

OVERVIEW OF CDM PLAN	
This CDM Plan must be used by the LDC in submitting a CDM Plan to the IESO under the Energy Conservation Agreement between the LDC and the IESO. The CDM Plan will consist of the information provided in this document and any additional information and supporting documents provided by the LDC to the IESO in support of this CDM Plan. Capitalized terms not otherwise defined herein have the meaning ascribed to them in the Energy Conservation Agreement as may be applicable.	
Complete all fields within the CDM Plan that are applicable. Where additional space is required to complete a section of the CDM Plan, please append additional pages as required. The LDC should indicate that additional information has been attached in the related question field on the CDM Plan. Please refer to the CDM Plan Submission and Review Criteria Rules for further information.	

A. General Information

1. CDM Plan Submission Date: (DD-Mon-YYYY)	15-Dec-2015
CDM Plan Version	Version 2

2. LDC INFORMATION										
	LDC 1	LDC 2	LDC 3	LDC 4	LDC 5	LDC 6	LDC 7	LDC 8	LDC 9	LDC 10
LDC Name:	Centre Wellington Hydro Ltd.	Lakeland Power Distribution Ltd.	Midland Power Utility Corporation	Orangeville Hydro Limited	Ottawa River Power Corporation	Rideau St. Lawrence Distribution Inc.	Wasaga Distribution Inc.			
Company Representative:										
Name:	Pat Kelly	Chris Litschko	Christine Bell	Ruth Tyrrell	Denis Montgomery	John Walsh	David Stavinga			
Title:	Conservation Officer	Chief Executive Officer	Chief Financial Officer	Chief Corporate Officer	President and CEO	Chief Executive Officer	Director of Energy Services			
Email Address:	kelly@cwhydro.ca	clitschko@lakelandpower.on.ca	cbell@midlandpuc.on.ca	rtyrrell@orangevillehydro.on.ca	dmontgomery@orpowercorp.com	jwtalsh@rslu.ca	d.stavinga@wasagadist.ca			
Phone Number (XXX-XXX-XXXX):	519-843-2900 ext 222	705-789-5442 Ext. 224	705-526-9361	519-942-8000	613-732-3687 Ext. 28	613-925-3851	705-429-2517			

3. Primary Contact for CDM Plan	
Name:	Jennifer Montpetit
LDC Name:	Lakeland Power Distribution
Title:	Conservation and Demand Management Officer
Email Address:	jmontpetit@lakelandpower.on.ca
Phone Number (XXX-XXX-XXXX):	705-645-2670 Ext. 504

Estimated Start Date of CDM Plan: (DD-Mon-YYYY)	1-Jan-2016
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LDC CONFIRMATION FOR CDM PLAN	
Each LDC to this CDM Plan has executed the Energy Conservation Agreement.	Yes
A completed Cost-Effectiveness Tool is attached and forms part of the CDM Plan.	Yes
A completed Achievable Potential Tool is attached and forms part of the CDM Plan.	Yes
All customer segments in each LDC's service area are served by the Programs set out in this CDM Plan.	Yes
The CDM Plan includes all electricity savings attributable to all Programs and pilot programs that have in-service dates between Jan 1, 2015 and December 31, 2020.	Yes
The CDM Plan Budget for each LDC includes all eligible funding under the full cost recovery and pay-for-performance mechanisms for Programs under its CDM Plan.	Yes
Frequency of LDC Invoicing to IESO (subsequent changes to the frequency should be notified to us by email).	Quarterly

COMPLETE FOR CDM PLAN AMENDMENTS ONLY	
<i>Select the reason(s) for CDM Plan amendment, as per ECA.</i>	
One time each calendar year of the term	
LDC wishes to request an adjustment to the CDM Plan Budget	
The amendments to a provision of the ECA or any Rules will have a material effect on the CDM Plan	
LDC's actual spending under CDM Plan has exceeded (or is reasonably expected to exceed) the portion of the CDM Plan Budget allocated to the current year of the term	
Under a joint CDM Plan, LDCs that are parties to a joint CDM Plan reallocate any portion of their respective CDM Plan Targets and CDM Plan Budgets [Reallocation not subject to IESO approval]	
IESO has triggered remedies under Article 5 of the ECA	
LDC seeking to change its selection of the type of funding that it wishes to receive for each Program in the CDM Plan [ECA, section 4.1]	
Other (Please specify reason)	

B. LDC Authorization

LDC DECLARATION	
Please complete the declaration for each LDC that is listed in this CDM Plan. A separate page with each LDC's signed declaration should be included as part of the CDM Plan submission.	

