

Village of Union City

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2011 Energy Optimization and Renewable Energy Report

A law enacted by the State of Michigan aims to help Michigan residents reduce their energy needs. Public Act 295 (PA 295), the Clean, Renewable and Efficient Energy Act, requires the Village of Union City to assist customers with energy efficiency through Energy Optimization Programs. This report summarizes the Village's efforts for 2011. The complete 2011 annual reports for both the Energy Optimization and Renewable Energy Plan are available at the Village office or on our website (www.visitunioncity.com).

Energy Optimization Summary.

The Village of Union City has taken the following actions to comply with the EO standards:

- Filed a 4-year Energy Optimization plan with the Michigan Public Service Commission (MPSC) on March 31, 2009. The EO plan was approved by the MPSC.
- Launched educational and energy optimization programs for all customer classes.
- The law required the Village to reduce usage by 117,636 kWh and the Village cut usage by 128,530 kWh in 2011.

Renewable Energy Summary

The Village of Union City has taken the following actions to comply with the Renewable Energy Plan standards:

- Filed a 20-year Renewable Energy Plan (REP) with the Michigan Public Service Commission (MPSC) as required by PA 295. The REP was found to be in compliance.
- Constructing a fractionalized waste energy facility at the Endicott Generating Station in Litchfield Michigan.
- Proactively evaluating opportunities for utility grade wind, hydro and solar resources.

Costs to Customers.

- The 2011 itemized monthly charge for a residential customer for implementing the renewable energy program requirements under PA 295 was \$0.0.
- The 2011 itemized monthly charge for residential and commercial customers for implementing the energy optimization program as required under PA 295 was \$0.000895/kWh and \$4.52/meter respectively.
- The average electric residential customer is expected to save \$4.93 each month of the Energy Optimization program.
- For the average Michigan residential customer, renewable energy is estimated to avoid \$3.90 per month of new coal-fired generation costs.
- The Michigan Public Service Commission's annual report on renewable energy can be viewed at the following website: <http://www.michigan.gov/mpsc>