



November 1, 2010

Ontario Energy Board
P.O. Box 2319
2300 Yonge Street
27th Floor
Toronto, ON M4P 1E4
Attention: Ms. Kirsten Walli, Board Secretary

Dear Ms. Walli:

Re: CDM Targets (EB-2010-0215)

Enclosed please find *ENWIN's* filing as required to satisfy certain provisions of the Board's CDM Code in respect of the CDM Targets established as part of the above-noted proceeding.

Yours very truly,

***ENWIN* Utilities Ltd.**

A handwritten signature in blue ink that reads "Andrew J. Sasso".

Per: Andrew J. Sasso



CDM Strategy

1. Distributor's Name: **ENWIN Utilities Ltd. (ENWIN)**
2. Total Reduction in Peak Provincial Electricity Demand (MW) Target: **27 MW**
3. Total Reduction in Electricity Consumption (kWh) Target: **124 000 000 kWh**
4. CDM Strategy

The following chart depicts the nature of programming proposed to be undertaken by ENWIN, and the expected savings from each program area, towards meeting the overall peak demand and electricity consumption targets.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Consumer Program	37,016	1.05	1,708	22,860	2.37	6,033	22,793	3.68	12,828	22,798	5.03	22,133
Business Program	718	5.41	11,960	775	9.98	33,840	897	13.02	60,772	959	17.23	92,505
Industrial Program	12	0.16	949	12	0.32	2,847	12	0.48	5,694	12	7.44	9,490
Low Income Program	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		6.62	14,618		12.68	42,720		17.19	79,294		29.70	124,128
TARGET											27.00	124,000
"+/-"											2.70	128

Please see Appendix A for a further breakdown of individual programming for each program area as per the summarized table above.

5. OPA-Contracted Province-Wide CDM Programs

ENWIN proposes to undertake the following programs to meet their CDM Target requirements for years 2011-2014. Program budgets will be a function of funding formulae being finalized at the OPA. No specific budget information or allocation of provincial program funding was available at the time of this submission.

Consumer Programs

Appliance Retirement/Exchange Events

This initiative is a carry forward and enhancement of the Great Refrigerator Roundup. It includes free pick-up and decommissioning of old, inefficient, working, appliances. As well, the Exchange events target room air conditioners and dehumidifiers at retail locations:

The Exchange Events portion of the Program is a carry forward and enhancement of exchange events previously hosted by retailers. It includes exchange events held biannually at participating retailers for room air conditioners and dehumidifiers. The Spring exchange event will feature a \$50 coupon toward the purchase of a high efficiency replacement unit; the Fall event will feature a \$25 gift card.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Appliance Retirement	1,183	0.09	529	1,124	0.17	1,560	1,023	0.23	2,927	921	0.29	4,593
Exchange Events	157	0.02	25	157	0.04	74	157	0.05	148	157	0.07	246

Instant Rebates

This is a carry forward of the Power Savings Event with some enhancements. It will now include year round coupons and bi-annual in-store instant discounts (Rebates) for energy efficient products.

Measures for this program include: Energy Star CFLs, Energy Star qualified fixtures, Energy Star Ceiling fans, Lighting Control products, Hot water pipe wrap, Water Heater Blankets, Weather-stripping, Heavy Duty Plug In Timers, Advanced Power strips, Clotheslines, and Baseboard Programmable thermostats for electric baseboard heaters.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Instant Rebates	32,248	0.04	1,030	17,647	0.07	2,690	17,647	0.09	4,977	17,647	0.12	7,893

HVAC Discounts (Rebates)

This offer is a carry forward of the Cool Savings Rebate. It has been enhanced to include local marketing and engagement. Measures include: High Efficiency furnaces equipped with electronically commutated motors (ECM) and Energy Star qualified Central Air conditioners.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
HVAC Rebates	1,044	0.27	437	1,080	0.55	1,329	1,114	0.84	2,697	1,161	1.14	4,563

