 26W MINI ON 052-5126-8 10W MINI 2PK 052-5126-8 26W MINI 2PK 052-5126-8 26W MINI 2PK 052-5128-4 CFL 10W SPIR 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5140-2 TRI 15/26/40 N 052-5140-2 TRI 12/23/32 M 052-5140-2 TRI 12/23/32 M 052-5153-2 13W MINI BLU 052-5153-2 13W MINI BLU 052-5153-2 13W MINI BLU 052-5167-0 TUBE-CIRCLN 052-5176-8 TUBE-CIRCLN 052-5182-2 CFL 12/20/26W 052-5182-2 CFL BUG LIGH 052-5193-6 13W MINI BUG 052-5193-6 13W MINI NOM 052-5193-6 13W MINI NOM 052-5193-6 13W MINI NOM 052-5332-6 COMPFL 15W <th>scription</th> <th>Watts</th> <th>Pack</th> <th>Units</th> <th>Bulbs</th> <th>Ave # of</th> <th colspan="3">Average Wattage</th>	scription	Watts	Pack	Units	Bulbs	Ave # of	Average Wattage		
052-5119-6 COMPFL-REPL 052-5121-8 CFL 13W SPIR 052-5121-8 CFL 26W SPIR 052-5125-0 26W MINI ADM 052-5126-8 10W MINI 2PK 052-5127-6 26W MINI 2PK 052-5137-2 45W MINI GE 052-5135-6 32W MINI GE 052-5137-2 45W MINI GE 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5144-0 TRI 15/26/40 N 052-5144-0 TRI MABLE 29 052-5153-2 13W MINI BLU 052-5153-2 13W MINI BLU 052-5153-2 TUBE-CIRCLN 052-5180-0 TUBE-CIRCLN 052-5180-2 CFL 12/20/26W 052-5180-3 TUBE-CIRCLN 052-5180-2 CFL BUG LIGH 052-5180-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5193-6 13W MINI NOM 052-5331-8 COMPFL 15W 052-5335-0 <td< th=""><th></th><th>40</th><th>Size</th><th>Sold</th><th>Sold</th><th>bulbs</th><th>Wattage</th></td<>		40	Size	Sold	Sold	bulbs	Wattage		
052-5120-0 CFL 13W SPIR 052-5121-8 CFL 26W SPIR 052-5125-0 26W MINI OPK 052-5125-0 26W MINI 2PK 052-5127-6 26W MINI 2PK 052-5128-4 CFL 10W SPIR 052-5137-2 45W MINI GE 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5140-2 TRI 15/26/40 N 052-5140-2 TRI 15/26/40 N 052-5140-3 13W MINI BLU 052-5140-0 13W MINI BLU 052-5157-4 13W MINI BLU 052-5167-0 TUBE-CIRCLN 052-5176-8 TUBE-CIRCLN 052-5180-0 COMPFL 26W 052-5180-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5190-2 CMPFL 26W 052-5193-6 13W NAT/COCO 052-5194-7 13W MINI NOM 052-5332-8 COMPFL 15W 052-5334-2 COMPFL 15W 052-5335-8		13 9	1	3,510 794	3,510		45630		
052-5121-8 CFL 26W SPIR 052-5124-2 13W MINI 6PK 052-5126-8 10W MINI 2PK 052-5127-6 26W MINI 2PK 052-5128-4 CFL 10W SPIR 052-5137-6 32W MINI GE 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5141-0 TRI 12/23/32 M 052-5141-0 TRI 12/23/32 M 052-5144-4 DIMMABLE 290 052-5153-2 13W MINI BLU 052-5167-4 13W MINI BLU 052-5167-5 13W MINI BLU 052-5176-8 13W MINI BLU 052-5182-2 CFL 12/20/26W 052-5182-3 COMPFL 26W 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5192-8 11W MINI BUG 052-5192-8 13W MINI NOW 052-5192-8 13W MINI NOW 052-5192-8 13W MINI NOW 052-5332-8 COMPFL 23W 052-5333-4 COMPFL 15W 052-5355-2 R30 15W FLD 1 052-5355-2		-		-	794		7144.2		
052-5124-2 13W MINI 6PK 052-5125-0 26W MINI NOM 052-5126-8 10W MINI 2PK 052-5128-4 CFL 10W SPIR 052-5137-6 32W MINI GE 052-5137-6 32W MINI GE 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5140-3 TRI 12/23/32 M 052-5140-4 DIMMABLE 290 052-5157-4 13W MINI BLU 052-5157-4 13W MINI BLU 052-5167-5 13W MINI BLU 052-5167-6 13W MINI BLU 052-5176-8 13W MINI BLU 052-5182-2 CFL BUG LIGH 052-5190-2 COMPFL 26W 052-5190-2 COMPFL 26W 052-5190-2 IW MINI NOM 052-5190-2 COMPFL 15W 052-5331-8 COMPFL 15W 052-5332-8 R20 11W FLD 1 052-5355-2		13	3	79,920	239,760		3116880		
052-5125-0 26W MINI NOM 052-5126-8 10W MINI 2PK 052-5127-6 26W MINI 2PK 052-5135-6 32W MINI GE 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5140-2 TRI 12/23/32 M 052-5144-4 DIMMABLE 290 052-5153-2 13W MINI BLA 052-5153-2 13W MINI BLA 052-5168-3 TUBE-CIRCLN 052-517-4 13W MINI BLA 052-5175-4 13W MINI BLA 052-5182-2 CFL 12/20/26W 052-5182-3 COMPFL 26W 052-5182-4 CFL BUG LIGH 052-5190-5 COMPFL 26W 052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5193-6 13W MINI NOM 052-5194-7 13W MINI NOM 052-5195-2 10W MINI NOM 052-5332-6 COMPFL 15W 052-5332-7 ROMFL 15W 052-5352-8 R20 11W FLD 1 052-5355-8 R20 11W FLD 1 052-5356-9		26	3	60,480	181,440		4717440		
052-5126-8 10W MINI 2PK 052-5127-6 26W MINI 2PK 052-5137-6 32W MINI GE 052-5137-2 45W MINI GE 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5144-4 DIMMABLE 29 052-5153-2 13W MINI BLAI 052-5153-2 13W MINI BLAI 052-5153-2 13W MINI BLAI 052-5157-4 13W MINI BLAI 052-5157-4 13W MINI BLUI 052-5176-8 TUBE-CIRCLNI 052-5182-2 CFL 12/20/26W 052-5183-0 COMPFL 26W 052-5182-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5193-6 13W NAT/COCI 052-5193-7 10W MINI NOM 052-5193-8 COMPFL 28W 052-5332-6 COMPFL 15W 052-5333-7 COMPFL 15W 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 23W FL 052-5366-7 <		13	6	41,310	247,860		3222180		
