Senate Energy & Technology Committee
Energy Optimization under 2008 PA 295
October 25, 2011

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Lansing Board of Water & Light

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Overview

- The BWL is a municipal utility owned by the citizens of Lansing
- Largest municipally-owned electric utility in Michigan (96,000 electric customers)
- 3 Full time employees assigned to Energy Optimization administration
- $2.8 million allocated for 2011 EO programs
- 15,877 MWh goal for 2011 EO programs

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Typical Energy Optimization Programs

- Services for Low Income Customers
- Residential Programs
  - High Efficiency Lighting
  - Appliance Turn-in & Recycling
  - Multi-Family Services
  - Energy Star Products/Equipment
- Business Prescriptive & Custom Incentives
- Energy Education Services
- Pilot programs

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BWL 2009-10 Program Summary

- Low Income
  - 204 Single family homes & 780 Multi-family units
- Residential
  - 64,000 CFL's distributed
  - 460 HVAC applications processed
  - 1,278 Refrigerator/Freezers recycled
  - 3,426 Multi-family apartments
- Business
  - 234 applications processed
- Education
  - Participated in 60 local events

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PA 295 Energy Optimization Requirements

- Programs for each customer class including low income residential
- Provide for administration of programs
- Process for independent expert evaluation
- Programs must be collectively cost-effective
- Submit an annual report to the MPSC and governing body

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Energy Optimization Plan Process

- Plan designed by outside contractor
  - Determine measures, estimated incentives and benefit/cost test results
- Hire implementation contractor(s) for majority of residential, business and low income programs
  - Small utilities implement programs with in-house personnel
- Hire independent expert evaluation contractor
- Residential Lighting, Education and Pilot programs implemented by utility personnel
- Administration of programs and all required reports done by utility personnel

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EO Reports Due in 2011

Date	***Reports and Notifications***
5/15	EO Quarterly Interim Report (Jan-Mar) to MPSC
5/31	2010 EO Annual Report to MPSC
June	2010 Program Summary to Board of Commissioners
July	Summary of EO and RE programs to customers
8/1*	Notice of Intent to File EO Plan Review to MPSC
8/15	EO Quarterly Interim Report (April-June) to MPSC
August*	Plan available to customers for comments
9/1*	EO Biennial Plan filed with MPSC
11/15	EO Quarterly Interim Report (July-Sept) to MPSC

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Utility	Total Consumers	2015 Projected Retail Sales (MWh)	2015 Savings 1% Goal (MWh)	2% of 2009 Total Retail Revenue (000)
Daggett Village of	164	1,421	14	2,770
Detroit City of	195	502,051	5,021	964,068
Stephenson City of	483	6,057	61	13,236
Baraga Village of	844	20,199	202	42,120
Wakefield City of	1,208	14,031	140	27,420
L'Anse Village of	1,220	13,559	136	32,030
Sebewaing City of	1,245	40,869	409	65,240
Croswell City of	1,305	37,171	372	54,460
Hart Hydro City of	1,320	43,300	433	63,420
Clinton Village of	1,404	23,030	230	56,320
Union City Village of	1,420	14,231	142	35,000
Newberry Water & Light Board	1,488	18,848	188	42,260
Crystal Falls City of	1,599	16,015	160	35,640
St Louis City of	1,836	36,876	369	73,320
Paw Paw Village of	1,964	40,915	409	79,220
Norway City of	2,252	29,626	296	66,760
Negaunee City of	2,258	21,803	218	65,860
Portland City of	2,491	35,316	353	71,840
Lowell City of	2,535	59,614	596	108,540
Chelsea Village of	2,708	91,234	912	150,120

Utility	Total Consumers	2015 Projected Retail Sales (MWh)	2015 Savings 1% Goal (MWh)	2% of 2009 Total Retail Revenue (000)
Eaton Rapids City of	2,753	328,687	3,287	135,160
Gladstone City of	2,950	32,356	324	76,660
Dowagiac City of	3,097	71,114	711	133,580
Harbor Springs City of	3,679	36,638	366	69,580
Charlevoix City of	4,398	61,362	614	110,240
Marshall City of	4,570	103,128	1,031	242,620
Petoskey City of	5,849	102,173	1,022	166,720
Zeeland City of	5,935	286,998	2,870	383,300
Hillsdale Board of Public Wks	6,317	121,342	1,213	258,260
Coldwater Board of Public Util	6,832	358,759	3,588	546,480
Sturgis City of	7,062	218,250	2,183	384,800
Escanaba City of	7,282	145,873	1,459	257,600
Niles City of	7,411	128,166	1,282	234,420
South Haven City of	9,426	128,032	1,280	242,036
Traverse City City of	11,781	314,881	3,149	526,960
Wyandotte Municipal Serv Comm	12,506	253,415	2,534	416,780
Grand Haven City of	13,383	276,856	2,769	549,520
Marquette City of	15,766	313,839	3,138	506,080
Bay City City of	20,206	328,834	3,288	583,640
Holland City of	27,510	1,084,539	10,845	1,401,460
Lansing City of	96,202	2,162,938	21,629	3,438,780
Totals	304,854	7,924,346	79,243	12,714,320

Concerns & Challenges

- Costs for program design, implementation, and third party evaluation
- Utility staff time required for administration and reporting of programs
- Market Saturation – how to meet goals when the low cost improvements have been implemented
- Economic conditions in Michigan

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Thank you.

Questions?

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