Midstream Incentives

This is a carry over and enhancement of the midstream television incentive from the Power Savings Event. In addition to providing incentives for retailers to promote energy efficient televisions, it will include incentives for satellite and cable providers to use high-efficiency set-top boxes and network configurations. It will also include pool pumps, providing contractors with incentives to install “right sized” pool equipment. Savings from the midstream initiatives will be proportionally allocated to LDCs based on the size of their residential customer base.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Midstream Electronics Incentive	1,021	0.00	11	1,021	0.01	33	1,021	0.01	65	1,021	0.01	109
Midstream Pools Incentive	31	0.00	54	31	0.01	161	31	0.01	321	31	0.02	536

Demand Response

This is a re-design of peaksaver®, the residential demand response initiative. Existing program features will continue to be offered through June 30, 2011 pursuant to existing agreements between the OPA and participating LDCs. The OPA and the Residential Demand Response Work Group are currently conducting pilot projects to test new technologies for use in the future province wide residential demand response initiative with an anticipated start of July 1, 2011. Further details will be provided at the conclusion of pilot in December 2010.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Demand Response	1,332	0.68	664	1,800	1.61	2,909	1,800	2.54	6,735	1,860	3.51	12,194

Residential New Construction

This is a new initiative. It includes incentives for builders to construct new, single family homes that include energy efficiency standards that are above current building codes. It includes incentives for:

- Prescriptive measures:
 - “All-off” Switches
 - ECM Motors
 - SEER 15 CAC
 - Lighting Control Products
 - Energy Efficient Lighting Fixtures
 - Residential Demand Responses Devices (subject to results of the pilots)

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Residential New Construction	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0

Business Programs

Direct Install – Lighting

The Direct Installed Lighting initiative targets customers in the General Service <50kW account category. Participation for the existing version of this initiative, the Power Savings Blitz, has been very high. In addition to offering eligible customers up to \$1,000 in equipment upgrades at no charge, standard prescriptive incentives will now be available for eligible equipment beyond the initial \$1,000 limit. There will also be a similar initiative for servicing of space cooling equipment, as described below.

A customer can qualify for Direct Installed Lighting incentives for a given building or premise only once during the Program period (through December 31, 2014). The customer can, however, take advantage of other Program initiatives including Equipment Replacement incentives (assuming they satisfy the criteria for the other initiative(s)) with regard to the particular building or premises.

The following targets represent savings for both the Direct Install – Lighting and Direct Install – Space cooling.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Power Savings Blitz	450	0.43	689	450	0.86	2,068	450	0.86	3,422	450	0.85	4,687

Direct Install – Space cooling

The Direct Serviced Space Cooling initiative is available to customers with roof-top or ground-mounted air conditioning systems with a capacity of 25 tons or less. The initiative is intended to target the same customer base as the Direct Install Lighting initiative, although in some cases customers in the General Service >50 kW account category will also be eligible. Basing the eligibility criteria on air conditioner size is intended to simplify the determination of possible participants by HVAC Contractors. This initiative provides for up to \$750 of services and labour to service the customer's air-conditioning unit(s).

A customer can qualify for Direct Serviced Space Cooling incentives for a given building or premises only once during the Program period (through December 31, 2014). Even if a customer participated in Direct Installed Lighting prior to or throughout 2011 to 2014, they are able to participate in Direct Serviced Space Cooling. The customer may also be eligible for other Program initiatives such as Equipment Replacement and Demand Response (assuming they satisfy the criteria for the other initiative(s)) with regard to the

particular building.) The new mandatory QA/QC procedures and protocols will also apply to this initiative.

Equipment Replacement

Equipment replacement projects have traditionally been categorized in ERIP and other similar programs as either Prescriptive or Custom. The Prescriptive approach utilizes a list of specific measures for which the incentive is prescribed. The Custom approach requires a more sophisticated, and in some cases complex, process to determine the potential for demand reductions or energy savings. The Program will continue these two approaches, but will also include an Engineered approach.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
MultiResCondo, Large Office, Sschool	19	3.24	5,615	18	6.32	16,611	17	8.37	29,896	17	10.30	45,367
Small Office	19	0.10	173	21	0.22	562	24	0.35	1,101	26	0.50	1,807
Agriculture	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Small Retail	15	0.05	176	19	0.12	554	23	0.18	1,135	27	0.26	1,931
MultiResidential	180	0.39	2,561	235	0.71	7,057	345	0.97	12,746	399	1.21	19,181
Elementary Schools	2	0.05	113	3	0.11	355	3	0.17	742	3	0.22	1,219
large Retail	20	1.12	2,624	10	1.61	6,600	11	2.05	11,653	12	2.60	18,164