LDC	
<i>I represent that the information contained in this CDM Plan as it relates to the LDC is complete, true, and accurate in all respects. I acknowledge and agree to the following terms and conditions: (1) if this CDM Plan is approved by the IESO and accepted by each LDC to this CDM Plan, the CDM Plan together with any conditions to that approval is incorporated by reference into the Energy Conservation Agreement between the LDC and the IESO (2) the LDC will offer the Programs set out in Table 2 of this CDM Plan to customers in its service area; and (3) the LDC of will implement this CDM Plan in accordance with the CDM Plan Budget.</i>	
LDC's Legal Name:	
Company Representative:	
Signature	
	<i>I/We have the authority to bind the Corporation.</i>
Date (DD-Mon-YYYY)	

C. CDM Plan Summary

TABLE 1: SUMMARY OF CDM PORTFOLIO SAVINGS AND BUDGET											
	CDM PLAN TOTAL	LDC 1	LDC 2	LDC 3	LDC 4	LDC 5	LDC 6	LDC 7	LDC 8	LDC 9	LDC 10
a. Allocated LDC CDM Plan Target (MWh) <i>Indicate total CDM Plan Target allocated to LDC(s)</i>	69,540	8,730.0	15,770.0	10,830.0	14,150.0	8,720.0	5,020.0	6,320.0			
b. CDM Plan MWh Savings <i>Calculated as part of CDM Plan</i>	69,760	8,730	15,833	10,830	14,302	8,725	5,020	6,320	0	0	0
c. Allocated LDC CDM Plan Budget (\$) <i>Indicate total budget allocated to LDC</i>	\$18,243,667	\$2,252,724.00	\$4,142,391.00	\$2,739,690.00	\$3,705,603.00	\$2,282,373.00	\$1,306,239.00	\$1,814,647.00			
d. Total CDM Plan Budget (\$) <i>Calculated as part of CDM Plan</i>	\$18,243,667	\$2,252,724	4,142,391	2,739,690	3,705,603	2,282,373	1,306,239	1,814,647	0	0	0
f. CDM Plan Cost Effectiveness <i>Indicate annual portfolio-level Cost Effectiveness for CDM Plan as determined by LDC(s) using output from Cost-Effectiveness Tool</i>		Total Resource Cost (TRC)			Program Administrator Cost (PAC)			Levelized Cost			
	Program Year	Benefits (\$)	Costs (\$)	Ratio	Benefits (\$)	Costs (\$)	Ratio	(\$/kWh)			
	2015	\$9,285,392.61	\$3,664,702.90	2.5	\$7,940,473.37	\$0.92	8625089.9	\$0.000			
	2016	\$7,439,227.24	\$4,720,237.09	1.6	\$6,350,446.14	\$2,768,375.80	2.3	\$0.029			
	2017	\$7,021,122.16	\$3,857,136.59	1.8	\$5,914,522.34	\$2,373,572.62	2.5	\$0.029			
	2018	\$11,416,469.83	\$5,318,240.36	2.1	\$9,787,674.26	\$4,248,186.10	2.3	\$0.032			
	2019	\$11,588,210.88	\$4,989,299.94	2.3	\$9,930,782.67	\$3,895,352.04	2.5	\$0.030			
	2020	\$11,539,854.90	\$4,878,109.94	2.4	\$9,920,599.54	\$3,827,434.62	2.6	\$0.030			
	CDM Plan Total	\$58,290,278	\$27,427,727	2.1	\$49,844,498	\$17,112,922	2.9	\$0.023			
g. Plan Cost Effectiveness-Exceptions Rationale <i>Complete this section if proposed plan <u>does not</u> meet minimum Cost-Effectiveness Thresholds set out in CDM Plan Submission and Review Criteria Rules.</i>											

CDM PLAN TOTAL	\$0	1,351.9	\$651,826	2,771.9	\$261,712	809.5	\$483,084	1,261.1	\$411,245	1,217.7	\$444,857	1,317.7	\$2,252,724	8,730
MINIMUM ANNUAL SAVINGS CHECK		True		True		True		True		True		True		