052-5127-6 26W MINI 2PK 052-5135-6 32W MINI GE 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5140-2 TRI 15/26/40 N 052-5140-2 TRI 15/26/40 N 052-5144-4 DIMMABLE 29N 052-5146-0 13W MINI BLA 052-5157-4 13W MINI BLU 052-5157-4 13W MINI BLU 052-5167-0 TUBE-CIRCLN 052-5183-0 COMPFL 26W 052-5183-0 COMPFL 26W 052-5190-2 CFL BUG LIGH 052-5193-6 13W MINI BUG 052-5193-7 13W NAT/COC 052-5193-6 13W NAT/COC 052-5193-6 13W MINI NOM 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5333-4 COMPFL 15W 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-8 R20 11W FLD 1 052-5355-8 RA38 23W FL 052-5361-6 PAR38 23W FL 052-5366-7		26	1	4,644	4,644		120744		
052-5128-4 CFL 10W SPIR 052-5135-6 32W MINI GE 052-5137-2 45W MINI GE 052-5141-0 TRI 15/26/40 N 052-5141-0 TRI 12/23/32 M 052-5141-0 TRI 12/23/32 M 052-5144-4 DIMMABLE 290 052-5153-2 13W MINI BLU 052-5157-4 13W MINI BLU 052-5167-0 TUBE-CIRCLN 052-5176-8 13W MINI BLU 052-5183-0 COMPFL 26W 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5194-4 23W NAT/COOL 052-5195-2 10W MINI NOM 052-5196-0 13W MINI NOM 052-5331-8 COMPFL 15W 052-5333-4 COMPFL 15W 052-5335-6 R20 11W FLD 1 052-5355-7 R30 15W FLD 0 052-5356-8 RA38 23W FL 052-5366-7 R30 15W FLD 1 052-5366-8 PAR38 23W FL 052-5367-8 PAR38 23W FL 052-5366-7		10	2	10,800	21,600		216000		
052-5135-6 32W MINI GE 052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5144-4 DIMMABLE 29 052-5146-0 13W MINI BLA 052-5146-0 13W MINI BLA 052-5153-2 13W MINI BLA 052-5157-4 13W MINI BLA 052-5157-4 13W MINI BLA 052-5168-2 13W MINI BLA 052-5167-4 13W MINI BLA 052-5167-5 13W MINI BLA 052-5167-6 TUBE-CIRCLN 052-5176-8 13W MINI PLA 052-5182-2 CFL 12/20/26W 052-5190-3 COMPFL 26W 052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5195-2 10W MINI NOM 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 15W 052-5332-6 COMPFL 15W 052-5334-2 COMPFL 15W 052-5352-8 R20 11W FLD 1 052-5354-7 RA38 26W FL 052-5355-8 PAR38 23W FL 052-5366-8 PAR		26	2	15,390	30,780		800280		
052-5137-2 45W MINI GE 052-5140-2 TRI 15/26/40 N 052-5140-0 TRI 12/23/32 M 052-5144-0 TRI 12/23/32 M 052-5146-0 13W MINI BLA 052-5153-2 13W MINI BLA 052-5153-2 13W MINI BLA 052-5153-2 13W MINI BLA 052-5157-4 13W MINI BLA 052-5167-0 TUBE-CIRCLN 052-5176-8 TUBE-CIRCLN 052-5182-2 CFL 12/20/26W 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5193-6 13W NAT/COOL 052-5195-2 10W MINI NOM 052-5195-2 13W MINI NOM 052-5331-8 COMPFL 15W 052-5332-6 COMPFL 15W 052-5352-8 R20 11W FLD 1 052-5356-0 R30 15W FLD 1 052-5366-8		10	3	32,940	98,820		988200		
052-5140-2 TRI 15/26/40 N 052-5141-0 TRI 12/23/32 M 052-5144-0 I3W MINI BLA 052-5153-2 I3W MINI BLA 052-5153-2 I3W MINI BLA 052-5157-4 I3W MINI BLA 052-5157-4 I3W MINI BLA 052-5157-4 I3W MINI BLA 052-5167-0 TUBE-CIRCLN 052-5176-8 TUBE-CIRCLN 052-5182-2 CFL 12/20/26W 052-5183-0 COMPFL 26W 052-5191-0 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5193-6 I3W NAT/COC 052-5195-2 I0W MINI NOM 052-5331-8 COMPFL 15W 052-5335-0 COMPFL 15W 052-5355-2 R30 15W FLD 0 052-5355-8 R20 11W FLD 1 052-5355-8 R20 11W FLD 1 052-5356-8 RA38 26W FL 052-5357-8 PAR38 23W FL 052-5366-8 RA38 23W FL 052-5366-9		32	1	1,620	1,620		51840		
052-5141-0 TRI 12/23/32 M 052-5144-4 DIMMABLE 29 052-5146-0 13W MINI BLA 052-5157-2 13W MINI BLU 052-5157-4 13W MINI BLU 052-5157-4 13W MINI BLU 052-5167-0 TUBE-CIRCLN 052-5167-0 TUBE-CIRCLN 052-5182-2 CFL 12/20/26W 052-5183-0 COMPFL 26W 052-5190-2 CFL BUG LIGH 052-5193-6 13W NAT/COOL 052-5193-6 13W NAT/COOL 052-5193-6 13W MINI NOM 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5355-2 R30 15W FLD 0 052-5355-8 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 052-5361-8 <t< td=""><td></td><td>45</td><td>1</td><td>3,024</td><td>3,024</td><td></td><td>136080</td></t<>		45	1	3,024	3,024		136080		