Small Commercial Demand Response

This is a re-design of peaksaver®, the residential demand response initiative. Existing program features will continue to be offered through June 30, 2011 pursuant to existing agreements between the OPA and participating LDCs. The OPA and the Residential Demand Response Working Group are currently conducting pilot projects to test new technologies for use in the C&I Program with an anticipated start date of July 1, 2011. Further details will be provided at the conclusion of the pilot in December 2010.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Small Commercial DR	12	0.01	7	20	0.04	32	25	0.07	79	25	0.10	149

Demand Response 3

Demand Response 3 (DR 3) is an initiative for distribution-connected electricity customers to provide DR capability to mandatorily reduce system peak demand and increase system reliability. The OPA will enter into contracts with the Aggregators or directly with Participants providing DR capacity of greater than 5MW.

	2011			2012			2013			2014			
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	
DR3		0.00	0	0	0.00	0	0	0.00	0	0	0	1.20	0

Industrial Programs

Demand Response 3

Demand Response 3 (DR 3) is an initiative for distribution-connected electricity customers to provide DR capability to mandatorily reduce system peak demand and increase system reliability. The OPA will enter into contracts with the Aggregators or directly with Participants providing DR capacity of greater than 5MW.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
DR3		0.00	0	0	0.00	0	0	0.00	0	0	6.80	0

Industrial Equipment Replacement

Equipment replacement projects have traditionally been categorized in ERIP and other similar programs as either Prescriptive or Custom. The Prescriptive approach utilizes a list of specific measures for which the incentive is prescribed. The Custom approach requires a more sophisticated, and in some cases complex, process to determine the potential for demand reductions or energy savings. The Program will continue these two approaches, but will also include an Engineered approach.

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Custom Industrial	2	0.02	91	2	0.04	272	2	0.06	534	2	0.08	905
ERIP Prescriptive Industrial	10	0.14	858	10	0.28	2,575	10	0.42	5,151	10	0.56	8,585

Low Income Programs

ENWIN is interested in the contribution that low income programs can potentially make to help meet and/or exceed CDM target savings, and provide financial savings to low income communities in its region. ENWIN will evaluate the feasibility and benefit of OPA Contracted Low Income Programs once program details have been released to LDCs.

6. Potential Board-Approved CDM Programs

Given that ENWIN's CDM portfolio has been developed as based on the OPA tool use and OPA's allocation of savings per program area for ENWIN, the CDM targets are expected to be reached through Tier 1 programming. Despite this, ENWIN will consider the following program concepts for Board-Approved programs, in an effort to provide contingency for any OPA Contracted programs whose results are lesser than the projections made at the time of this submission. In addition, ENWIN could receive performance funding for over-achievement of targets.

Considerations for Board-Approved programming at this time include the following:

In Home Displays (Consumer Program, Business Program)

There is a lot of discussion among LDCs about the potential opportunity for a Tier 2/3 program to be developed that will complement smart metering by placing a display in the home. Through this the results of smart metering can be further leveraged and verifiable CDM savings credited to an LDC.

ICE BEAR Pilot Project (Business Program)

The Toronto Zoo has demonstrated leadership in energy conservation management once again through a joint venture at the Toronto Zoo with Toronto Hydro-Electric System Ltd. ("Toronto Hydro"), Ontario Power Authority and Ice Energy Inc. for a unique pilot project using Ice Bear energy storage technology. The Ice Bear system located at the Zoo's Tundra Trek Caribou Café stores energy at night, when demand on the grid is low and electricity generation is more efficient and less expensive. It delivers that stored energy during the day to a building's air conditioning system, significantly reducing the amount of electricity needed to cool the building on peak. The electricity required for air conditioning- typically as much as 40-50% of daytime peak daytime demand - can be reduced by 95%.

