

Energy Optimization

In 2014, the BWL continued to offer its Energy Optimization program, Hometown Energy Savers®. It allows BWL residential electric customers to participate in several programs to save energy.

Low Interest Loans for both Residential and Business Customers.

The BWL partnered with Michigan Saves and Consumers Energy to offer reduced interest loan rates for energy efficiency improvements such as high efficiency lighting, heating and cooling equipment, and insulation.

Home Energy Rebates. By partnering with local retailers and contractors, BWL offered rebates to customers for installing energy efficient products such as lighting, central and/or room air conditioners, dehumidifiers, refrigerators, programmable thermostats and more. For details, visit lbwl.com/EnergySavers.

Our **Appliance Recycling** programs offered free pick up and cash rebates for residential customers wishing to recycle older, inefficient refrigerators, freezers, room air-conditioners and dehumidifiers. For the sixth year, BWL joined community partners to host Recycle Rama and Recycle! East Lansing.

Hometown Energy Savers® offered efficiency assistance to customers on limited incomes, with BWL free energy kits and the **Hometown Help** energy assessment program that included self-help education and the installation of a variety of high efficiency products.

Business customers could apply for financial incentives for upgrading existing equipment for greater efficiency, which saves energy. Incentive examples include: lighting, air conditioners, occupancy controls and food service equipment.

Renewable Energy

In addition to helping resident's become more energy efficient, the State of Michigan's Clean, Renewable and Efficiency Act requires utilities to acquire more renewable energy – sometimes called "green" or "clean" energy.

The BWL's efforts to date to meet state-mandated renewable energy goals include:

- A long-term agreement to buy electricity that is generated from landfill gas. Currently, the BWL powers more than 13,000 Lansing-area homes with this form of renewable energy.

- Owning and operating both hydroelectric and solar generation facilities. The BWL has one of Michigan's largest solar array systems and in July 2014, completed the expansion of the Cedar Street Solar Array which almost tripled generating capacity.
- The BWL began receiving wind energy in the fall of 2014. The eight wind turbines are located east of Ithaca in Gratiot County approximately 45 miles north of Lansing.
- Issued and awarded a RFP for solar energy for up to 20 megawatts of capacity for a solar array to be located in the BWL service territory. The BWL is also pursuing a Community Solar program with a Michigan-based organization.
- The BWL is on track to meet the utility's 10% renewable energy goal by 2015. This goal is established by Michigan law.

For the 2014 reporting period, the BWL generated or acquired 102,827 megawatt hours of renewable energy, including incentives. During that time frame, the BWL's average renewable energy was approximately 5% of its total retail electric generation.



Cost to Customers

- The 2014 itemized monthly charge for a residential customer for the Renewable Energy program requirements under Public Act 295 was reduced in November to \$0.75 per month for Residential Rate 1 and \$0.50 per month for Senior Citizen Rate 21.
- The 2014 itemized monthly charge for a residential customer for the Energy Optimization program as required under Public Act 295 was \$0.001853 per kilowatt hour.
- The average electric residential customer is expected to save \$3.61 each month of the Energy Optimization program's life.
- For the average Michigan residential customer, renewable energy is estimated to avoid \$3.08 per month of new coal-fired generation costs.
- The Michigan Public Service Commission's annual report on renewable energy can be viewed on their website: michigan.gov/mpsc



www.lbwl.com/EnergySavers

BWL CONNECTIONS

Report Outages

Power, Downed Line or Streetlight
877-295-5001

Outage Center
lbwl.com/outagecenter

BWL Mobile App
lbwl.com/app

Outage Texting
898295/txtbwl

Water Main Break
517-702-6490

Medical Alert Form

If in-home medical equipment depends on electricity, sign up for our medical alert list. Call 517-702-6006, or go to lbwl.com and click on Medical Alert Form.

Seniors Shut-off Protection

If you are 65 or older, the BWL will not shut off your electricity during the heating season. Call 517-702-6006.

Military Families

Families with active members of the U.S. Military are protected from shut-offs. Call 517-702-6006.

Low-Income Families

You may qualify for a winter protection payment plan. Call 517-702-6006.



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July 2015

2014 Annual Summary Report for the Energy Optimization and Renewable Energy Plan

In 2008, the Michigan legislature passed "Clean, Renewable and Efficiency Energy Act," also known as PA 295. The goal of the legislation was to help Michigan residents reduce their energy use. The Lansing Board of Water & Light has designed and implemented programs to assist our customers in realizing energy savings as required by PA 295.

This report summarizes the BWL's efforts for 2014. Copies of the complete 2014 annual reports for both the Energy Optimization and the Renewable Energy Plans are available at our Customer Service Department and on our website lbwl.com.