052-5144-4 DIMMABLE 290 052-5146-0 13W MINI BLA 052-5153-2 13W MINI RED 052-5159-0 13W MINI BLU 052-5167-4 13W MINI BLU 052-5167-0 TUBE-CIRCLN 052-5182-2 CFL 12/20/26W 052-5182-2 CFL 12/20/26W 052-5182-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5193-6 13W MINI NOW 052-5194-4 23W NAT/COO 052-5333-6 COMPFL 26W 052-5333-8 COMPFL 15W 052-5333-4 COMPFL 15W 052-5333-5 COMPFL 15W 052-5333-6 COMPFL 15W 052-5335-7 R30 15W FLD 0 052-5355-8 R20 11W FLD 1 052-5355-8 R20 11W FLD 1 052-5355-8 R30 15W FLD 1 052-5356-9 R338 23W FL 052-5366-0 R438 23W FL 052-5366-7 A-LINE 15W RG 052-5366-8 R40 26W FLD 1 052-5366-7 <td< td=""><td></td><td>40</td><td>1</td><td>1,890</td><td>1,890</td><td></td><td>75600</td></td<>		40	1	1,890	1,890		75600		
052-5146-0 13W MINI BLA 052-5153-2 13W MINI RED 052-5157-4 13W MINI GRE 052-5167-0 TUBE-CIRCLN 052-5167-0 TUBE-CIRCLN 052-5167-0 TUBE-CIRCLN 052-5167-0 TUBE-CIRCLN 052-5176-8 13W MINI BUG 052-5182-2 CFL 12/20/26W 052-5190-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 15W 052-5332-6 COMPFL 15W 052-5334-2 COMPFL 15W 052-5355-8 R20 11W FLD 1 052-5355-9 R30 15W FLD 1 052-5355-8 RA38 26W FL 052-5362-8 PAR38 23W FL 052-5365-8 PAR38 23W FL 052-5366-9 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-7 A-LINE 15W NG 052-5367-4 A		32	1	1,620	1,620		51840		
052-5153-2 13W MINI RED 052-5157-4 13W MINI GRE 052-5168-8 TUBE-CIRCLN 052-5168-8 TUBE-CIRCLN 052-5176-8 13W MINI 2PK 052-5182-2 CFL 12/20/26W 052-5182-2 CFL 12/20/26W 052-5182-2 CFL 12/20/26W 052-5182-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5195-2 10W MINI NOM 052-5195-2 10W MINI NOM 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5355-2 R30 15W FLD 1 052-5356-3 R20 11W FLD 1 052-5356-4 RA38 26W FL 052-5356-5 R30 15W FLD 1 052-5366-8 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-7 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-7	E 29W BIAX GE	29	1	216	216		6264		
052-5157-4 13W MINI GRE 052-5159-0 13W MINI BLU 052-5167-0 TUBE-CIRCLNI 052-5176-8 TUBE-CIRCLNI 052-5176-8 TUBE-CIRCLNI 052-5182-2 CFL 12/20/26W 052-5183-0 COMPFL 26W 052-5191-0 CFL BUG LIGH 052-5191-1 CFL BUG LIGH 052-5191-2 10W MINI NOM 052-5194-2 10W MINI NOM 052-5331-8 COMPFL 19WG 052-5332-6 COMPFL 15W 052-5352-8 R20 11W FLD 10 052-5353-6 R30 15W FLD 10 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 23W FL 052-5366-7 RA0 26W FLD 10 052-5366-8 R40 26W FLD 10 052-5366-8 R40 26W FLD 10 052-5366-9 AR38 23W FL 052-5366-8 R40 26W FLD 10 052-5366-8 <td>BLACK NOMA</td> <td>13</td> <td>1</td> <td>2,754</td> <td>2,754</td> <td></td> <td>35802</td>	BLACK NOMA	13	1	2,754	2,754		35802		
052-5159-0 13W MINI BLU 052-5167-0 TUBE-CIRCLN 052-51767-8 TUBE-CIRCLN 052-5182-2 CFL 12/20/26W 052-5183-0 COMPFL 26W 052-5190-2 CFL BUG LIGH 052-5193-8 11W MINI BUG 052-5190-2 CFL BUG LIGH 052-5193-6 13W NAT/COOL 052-5193-6 13W NAT/COOL 052-5193-6 13W NAT/COOL 052-53196-0 13W MINI NOM 052-5332-6 COMPFL 15W 052-5332-6 COMPFL 15W 052-5332-7 R20 11W FLD 1 052-5353-8 R20 11W FLD 1 052-5355-2 R30 15W FLD 1 052-5355-8 R30 15W FLD 1 052-5355-8 R20 11W FLD 1 052-5356-8 RA38 23W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 052-5361-8 PAQ 26W FLD 1 052-5361-9 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 052-5361-8	RED NOMA	13	1	3,240	3,240		42120		
052-5167-0 TUBE-CIRCLNI 052-5168-8 TUBE-CIRCLNI 052-5176-8 13W MINI 2PK 052-5183-0 COMPFL 26W 052-5183-0 CFL 12/20/26W 052-5183-0 COMPFL 26W 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5193-6 13W NAT/COCI 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 15W 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5355-2 R30 15W FLD 0 052-5355-8 RA20 26W FLD 0 052-5356-9 RA38 23W FL 052-5361-6 PAR38 23W FL 052-5362-7 PAR38 23W FL 052-5366-7 A-LINE 11W GI 052-5366-8 R40 26W FLD 1 052-5367-4 A-LINE 15W NG 052-5377-0	GREEN NOMA	13	1	3,348	3,348		43524		
052-5168-8 TUBE-CIRCLNI 052-5176-8 13W MINI 2PK 052-5182-2 CFL 12/20/26W 052-5189-8 11W MINI BUG 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5192-7 13W MINI NOM 052-5192-8 9W NAT/COOL 052-5195-2 10W MINI NOM 052-5196-0 13W MINI NOM 052-5331-8 COMPFL 9WG 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5355-2 R30 15W FLD 1 052-5355-2 R30 15W FLD 1 052-5355-2 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5356-1 PAR38 23W FL 052-5362-8 PAR38 23W FL 052-5362-8 PAR38 23W FL 052-5362-9 PAR38 23W FL 052-5362-8 PAR38 23W FL 052-5362-9 PAR38 23W FL 052-5362-8 R40 26W FLD 1 052-5362-9	BLUE NOMA	13	1	3,456	3,456		44928		
