



2015 Annual Summary Report for the Energy Optimization (EO) and Renewable Energy Plan (REP)

Pursuant to Public Act 295 (PA 295) of 2008, the City of Dowagiac Department of Public Services (Dowagiac DPS) is providing this annual summary for the Energy Optimization (EO) and Renewable Energy Plan (REP) for the calendar year 2015.

The City of Dowagiac, for the calendar year 2015, contracted with Efficiency United to administer the Energy Optimization programs to comply with PA 295. You can visit their website at www.encyciencyunited.com or at the City of Dowagiac's website www.cityofdowagiac.com. Information on all programs and rebates can be found there.

2015 Energy Optimization Program Results:

| Program | EO Credits Generated | | EO Expenditures | |
|---------------------|----------------------|--------------------|---------------------|---------------------|
| | 2015 Actual (kWh) | 2016 Goal (kWh) | 2015 Actual (\$) | 2016 Budget (\$) |
| Income Qualified | 31,090 | 18,117 | \$13,830 | \$8,695 |
| Residential | 205,042 | 164,484 | \$37,446 | \$20,501 |
| C&I (Business) | 686,815 | 467,966 | \$69,904 | \$46,175 |
| GRAND TOTALS | 922,947 | 650,567 | \$121,180 | \$75,371 |

The City of Dowagiac, through Efficiency United, contracted with an independent auditor to verify the incremental gross energy savings for each EO program for the year 2015. DNV GL-Energy has reported that the City of Dowagiac has met the energy savings requirements of PA 295.

2015 Renewable Energy Plan Annual Summary:

Section 51. (1)

The City of Dowagiac has taken the following actions to comply with the REP standards:

- Filed a 20-year Renewable Energy Plan (REP) with the Michigan Public Service Commission (MPSC) on March 31, 2009 as required by PA 295 and found to be in compliance on July 1, 2009. The Biennial REP Plan was submitted on June 30, 2015 and subsequently approved by the MPSC.
- The City of Dowagiac receives its power from AEP, the city's wholesale supplier. As part of its contract, the wholesale supplier provides all necessary Renewable Energy Credits to satisfy the city's requirements under the renewable energy section of PA295.

Out of retail sales of **65,057** MWh, the City of Dowagiac acquired **6,506** MWh of renewable energy from renewable energy systems. The City of Dowagiac estimated average renewable energy compliance percentage for the 2015 reporting period was approximately 10%. This is because the city relies on its wholesale supplier for renewable energy systems as noted above.

PA 295 Section 45 (5)

- (a) The 2015 itemized charge for a residential customer for implementing the Energy Optimization program as required under PA 295 was \$0.002 per kWh.
- (b) The 2015 itemized monthly charge for a residential customer for implementing the Renewable Energy program requirements under PA 295 was \$0. The total cost to the City of Dowagiac was \$0, with an anticipated annual expenditure of \$0.
- (c) The average electric residential customer is expected to save \$4.04 each month of the Energy Optimization/Efficiency program life.
- (d) For the average Michigan residential customer, renewable energy is estimated to avoid \$3.15 per month of new coal-fired generation costs.
- (e) The Michigan Public Service Commission's annual report on renewable energy can be viewed at the following website: <http://www.michigan.gov/mpsc>.