CDM PLAN TOTAL	\$0	2,973.9	\$511,363	1,345.4	\$502,054	1,453.5	\$1,108,493	3,388.7	\$998,925	3,948.5	\$1,021,555	3,322.9	\$4,142,391	15,833
MINIMUM ANNUAL SAVINGS CHECK		True	True	True	True	True	True	True	True	True	True	True	True	True

CDM PLAN TOTAL	\$0	1,694.8	\$412,100	1,194.8	\$383,490	1,203.1	\$1,040,243	3,418.9	\$950,780	3,478.9	\$918,990	3,311.2	\$3,705,603	14,302
MINIMUM ANNUAL SAVINGS CHECK		True		True		True		True		True		True		

CDM PLAN TOTAL	\$0	1,628.7	\$366,122	985.7	\$344,655	1,039.2	\$523,606	1,655.9	\$527,145	1,745.7	\$520,844	1,669.8	\$2,282,373	8,725
MINIMUM ANNUAL SAVINGS CHECK		True	True	True	True	True	True	True	True	True	True	True	True	True

CDM PLAN TOTAL	\$0	1,066.1	\$217,038	561.8	\$208,075	663.4	\$304,440	906.0	\$294,162	945.0	\$282,524	878.2	\$1,306,239	5,020
MINIMUM ANNUAL SAVINGS CHECK		True		True		True		True		True		True		

CDM PLAN TOTAL	\$0	1,306.8	\$232,600	530.2	\$204,675	539.6	\$471,270	1,304.2	\$455,243	1,323.4	\$450,859	1,315.5	\$1,814,647	6,320
MINIMUM ANNUAL SAVINGS CHECK		True		True		True		True		True		True		

E. Proposed Local and Regional Pilot CDM Programs

Notes	
Complete the following Table(s) for each proposed local and regional Program or Pilot Program in the CDM Plan for which a business case has NOT previously been approved by the IESO. Please refer to the Program Development and Rule Revision Guideline and the Business Case Template for full details on requirements and submission of a business case for approval of a local or regional Program. For the process for receiving funding for a Pilot Program, refer to the LDC Program Innovation Guideline.	

TABLE 3a. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name		Use same "Program name" included in other worksheets	
b. Program Type			
b. Estimated Business Case Submission Date (DD-Mon-YYYY)			
c. Customer Segment(s) Served by Programs			
d. Participating LDCs (if applicable)			
e. Overview of Proposed Program or Pilot	Provide overview of key objectives and elements of proposed program or pilot.		

TABLE 3b. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name	Enhanced Comp. Air	Use same "Program name" included in other worksheets	
b. Program Type	Proposed Local Program		
b. Estimated Business Case Submission Date (DD-Mon-YYYY)	1-Jul-2017		
c. Customer Segment(s) Served by Programs	Industrial	Institutional	
d. Participating LDCs (if applicable)	Midland Power Utility Corporation		
e. Overview of Proposed Program or Pilot	The proposed program will be offered to industrial customers and will focus on energy savings obtained from enhanced measures for industrial compressed air systems. Program Duration July 2017-2020. Even though the custom program can be used for any miscellaneous savings under the current retrofit programs, an enhanced program will be developed to capture additional savings in Compressed Air and offer additional incentives in order to attract customer participation. Midland PUC is in the research stage for this program and will investigate implementing prescriptive measures for the programs that do not exist under the current retrofit program but will		

TABLE 3c. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name	Enhanced HVAC	Use same "Program name" included in other worksheets	
b. Program Type	Proposed Local Program		
b. Estimated Business Case Submission Date (DD-Mon-YYYY)	1-Jul-2017		
c. Customer Segment(s) Served by Programs	Residential		
d. Participating LDCs (if applicable)	Midland Power Utility Corporation		
e. Overview of Proposed Program or Pilot	The proposed program will be offered to residential customers and focus on additional savings from the purchase of new energy efficient furnaces and central air conditioners. Given the current changes expected in 2017 in the HVAC field, this program will be designed to capture additional savings from new measures to be implemented. Program Duration July 2017 - 2020. An enhanced program will be developed to capture additional savings in HVAC and offer additional incentives in order to attract customer participation. Midland PUC is in the research stage for this program and will investigate implementing prescriptive measures for the programs that do not exist under the current retrofit program but will		