052-5176-8 13W MINI 2PK 052-5182-2 CFL 12/20/26W 052-5183-0 COMPFL 26W 052-5190-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5190-2 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5195-2 10W MINI NOM 052-5195-2 10W MINI NOM 052-5196-0 13W MINI NOM 052-5332-6 COMPFL 7W A 052-5332-6 COMPFL 15W 052-5335-7 ROMPFL 15W 052-5355-8 R20 11W FLD 1 052-5355-2 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5366-8 PAR38 26W FL 052-5366-8 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-7 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-7 PAR38 23W FL 052-5367-4 A-LINE 15W NG 052-5367-4	CLNE12"32WKB	32	1	540	540		17280		
052-5182-2 CFL 12/20/26W 052-5183-0 COMPFL 26W 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5193-6 13W NAT/COOL 052-5194-4 23W NAT/COOL 052-5196-0 13W MINI NOM 052-5332-6 COMPFL 9WG 052-5332-6 COMPFL 15W 052-5352-8 R20 11W FLD 1 052-5352-8 R20 11W FLD 1 052-5352-8 R20 11W FLD 1 052-5355-0 R30 15W FLD 1 052-5355-8 RA38 26W FL 052-5356-8 RA38 23W FL 052-5366-8 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-7 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-7 A-LINE 15W M 052-5366-8 R40 26W FLD 1 052-5367-4 A-LINE 15W M 052-5377-0 G30 15W GE 052-5377-0	CLNE8"22WK&B	22	1	918	918		20196		
052-5183-0 COMPFL 26W 052-5189-8 11W MINI BUG 052-5190-2 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5193-6 13W NAT/COOL 052-5193-6 13W NAT/COOL 052-5193-6 13W NAT/COOL 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 9WG 052-5333-4 COMPFL 15W 052-5332-6 COMPFL 15W 052-5353-6 R20 11W FLD 0 052-5353-6 R20 11W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-8 R20 11W FLD 0 052-5356-0 R30 15W FLD 0 052-5357-8 PAR38 26W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 052-5362-8 R40 26W FLD 0 052-5364-0 R40 26W FLD 0 052-5366-7 A-LINE 11W GI 052-5367-8 R40 26W FLD 0 052-5377-9	2PK GE	13	2	32,454	64,908		843804		
052-5189-8 11W MINI BUG 052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5193-6 13W NAT/COO 052-5193-6 13W NAT/COO 052-5193-6 13W NAT/COO 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5355-2 R20 11W FLD 1 052-5355-2 R30 15W FLD 0 052-5356-0 R30 15W FLD 0 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 0 052-5362-8 R40 26W FLD 10 052-5363-9 A-LINE 11W GI 052-5366-7 A-LINE 15W NG 052-5367-4 A-LINE 15W NG 052-5377-5 G30 15W GE 052-5377-6	26W TRILIT	26	1	3,780	3,780		98280		
052-5190-2 CFL BUG LIGH 052-5191-0 CFL BUG LIGH 052-5193-6 13W NAT/COOL 052-5193-6 13W NAT/COOL 052-5195-2 10W MINI NOM 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5355-2 R20 11W FLD 1 052-5355-2 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5357-8 PAR38 26W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5364-0 R40 26W FLD 1 052-5365-8 R40 26W FLD 1 052-5367-4 A-LINE 15W NG 052-5367-4 A-LINE 15W NG 052-5377-4 G25 9W NOMA 052-5377-5	6W SW DIMMBL	26	1	1,620	1,620		42120		
052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5193-6 13W NAT/COOL 052-5195-2 10W MINI NOM 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5352-8 R20 11W FLD 1 052-5352-8 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5366-8 PAR38 26W FL 052-5366-8 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-7 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-7 R40 26W FLD 1 052-5366-8 R40 26W FLD 1 052-5366-9 A-LINE 15W NG 052-5367-4 A-LINE 15W NG 052-5377-4 G25 9W NOMA 052-5377-5	BUG LGHT GE	11	1	540	540		5940		
052-5191-0 CFL BUG LIGH 052-5192-8 9W NAT/COOL 052-5193-6 13W NAT/COOL 052-5195-2 10W MINI NOM 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5352-8 R20 11W FLD 1 052-5352-8 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5356-8 PAR38 26W FL 052-5366-8 PAR38 23W FL 052-5366-7 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-7 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-7 R40 26W FLD 1 052-5366-8 R40 26W FLD 1 052-5366-7 A-LINE 15W NG 052-5367-4 A-LINE 15W NG 052-5377-4 G25 9W NOMA 052-5377-5	LIGHT 13W	13	1	2,052	2,052		26676		
052-5192-8 9W NAT/COOL 052-5193-6 13W NAT/COO 052-5194-4 23W NAT/COO 052-5195-2 10W MINI NOM 052-5196-0 13W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 15W 052-5335-0 COMPFL 15W 052-5352-8 R20 11W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 0 052-5357-8 PAR38 26W FL 052-5356-10 R30 15W FLD 0 052-5357-8 PAR38 26W FL 052-5366-8 PAR38 23W FL 052-5366-7 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-8 R40 26W FLD 1 052-5366-8 R40 26W FLD 1 052-5366-7 A-LINE 15W MI 052-5366-8 R40 26W FLD 1 052-5366-9 A-LINE 15W MI 052-5367-4 A-LINE 15W MI 052-5377-0 G30 15W GE 052-5377-8 CHANDLR 5W 052-5377-8 CHANDLR 5W 052-5377-0		23	1	864	864		19872		