Little River Acres, Windsor (Low Income Program)

A low income community in the ENWIN service area that is currently seeking to acquire a delivery agent for the development of an Energy Management Action Plan that will address short and long term savings opportunities for this area.

Opportunities through the development of this plan, might involve the development of a program between ENWIN and Union Gas, as geared to this lower income area. An example of a program that might be considered could be one that bases on replacing electric heat with gas furnace heating. Despite the additional cost for duct work, through a lease to own arrangement, this could provide enough incentive to encourage considerable uptake of the program.

An early estimate of budgeted costs for Board-Approved Programs is \$13.6M based on current industry benchmarks. ENWIN will endeavor to refine this estimate in 2011 as 2011 OPA province wide results become available and analysed, and as the demand for and design requirements of the fore mentioned Board Approved Programs are determined.

7. Program Mix

ENWIN will strive to ensure that CDM Programming is provided to all customer type(s) through the implementation of the portfolio of programs specified in this strategy. Further review will be made of OPA or Board-Approved programming to address specific options for lower income groups. Regardless of changes made to the strategy, the intent will remain to strive for an effective mix of programming that addresses all customer groups.

8. CDM Programs Co-ordination

To date and with further emphasis after the November 1st submission deadline, ENWIN is considering the current infrastructure and organization of our company, the demands of upcoming and new programming, and required contingency to protect us from risk. In going forward in the most efficient way, it is essential that our organization seek out and build alliances with other entities such as other LDCs, natural gas distributors, social services and other government agencies, and the OPA. This will enable the most efficient use of resources related to energy savings programs and work to remove operational and marketing redundancies.

ENWIN will coordinate or participate in programs with other parties for the best benefit the rate payer and partnering organizations, towards continued energy savings initiatives.

APPENDIX A: Summary of Detailed Programming Proposed by ENWIN Utilities Ltd

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Instant Rebates	32,248	0.04	1,030	17,647	0.07	2,690	17,647	0.09	4,977	17,647	0.12	7,893
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HVAC Rebates	1,044	0.27	437	1,080	0.55	1,329	1,114	0.84	2,697	1,161	1.14	4,563
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Exchange Events	157	0.02	25	157	0.04	74	157	0.05	148	157	0.07	246
Residential New Construction	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Demand Response	1,332	0.68	664	1,800	1.61	2,909	1,800	2.54	6,735	1,860	3.51	12,194
TOTAL	37,016	1.05	1,708	22,860	2.37	6,033	22,793	3.68	12,828	22,798	5.03	22,133

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Small Office	19	0.10	173	21	0.22	562	24	0.35	1,101	26	0.50	1,807
Power Savings Blitz	450	0.43	689	450	0.86	2,068	450	0.86	3,422	450	0.85	4,687
Agriculture	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Small Retail	15	0.05	176	19	0.12	554	23	0.18	1,135	27	0.26	1,931
MultiResidential	180	0.39	2,561	235	0.71	7,057	345	0.97	12,746	399	1.21	19,181
Elementary Schools	2	0.05	113	3	0.11	355	3	0.17	742	3	0.22	1,219
large Retail	20	1.12	2,624	10	1.61	6,600	11	2.05	11,653	12	2.60	18,164
Small Commercial DR	12	0.01	7	20	0.04	32	25	0.07	79	25	0.10	149
DR1		0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
DR3		0.00	0	0	0.00	0	0	0.00	0	0	1.20	0
TOTAL	718	5.41	11,960	775	9.98	33,840	897	13.02	60,772	959	17.23	92,505

	2011			2012			2013			2014		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Industrial Accelerator		0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Custom Industrial	2	0.02	91	2	0.04	272	2	0.06	534	2	0.08	905
ERIP Prescriptive Industrial	10	0.14	858	10	0.28	2,575	10	0.42	5,151	10	0.56	8,585
DR1		0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
DR3		0.00	0	0	0.00	0	0	0.00	0	0	6.80	0
TOTAL	12	0.16	949	12	0.32	2,847	12	0.48	5,694	12	7.44	9,490