TABLE 3d. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name	Enhanced Appliance	Use same "Program name" included in other worksheets	
b. Program Type	Proposed Local Program		
b. Estimated Business Case Submission Date (DD-Mon-YYYY)	1-Jul-2017		
c. Customer Segment(s) Served by Programs	Residential		
d. Participating LDCs (if applicable)	Midland Power Utility Corporation		
e. Overview of Proposed Program or Pilot	The program will be offered to residential customers. It will focus on savings obtained from replacing appliances and electronic devices with new energy efficient appliances and electronic devices. Program Duration July 2017-2020. This program will not compete with any current residential programs (coupons) as it will focused on appliances and electronic devices not presently covered in the marketplace.		

TABLE 3e. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name		Use same "Program name" included in other worksheets	
b. Program Type			
b. Estimated Business Case Submission Date (DD-Mon-YYYY)			
c. Customer Segment(s) Served by Programs			
d. Participating LDCs (if applicable)			
e. Overview of Proposed Program or Pilot	Provide overview of key objectives and elements of proposed program or pilot.		

TABLE 3f. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name		Use same "Program name" included in other worksheets	
b. Program Type			
b. Estimated Business Case Submission Date (DD-Mon-YYYY)			
c. Customer Segment(s) Served by Programs			
d. Participating LDCs (if applicable)			
e. Overview of Proposed Program or Pilot	Provide overview of key objectives and elements of proposed program or pilot.		

E. Proposed Local and Regional Pilot CDM Programs

Notes	
Complete the following Table(s) for each proposed local and regional Program or Pilot Program in the CDM Plan for which a business case has NOT previously been approved by the IESO. Please refer to the Program Development and Rule Revision Guideline and the Business Case Template for full details on requirements and submission of a business case for approval of a local or regional Program. For the process for receiving funding for a Pilot Program, refer to the LDC Program Innovation Guideline.	

TABLE 3g. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name		<i>Use same "Program name" included in other worksheets</i>	
b. Program Type			
b. Estimated Business Case Submission Date (DD-Mon-YYYY)			
c. Customer Segment(s) Served by Programs			
d. Participating LDCs (if applicable)			
e. Overview of Proposed Program or Pilot	Provide overview of key objectives and elements of proposed program or pilot.		

TABLE 3h. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name		<i>Use same "Program name" included in other worksheets</i>	
b. Program Type			
b. Estimated Business Case Submission Date (DD-Mon-YYYY)			
c. Customer Segment(s) Served by Programs			
d. Participating LDCs (if applicable)			
e. Overview of Proposed Program or Pilot	Provide overview of key objectives and elements of proposed program or pilot.		

TABLE 3i. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name		<i>Use same "Program name" included in other worksheets</i>	
b. Program Type			
b. Estimated Business Case Submission Date (DD-Mon-YYYY)			
c. Customer Segment(s) Served by Programs			
d. Participating LDCs (if applicable)			
e. Overview of Proposed Program or Pilot	Provide overview of key objectives and elements of proposed program or pilot.		

TABLE 3j. PROPOSED LOCAL AND REGIONAL CDM PROGRAMS / PILOTS			
a. Program Name		<i>Use same "Program name" included in other worksheets</i>	
b. Program Type			
b. Estimated Business Case Submission Date (DD-Mon-YYYY)			
c. Customer Segment(s) Served by Programs			
d. Participating LDCs (if applicable)			
e. Overview of Proposed Program or Pilot	Provide overview of key objectives and elements of proposed program or pilot.		