052-5193-6 13W NAT/COC 052-5194-4 23W NAT/COC 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 9WG 052-5331-8 COMPFL 7W A 052-5332-6 COMPFL 15W 052-5333-4 COMPFL 15W 052-5333-6 COMPFL 15W 052-5353-6 R20 11W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-6 R30 15W FLD 0 052-5356-7 PAR38 26W FL 052-5356-8 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-6 R40 26W FLD 1 052-5366-7 R40 26W FLD 1 052-5366-8 R40 26W FLD 1 052-5366-7 A-LINE 11W GI 052-5366-8 R40 26W FLD 1 052-5366-9 R40 26W FLD 1 052-5366-9 R40 26W FLD 1 052-5366-7 A-LINE 11W GI 052-5370-8 CHANDLR 5W 052-5377-9 G30 15W GE 052-5377-8 CHANDLR 7W 052-5377-8 <td< td=""><td>OOL 2PK NOMA</td><td>9</td><td>2</td><td>13,554</td><td>27,108</td><td></td><td>243972</td></td<>	OOL 2PK NOMA	9	2	13,554	27,108		243972		
052-5194-4 23W NAT/COC 052-5195-2 10W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 7W A 052-5333-4 COMPFL 15W 052-5333-4 COMPFL 15W 052-5334-2 COMPFL 15W 052-5335-0 COMPFL 15W 052-5355-2 R20 11W FLD 1 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 0 052-5356-0 R30 15W FLD 0 052-5357-8 PAR38 26W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 052-5361-8 R40 26W FLD 1 052-5361-9 PAR38 23W FL 052-5366-7 R40 26W FLD 1 052-5366-8 R40 26W FLD 1 052-5367-4 A-LINE 11W GI 052-5367-4 A-LINE 15W NG 052-5377-7 G30 15W GE 052-5377-8 CHANDLR 5W 052-5377-8 CHANDLR 7W 052-5377-6 C	COOL 2PKNOMA	13	2	25,380	50,760		659880		
052-5195-2 10W MINI NOM 052-5196-0 13W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 15W 052-5334-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5335-0 COMPFL 15W 052-5352-8 R20 11W FLD 1 052-5355-2 R30 15W FLD 1 052-5355-2 R30 15W FLD 1 052-5355-2 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5357-8 PAR38 26W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5362-7 PAR38 23W FL 052-5361-8 PAQ 26W FLD 1 052-5362-8 R40 26W FLD 1 052-5363-9 PAR38 23W FL 052-5364-0 R40 26W FLD 1 052-5365-8 R40 26W FLD 1 052-5365-9 R-LINE 15W NG 052-5367-4 A-LINE 15W NG 052-5370-4 G25 9W NOMA 052-5377-5 G30 15W GE 052-5377-6 CHANDLR 5W 052-5377-7 <	COOL 2PKNOMA	23	2	19,440	38,880		894240		
052-5196-0 13W MINI NOM 052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 7W A 052-5333-4 COMPFL 15W 052-5334-2 COMPFL 15W 052-5335-0 COMPFL 15W 052-5352-8 R20 11W FLD 1 052-5355-2 R30 15W FLD 1 052-5355-2 R30 15W FLD 1 052-5356-0 RA38 26W FL 052-5362-4 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5362-5 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-7 R40 26W FLD 1 052-5366-8 R40 26W FLD 1 052-5367-4 A-LINE 15W MG 052-5377-0 G30 15W GE 052-5377-8 CHANDLR 5W 052-5377-6 CHANDLR 7W 052-5377-7 <t< td=""><td></td><td>10</td><td>1</td><td>2,160</td><td>2,160</td><td></td><td>21600</td></t<>		10	1	2,160	2,160		21600		
052-5331-8 COMPFL 9WG 052-5332-6 COMPFL 7W A 052-5333-4 COMPFL 15W 052-5335-0 COMPFL 15W 052-5335-0 COMPFL 15WF 052-5352-8 R20 11W FLD 1 052-5355-0 R30 15W FLD 1 052-5355-2 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 26W FL 052-5366-7 PAR38 23W FL 052-5366-8 PAR38 23W FL 052-5366-7 PAR38 23W FL 052-5366-8 R40 26W FLD 1 052-5366-7 R40 26W FLD 1 052-5366-8 R40 26W FLD 1 052-5366-7 A-LINE 15W MG 052-5367-8 R40 26W FLD 1 052-5368-2 A-LINE 15W MG 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W MOMA 052-5377-0 G30 15W GE 052-5377-8 CHANDLR 5W 052-5377-6 CHANDLR 7W 052-5377-7 CHANDLR 5W 052-5377-8 C		13	1	4,320	4,320		56160		
052-5332-6 COMPFL 7W A 052-5333-4 COMPFL 15W 052-5333-4 COMPFL 23W 052-5352-0 COMPFL 15WF 052-5352-8 R20 11W FLD 1 052-5353-6 R20 11W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 0 052-5356-0 R30 15W FLD 0 052-5356-0 R30 15W FLD 0 052-5356-0 PAR38 26W FL 052-5360-8 PAR38 23W FL 052-5360-8 PAR38 23W FL 052-5360-8 PAR38 23W FL 052-5360-8 PAR38 23W FL 052-5366-7 PAR38 23W FL 052-5366-8 R40 26W FLD 0 052-5366-7 R40 26W FLD 0 052-5366-8 R40 26W FLD 0 052-5366-7 A-LINE 11W GI 052-5366-7 A-LINE 15W NG 052-5366-7 A-LINE 15W GI 052-5371-2 G25 9W OGE 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5377-0		9	3	1,458	4,374		39366		
