

Chapleau Public Utilities Corp.

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CDM Strategy

1. Distributor's Name: **Chapleau Public Utilities Corporation (Chapeau PUC)**
2. Total Reduction in Peak Provincial Electricity Demand (MW) Target: **0.2 MW**
3. Total Reduction in Electricity Consumption (kWh) Target: **1,000,000 kWh**
4. CDM Strategy

The following chart depicts the nature of programming proposed to be undertaken by Chapleau Public Utilities Corporation (Chapleau PUC), and the expected savings from each program area, towards meeting the overall peak demand and electricity consumption targets.

Fill in WHITE Cells
All results are cumulative

	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	904	0.00	42	531	0.00	118	528	0.00	221	525	0.01	350
Business Program	51	0.09	222	6	0.11	505	8	0.14	785	9	0.17	1,114
Industrial Program	1	0.01	86	1	0.03	258	0	0.03	429	0	0.03	601
Low Income Program	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		0.10	350		0.14	881		0.17	1,435		0.21	2,065
TARGET											0.20	1,000
+/-											0.01	1,065

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

Chapleau PUC 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		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Appliance Retirement	28	0.00	13	26	0.00	39	24	0.00	73
Exchange Events	2	0.00	0	2	0.00	1	2	0.00	3

Instant Discounts (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 Blanket, Weather-stripping, Heavy Duty Plug In Timer, Advanced Power strips, Clotheslines, and Baseboard Programmable thermostats for electric baseboard heaters.

	2011			2012			2013		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Instant Rebates	822	0.00	26	450	0.00	69	450	0.00	127

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		
	No. Of participants	MW	MWh	No. Of participants	MW	MWh	No. Of participants	MW	MWh
Midstream Electronics Incentive	52	0.00	0	52	0.00	1	52	0.00	2
Midstream Pools Incentive	1	0.00	3	1	0.00	8	1	0.00	16

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 premises 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.

Please note the following table represents both 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	45.00	0.01	68	0.00	0.01	137	0.00	0.01	179	0.00	0.01	221

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).

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
MultiRes Condos, Escools	0.036	0.01	13	0.048	0.02	43	0.060	0.03	90	0.07	0.04	154
Small Office	1.09	0.01	20	1	0.02	60	1	0.03	109	1	0.04	168
Agriculture	0.17	0.00	2	0.23	0.00	8	0	0.00	16	0	0.01	29
Small Retail	0.12	0.00	1	0.16	0.00	4	0	0.00	9	0	0.00	15
MultiResidential	3.07	0.00	12	4	0.00	37	6	0.01	74	7	0.01	119
Elementary Schools	0.01	0.00	0	0.02	0.00	1	0	0.00	3	0	0.00	6
Large Retail	1.02	0.06	106	0.03	0.06	215	0.06	0.06	305	0.08	0.06	402

Existing Building Commissioning

Any customer in the General Service >50 kW or Large User account categories with single buildings/premises greater than 50,000 square feet in size and with chilled water plants will be eligible to participate in the Existing Building Commissioning initiative of the Program. The services that would qualify include (i) the development of a plan for commissioning activities, (ii) the procurement of devices and/or software associated with commissioning activities and (iii) third party services for building commissioning.

Industrial Programs

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
ERIP Prescriptive Industrial	1.00	0.01	86	1.00	0.03	258	0	0.03	429	0	0.03	601

Low Income Programs

Chapleau PUC 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. Chapleau PUC will evaluate the feasibility and benefit of these new programs once further details have been released to LDCs.

6. Potential Board-Approved CDM Programs

Given that Chapleau's CDM portfolio has been developed as based on the OPA tool use and OPA's allocation of savings per program area for Chapleau PUC, the CDM targets are expected to be reached through Tier 1 programming. Despite this, Chapleau PUC 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, Chapleau PUC could receive performance funding for over-achievement of targets.

Electric Thermal Storage Heating

Electric Thermal Storage (ETS) is the technology of converting off-peak electricity to heat and storing this low cost heat for use in satisfying comfort requirements of a home or business 24 hours a day.

An ETS system contains electric heating elements which lie within special, heat storage medium (ceramic bricks, paraffin wax etc.). The heat storage medium is capable of storing vast amounts of heat for extended periods of time. During off-peak hours, the elements generate the heat that is stored. This stored heat is used to satisfy immediate heating requirements and to provide total comfort during peak hours. Off-peak hours are the times of day or night when the province has excess energy supply due to low demand. On-peak hours are those times when the province's demand for electricity is high. Greater Sudbury Hydro offers reduced rates on electricity consumed during off-peak times. It is these reduced rates that allow ETS to provide considerable savings to consumers on their energy bills as compared to alternative heating options.

7. Program Mix

Chapleau PUC 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, Chapleau PUC is considering the current infrastructure and organization of our company and the demands of upcoming and new programming and operational responsibilities.

In going forward in the most efficient way, our organization will be interested to build alliances with other local LDCs, social services and other government agencies, and the OPA. We will consider these partnerships where they enable the most efficient use of resources related to energy savings programs and work to remove operational and marketing redundancies.

Chapleau PUC 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 Chapleau PUC

	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	822	0.00	26	450	0.00	69	450	0.00	127	450	0.00	201
Midstream Electronics Incentive	52	0.00	0	52	0.00	1	52	0.00	2	52	0.00	3
Midstream Pools Incentive	1	0.00	3	1	0.00	8	1	0.00	16	1	0.00	27
HVAC Rebates	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0	0.00	0
Appliance Retirement	28	0.00	13	26	0.00	39	24	0.00	73	21	0.01	114
Exchange Events	2	0.00	0	2	0.00	1	2	0.00	3	2	0.00	5
Residential New Construction	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Demand Response	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
TOTAL	904	0.00	42	531	0.00	118	528	0.00	221	525	0.01	350
	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	0.036	0.01	13	0.048	0.02	43	0.060	0.03	90	0.07	0.04	154
Small Office	1.09	0.01	20	1	0.02	60	1	0.03	109	1	0.04	168
Power Savings Blitz	45.00	0.01	68	0.00	0.01	137	0.00	0.01	179	0.00	0.01	221
Agriculture	0.17	0.00	2	0.23	0.00	8	0	0.00	16	0	0.01	29
Small Retail	0.12	0.00	1	0.16	0.00	4	0	0.00	9	0	0.00	15
MultiResidential	3.07	0.00	12	4	0.00	37	6	0.01	74	7	0.01	119
Elementary Schools	0.01	0.00	0	0.02	0.00	1	0	0.00	3	0	0.00	6
Large Retail	1.02	0.06	106	0.03	0.06	215	0.06	0.06	305	0.08	0.06	402
Small Commercial DR		0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
DR1	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
DR3	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
TOTAL	51	0.09	222	6	0.11	505	8	0.14	785	9	0.17	1,114
	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	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Custom Industrial	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
ERIP Prescriptive Industrial	1.00	0.01	86	1.00	0.03	258	0	0.03	429	0	0.03	601
DR1	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
DR3	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
TOTAL	1.00	0.01	86	1	0.03	258	0	0.03	429	0	0.03	601