F. Detailed Information on Collaboration and Regional Planning

ADDITIONAL DETAILED INFORMATION	
<p>Regional LDC(s) Collaboration <i>Description of how the LDC(s) will collaborate with other LDCs. If collaboration will not occur, description of why it will not occur.</i></p>	<p>As Members of the CHEC Association there is plenty of experience with collaboration between utilities on the CDM Portfolio. The Plan development has been assisted by participation in CHEC and the sharing of information between Members. Activities of the past including; a shared REM resource, program design, delivery, and marketing as well as procurement of 3rd party services will continue in the collaborative spirit of CHEC. In addition, further opportunities to collaborate on the delivery of programs with CHEC Members and with neighbouring LDCs will be pursued. The diverse geographical distribution of CHEC Members will assist with the transfer of best practices from one region to another to facilitate further collaboration and knowledge transfer.</p>
<p>Gas Collaboration <i>Description of how the LDC(s) will collaborate with other gas utility programs delivered in service area (if applicable). If collaboration will not occur, description of why it will not occur.</i></p>	<p>The opportunity to collaborate with the gas company is welcomed as it can drive delivery efficiencies. With the gas company's mandate to collaborate as well, there should be opportunities moving forward. Currently there has been no discussions at the local level however, once CDM Plans are in place, the focus will be to discuss opportunities on known programs and to engage in discussions on opportunities for programs to help address the un-accounted for target. Developing collaboration into the design stage will be an important element to reduce costs, improve outcomes and provide value to the customer.</p>
<p>CDM Contribution to Regional Planning <i>Description of how the CDM Plan considers the electricity needs and investments identified in other plans or planned initiatives, completed or underway within the LDC(s)' service area or region. This may include Integrated Regional Resource Plans or Municipal Community Energy Plans.</i></p>	<p>Regional Planning - Expand to see full listing</p> <p>We are aware that Regional planning is conducted through the Integrated Regional Resource Planning (IRRP) process. The LDCs represented within this joint plan cover the following planning regions:-</p> <p>Greater Ottawa and Kitchener-Waterloo-Cambridge-Guelph (Group 1) Active South Georgian Bay/Muskoka (Group 2) Active St Lawrence (Group 3) Upcoming</p> <p>Group 1 - Active</p> <p>LDC. 1: Centre Wellington Hydro Limited CDM Support Pat Kelly</p>

G. Additional Documentation for CDM Plan (If applicable)

ADDITIONAL INFORMATION AND DOCUMENTATION	
<p>Programs Opportunity to provide any additional information on assumptions used for budgets and/or savings for approved 2015-2020 province-wide programs</p>	<p>A detailed assumption list has been provided for each LDC to support the CDM Plan. A further response to the IESO IR and Observations have also been filed as of June 10, 2015</p>
<p>Approved Local and/or Regional Programs and Pilot Programs Opportunity to provide any additional information on assumptions used for budgets and/or savings for approved 2015-2020 local or regional programs or pilot programs</p>	<p>This section does not apply at this time.</p>
<p>Proposed Local and/or Regional Programs and Pilot Programs Opportunity to provide additional information on assumptions used for forecast budgets and/or savings for proposed programs or pilot programs</p>	<p>This section does not apply at this time.</p>
<p>Programs from 2011-2014/2015 CDM Framework Opportunity to provide any additional information on assumptions used for budgets and/or savings from existing 2011-2014/2015 CDM Programs</p>	<p>A working sheet for each LDC has been provided as an attachment which outlines the historical performance of programs and their extension into 2015. The historical performance has been assumed in moving these programs forward. In the CDM Plan it will be noted that funds will be expended in 2015 across all project types. These funds cover the estimated cost of CDM Plan preparation for recovery from the Conservation First Funding once received.</p>
<p>Programs funded through Pay-for-Performance Opportunity to provide any additional information on assumptions used for budgets and/or savings for Pay for Performance Programs</p>	<p>Pay for Performance is not part of the plan at this time.</p>
<p>Other Additional assumptions used in the CDM Plan</p>	<p>A detailed assumption list has been provided for each LDC to support the CDM Plan.</p>

Summary of Changes to CDM Template

Version No.	Date	Tab	Change Summary
2	20-Jan-15	A. General Information	Inclusion of "Company Name" for Primary Contact
			Inclusion of frequency of invoicing (monthly vs. quarterly)
			Update date format to eliminate confusion
			Change reference to OPA
			Additional LDCs for joint plan
		B. LDC Authorization	Update date format to eliminate confusion
		D. CDM Plan Milestone LDC 1-10	Additional line items for FRC program names
			Additional LDCs for joint plan
			Update on the program names
			Update date format to eliminate confusion
			Update column headers: - "Province Wide Program Name" - "Proposed Regional or Local CDM Program or Pilot Program Name"
			Change reference to OPA
			Update Header and Footer
		E.. Proposed Program&Pilots	Additional boxes for proposed programs
			Update date format to eliminate confusion
		C. Detailed Information	Clarity if it is primary LDC or all LDCs in a joint CDM Plan.