052-5333-4 COMPFL 15W 052-5334-2 COMPFL 23W 052-5335-0 COMPFL 15W 052-5353-6 R20 11W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 0 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 26W FL 052-5367-8 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 052-5361-8 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5364-0 R40 26W FLD 0 052-5366+0 A-LINE 15W NG 052-5370+1 G25 9W NOMA 052-5371+2 G25 9W NOMA 052-5372+0 G30 15W GE 052-5373+8 CHANDLR 7W 052-5375+4 CHANDLR 7W 052-5377+0 CHANDLR 7W 052-5377+0		7	1	3,186	3,186		22302		
052-5334-2 COMPFL 23W 052-5335-0 COMPFL 15WF 052-5355-2 R20 11W FLD 1 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 1 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 26W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-7 PAR38 23W FL 052-5361-8 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5364-0 R40 26W FLD 1 052-5366-6 R40 26W FLD 1 052-5367-4 A-LINE 11W GI 052-5367-4 A-LINE 15W NG 052-5367-4 A-LINE 15W NG 052-5371-2 G25 9W NOMA 052-5377-2 G30 15W GE 052-5377-3 CHANDLR 5W 052-5377-4 CHANDLR 7W 052-5377-5 CHANDLR 7W 052-5377-6 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-6 CHANDLR 7W 052-5377-6 CH		, 15	1	2,268	2,268		34020		
052-5335-0 COMPFL 15WF 052-5352-8 R20 11W FLD 1 052-5355-2 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5356-0 R30 15W FLD 1 052-5357-8 PAR38 26W FL 052-5358-6 PAR38 26W FL 052-5362-8 PAR38 23W FL 052-5362-6 PAR38 23W FL 052-5362-7 PAR38 23W FL 052-5362-8 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5362-5 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5365-8 R40 26W FLD 1 052-5365-8 R40 26W FLD 1 052-5365-8 R40 26W FLD 1 052-5366-7-4 A-LINE 15W GI 052-5377-2 G25 9W NOMA 052-5377-2 G25 9W NOMA 052-5377-2 G30 15W GE 052-5377-4 CHANDLR 5W 052-5377-5 CHANDLR 7W 052-5377-6 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-6		23	1	1,890	1,890		43470		
052-5352-8 R20 11W FLD 1 052-5353-6 R20 11W FLD 1 052-5355-2 R30 15W FLD 1 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 26W FL 052-5360-8 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5364-0 R40 26W FLD 1 052-5365-8 R40 26W FLD 1 052-5366-6 R40 26W FLD 1 052-5366-7 A-LINE 15W GI 052-5368-2 A-LINE 15W GI 052-5370-4 G25 9W GE 052-5371-2 G25 9W GE 052-5375-4 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-0 CHANDLR 5W 052-5377-8 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-6 CHA		15	2	2,484	4,968		74520		
052-5353-6 R20 11W FLD 0 052-5355-2 R30 15W FLD 0 052-5355-2 R30 15W FLD 0 052-5356-0 R30 15W FLD 0 052-5358-6 PAR38 26W FL 052-5358-6 PAR38 23W FL 052-5360-8 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5366-6 R40 26W FLD 0 052-5366-6 R40 26W FLD 0 052-5366-7-4 A-LINE 11W GI 052-5367-4 A-LINE 15W NG 052-5376-7 G25 9W NOMA 052-5377-0 G30 15W GE 052-5377-8 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-6 CHANDLR 7W 052-5377-6 CHANDLR 7W 052-5377-6 CHANDLR 7W 052-5377-6 CHAN		11	1	1,890	1,890		20790		
052-5355-2 R30 15W FLD 0 052-5356-0 R30 15W FLD 0 052-5357-8 PAR38 26W FL 052-5358-6 PAR38 23W FL 052-5360-8 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5364-0 R40 26W FLD 1 052-5366-6 R40 26W FLD 1 052-5366-74 A-LINE 11W GI 052-5366-74 A-LINE 15W NG 052-5366-74 A-LINE 15W NG 052-5376-74 G25 9W NOMA 052-5377-8 G30 15W GE 052-5377-0 G30 15W GE 052-5377-8 CHANDLR 7W 052-5377-6 CHANDLR 7W 052-5377-70 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-6 CHANDLR 7W		11	1	1,080	1,080		11880		
052-5356-0 R30 15W FLD 1 052-5357-8 PAR38 26W FL 052-5357-8 PAR38 26W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5363-2 PAR38 26W FLD 1 052-5366-6 R40 26W FLD 1 052-5366-6 R40 26W FLD 1 052-5367-4 A-LINE 11W GI 052-5367-4 A-LINE 15W NG 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W NOMA 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-6 CHANDLR 7W			1						
052-5357-8 PAR38 26W FL 052-5358-6 PAR38 26W FL 052-5361-6 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5364-0 R40 26W FLD I 052-5365-8 R40 26W FLD I 052-5367-4 A-LINE 11W GI 052-5367-4 A-LINE 15W NG 052-5369-0 A-LINE 15W NG 052-5370-4 G25 9W NOMA 052-5377-2 G30 15W GE 052-5377-8 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W		15	1	1,998	1,998		29970		
052-5358-6 PAR38 26W FL 052-5360-8 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5365-2 PAR38 23W FL 052-5365-2 PAR38 23W FL 052-5365-8 R40 26W FLD 1 052-5366-6 R40 26W FLD 1 052-5368-7 A-LINE 15W M 052-5368-2 A-LINE 15W M 052-5368-2 A-LINE 15W M 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W NOMA 052-5372-0 G30 15W GE 052-5374-6 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W		15		540	540		8100		
052-5360-8 PAR38 23W FL 052-5361-6 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5362-2 PAR38 23W FL 052-5364-0 R40 26W FLD I 052-5365-8 R40 26W FLD I 052-5366-6 R40 26W FLD I 052-5366-6 R40 26W FLD I 052-5367-4 A-LINE 11W GI 052-5367-4 A-LINE 15W GI 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W NOMA 052-5371-2 G25 9W NOMA 052-5371-4 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5375-5 CHANDLR 7W 052-5377-0 CHANDLR 7W		26	2	2,160	4,320		112320		
052-5361-6 PAR38 23W FL 052-5362-4 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5365-8 R40 26W FLD 1 052-5365-8 R40 26W FLD 1 052-5366-6 R40 26W FLD 1 052-5366-7 A-LINE 11W GI 052-5368-2 A-LINE 15W GI 052-5369-0 A-LINE 15W GI 052-5370-1 G25 9W NOM 052-5371-2 G25 9W GE 052-5373-8 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W		26	1	2,592	2,592		67392		
052-5362-4 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5363-2 PAR38 23W FL 052-5365-8 R40 26W FLD I 052-5366-6 R40 26W FLD I 052-5366-6 R40 26W FLD I 052-5366-7 A-LINE 11W GI 052-5368-2 A-LINE 15W GI 052-5369-0 A-LINE 15W GI 052-5370-4 G25 9W OBA 052-5371-2 G25 9W GE 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-8 CHANDLR 5W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W		23	1	1,998	1,998		45954		
052-5363-2 PAR38 23W FL 052-5364-0 R40 26W FLD I 052-5365-8 R40 26W FLD I 052-5366-6 R40 26W FLD I 052-5367-4 A-LINE 11W GI 052-5368-2 A-LINE 15W NG 052-5369-0 A-LINE 15W GI 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W GE 052-5373-8 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-8 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W		23	1	1,620	1,620		37260		
052-5364-0 R40 26W FLD 1 052-5365-8 R40 26W FLD 1 052-5366-6 R40 26W FLD 1 052-5367-4 A-LINE 15W M 052-5368-2 A-LINE 15W M 052-5369-0 A-LINE 15W M 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W GE 052-5372-0 G30 15W GE 052-5374-6 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-10 CHANDLR 7W 052-5377-2 CHANDLR 7W 052-5377-3 CHANDLR 7W 052-5377-4 CHANDLR 7W 052-5377-5 CHANDLR 7W 052-5377-6 CHANDLR 7W		23	1	1,242	1,242		28566		
052-5365-8 R40 26W FLD 0 052-5366-6 R40 26W FLD 0 052-5367-4 A-LINE 11W GI 052-5368-2 A-LINE 15W NG 052-5369-0 A-LINE 15W NG 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W NOMA 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 5W 052-5374-6 CHANDLR 7W 052-5376-2 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5378-8 CHANDLR 7W 052-5378-8 CHANDLR 7W 052-5377-0 CHANDLR 7W		23	1	594	594		13662		
052-5366-6 R40 26W FLD I 052-5367-4 A-LINE 11W GI 052-5368-2 A-LINE 15W NG 052-5368-2 A-LINE 15W NG 052-5370-4 G25 9W NOMA 052-5370-4 G25 9W NGE 052-5371-2 G25 9W GE 052-5373-8 CHANDLR 5W 052-5374-6 CHANDLR 7W 052-5376-2 CHANDLR 7W 052-5377-0 CHANDLR 7W		26	1	918	918		23868		
052-5367-4 A-LINE 11W GI 052-5368-2 A-LINE 15W GI 052-5369-0 A-LINE 15W GI 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W GE 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 5W 052-5375-4 CHANDLR 7W 052-5375-5 CHANDLR 7W 052-5377-0 CHANDLR 7W		26	1	540	540		14040		
052-5368-2 A-LINE 15W NG 052-5369-0 A-LINE 15W GI 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W GE 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 5W 052-5374-6 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5375-2 CHANDLR 7W 052-5377-0 CHANDLR 5W 052-5377-8 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W 052-5377-9 CHANDLR 7W		26	1	270	270		7020		
052-5369-0 A-LINE 15W GI 052-5370-4 G25 9W NOMA 052-5371-2 G25 9W GE 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 5W 052-5374-6 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5375-2 CHANDLR 9W 052-5377-0 CHANDLR 5W 052-5377-8 CHANDLR 7W 052-5377-0 CHANDLR 7W 052-5378-8 CHANDLR 7W 052-5378-96 CHANDLR 7W	-	11	1	1,026	1,026		11286		
052-5370-4 G25 9W NOMA 052-5371-2 G25 9W GE 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 5W 052-5374-6 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5376-2 CHANDLR 9W 052-5377-0 CHANDLR 5W 052-5377-0 CHANDLR 5W 052-5377-0 CHANDLR 7W 052-5378-8 CHANDLR 7W 052-5378-8 CHANDLR 7W 052-5379-6 CHANDLR 7W	V NOMA	15	1	1,620	1,620		24300		
052-5371-2 G25 9W GE 052-5372-0 G30 15W GE 052-5373-8 CHANDLR 5W 052-5374-6 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5376-2 CHANDLR 9W 052-5377-0 CHANDLR 5W 052-5378-8 CHANDLR 7W 052-5378-8 CHANDLR 7W 052-5378-8 CHANDLR 7W	N GE	15	1	2,700	2,700		40500		
052-5372-0 G30 15W GE 052-5373-8 CHANDLR 5W 052-5374-6 CHANDLR 7W 052-5376-2 CHANDLR 7W 052-5376-2 CHANDLR 9W 052-5377-0 CHANDLR 5W 052-5378-8 CHANDLR 7W 052-5378-96 CHANDLR 7W	AMC	9	1	1,188	1,188		10692		
052-5373-8 CHANDLR 5W 052-5374-6 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5376-2 CHANDLR 9W 052-5377-0 CHANDLR 5W 052-5378-8 CHANDLR 7W 052-5379-6 CHANDLR 7W	E	9	1	972	972		8748		
052-5374-6 CHANDLR 7W 052-5375-4 CHANDLR 7W 052-5376-2 CHANDLR 9W 052-5377-0 CHANDLR 5W 052-5378-8 CHANDLR 7W 052-5379-6 CHANDLR 7W	ЭE	15	1	378	378		5670		
052-5375-4 CHANDLR 7W 052-5376-2 CHANDLR 9W 052-5377-0 CHANDLR 5W 052-5378-8 CHANDLR 7W 052-5379-6 CHANDLR 7W	5W MED GE	5	1	540	540		2700		
052-5376-2 CHANDLR 9W 052-5377-0 CHANDLR 5W 052-5378-8 CHANDLR 7W 052-5379-6 CHANDLR 7W	7W MED NOMA	7	1	756	756		5292		
052-5377-0 CHANDLR 5W 052-5378-8 CHANDLR 7W 052-5379-6 CHANDLR 7W	7W MED GE	7	1	540	540		3780		
052-5377-0 CHANDLR 5W 052-5378-8 CHANDLR 7W 052-5379-6 CHANDLR 7W	9W MED GE	9	1	756	756		6804		
052-5378-8 CHANDLR 7W 052-5379-6 CHANDLR 7W		5	1	540	540		2700		
052-5379-6 CHANDLR 7W	7W CAN NOMA	7	1	756	756		5292		
		7	1	648	648		4536		
052-5382-6 CHANDLR 9W		9	1	1,350	1,350		12150		
	MINI 3PK NOM	3	3	7,668	23,004		69012		
052-5391-4 13W ULTRAMI		13	3	12,042	36,126		469638		
	AMINI 6PK NO	13	6	2,754	16,524		214812		
COL COOL 2 10W OLINAM		10	5	443,540	1,174,538	2 65	18,204,928		

15.499653 average watts



Data provided by Energyshop.com

SLEDs	٦	Fotal Units Sold		
		50524		
Lights / string	%age	Program sales	Whole number	Average Bulb per String
25	15%	7384.266944	7384	3.653841216
35	22%	11311.7249	11314	7.836085259
70	52%	26025.92566	26026	36.05840386
100	11%	5802.082488	5802	<u>11.4838146</u>
				59.03214493



Appendix B

Technology Savings Data



TOTAL RESOURCE COST TEST																			
	Participant/Technology Information Unit Energy Savings																		
													Electric	ity Savings					
Program	Measure	Distribution	Unit	Program	Unit Water		Unit Oil	Unit Diesel		Winter			Summer	r	Sh	oulder			
	Life	Line Losses	Incremental Costs	Delivery Costs	Savings m3 (000's litres)	Savings m3 (000's litres)	Savings litres		On Peak	Mid Peak	Off Peak	On Peak	Mid Peak	Off Peak	Mid Peak	Off Peak	Demand Type (C, DR)	Peak Demand Savings (Summer)	Comments
CFL Screw-In 15W	4	0.00%	\$2.00	\$ -	0.00	0.00	0.00	0.00	15.5	7.7	20.3	0.0	11.7	14.0	17.5	17.7	C	0.000	Average wattage of bulb sold during campaign (see Appendix A)
LED Christmas Lights (indoor or outdoor) Replacing 5w Ch LED Christmas Lights (indoor or outdoor) Replacing Incand	30 30	0.00% 0.00%	\$2.00 \$2.00	\$- \$-	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	13.4 5.1	8.9 3.4	22.3 8.5	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	C C		Savings based on 59 bulbs per string. Refer to Appendix A Savings based on 59 bulbs per string. Refer to Appendix A
Programmable Thermostat - Space Heating, Existing Single Programmable Thermostat - Space Cooling, Existing Single	18 18	0.00% 0.00%	\$60.00 \$60.00	\$ - \$ -	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	202.1 0.0	231.0 0.0	541.8 0.0	0.0 28.4	0.0 42.5	0.0 88.2	219.0 0.0	272.4 0.0	C C	0.000 0.163	
Timer - Outdoor Light	20	0.00%	\$20.00	ş -	0.00	0.00	0.00	0.00	43.3	21.6	56.9	0.0	32.9	39.0	48.8	49.5	С	0.000	
Timer - Indoor - Light Timer - Indoor - Air Conditioners	20 20	0.00% 0.00%	\$7.00 \$7.00	\$- \$-	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	14.5 0.0	7.3 0.0	19.1 0.0	0.0 19.4	11.0 29.1	13.1 60.3	16.4 0.0	16.6 0.0	C C	0.059 0.174	
Ceiling Fan	20	0.00%	\$42.00	ş -	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	С	0.000	
EnerGuide for Existing Homes - Space Heating	25	0.00%	\$150.00	ş -	0.00	0.00	0.00	0.00	34.5	39.4	92.4	0.0	0.0	0.0	37.3	46.4	С	0.000	
				\$-															