

VILLAGE OF SHERBURNE

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Original Pageant of Bands Annually – First Saturday in June

Travis DuBois
ELECT. LIGHT SUPT.
674-2202

James Taylor
ATTORNEY

December 17, 2013

The Honorable Kathleen H. Burgess
Secretary
New York State Dept. of Public Service
Three Empire State Plaza
Albany, New York 12223-1350

Re: Case 07-E-1303

Dear Secretary Burgess:

In accordance with the Commission's decision in Case 07-E-1303 (Order Approving Cost Recovery for Energy Efficiency Programs, November 24, 2008), attached is an annual results report for the Village of Sherburne Energy Efficiency Program Charge.

Respectfully submitted,

Travis DuBois
Superintendent



Energy Efficiency Program Results Report

for the

Village of Sherburne

Reporting Period: 7/1/12 - 6/30/13



On November 24, 2008 an order was issued approving cost recovery for energy efficiency programs (CASE 07-E-1303) petitioned by the New York Association of Public Power including the Village of Sherburne. Beginning with April 2009 collections, the Village of Sherburne began charging an Energy Efficiency Program Charge (EEPC) of \$0.001/kWh on all customer bills, while also implementing various energy efficiency projects for its customers. Condition #6 of the order requires that a report of results be prepared and filed with the commission each year by September 1st, reflecting the previous twelve month period ending June 30 of the current year.

The results discussed in this submittal are for a 12 month period spanning the time period of July 1 thru June 30 per the order.

A brief description of each project is detailed below while results are in tabular form in Appendix A.

Energy-Star Rated Refrigerator Rebate

ENERGY STAR qualified refrigerators require about half as much energy as models manufactured before 1993. ENERGY STAR qualified refrigerator models use at least 20% less energy than required by current federal standards and 40% less energy than the conventional models sold in 2001. ENERGY STAR qualified refrigerator models use high efficiency compressors, improved insulation, and more precise temperature and defrost mechanisms to improve energy efficiency. Many ENERGY STAR qualified refrigerator models include automatic ice-maker and through-the-door ice dispensers. Qualified models are also available with top, bottom, and side-by-side freezers.

- A general and conservative estimate is 500 kWh savings annually with the replacement of an existing refrigerator with a new Energy-Star rated unit.

See Appendix A for number of rebates issued and estimated total energy savings.

Energy-Star Rated Dishwasher Rebate

ENERGY STAR qualified dishwashers use at least 41 percent less energy than the federal minimum standard for energy consumption. ENERGY STAR qualified dishwashers use much less water than conventional models. Saving water helps protect our nation's water supplies.

- A general and conservative estimate is 230 kWh savings annually with the replacement of an existing dish washer with a new Energy-Star rated unit.

See Appendix A for number of rebates issued and estimated total energy savings.

Energy-Star Rated Clothes Washer Rebate

An ENERGY STAR qualified clothes washer can save 500 kWh per year compared to a regular clothes washer. ENERGY STAR qualified washers are also better for the environment because lowering energy and water use means less air pollution from power plants and less water going to waste.

- A general and conservative estimate is 500 kWh savings annually with the replacement of an existing clothes washer with a new Energy-Star rated unit.

See Appendix A for number of rebates issued and estimated total energy savings.



Programmable Set-back Thermostats Rebate

An ENERGY STAR qualified programmable thermostat helps make it easy for one to save by offering four pre-programmed settings to regulate a home's temperature in both summer and winter — when one is asleep or away. The pre-programmed settings that come with ENERGY STAR qualified programmable thermostats are intended to deliver savings without sacrificing comfort. Depending on a family's schedule, a significant savings can be realized by sticking with those settings or adjusting them as appropriate for the family. The key is to establish a program that automatically reduces heating and cooling in the home when not as much is needed.

- Estimate 25,000 kWh/yr/household for electric heat
- Published savings from programmable thermostats vary up to 20%. Use conservative estimate of 10%/yr.
- Savings: 2,500 kWh/unit/yr

See Appendix A for number of rebates issued and estimated total energy savings.

Municipal LED Lighting

This project was initiated in April 2009 and a conscious decision was made early on in this project to spend time on researching manufacturers and evaluating LED Street lights while accruing funds with which to purchase. During the period covered by this report, the Village of Sherburne has installed a total of 20 LED overhead street lights – replacing 170 Watt units with 80 Watt. Savings per unit are based on an average 11 hour runtime.

See Appendix A for number of rebates issued and estimated total energy savings.

Home Weatherization Rebate

The Village of Sherburne continues to act as a good steward of the hydro-power by beginning in March of 2011 is focusing on Home Weatherization. Rising oil costs are pushing consumers to use more electric heating in their homes. Leveraging the Green Jobs-Green New York Free and Reduced-Cost Energy Audits, the Village expects not only energy savings, but cost savings as well by lowering the Village's system peak. (Winter system peaks are set in the coldest mornings.)

- Rebates can be for weather-stripping, windows, doors or insulation. For the sake of calculation, 2500 kWh will be estimated savings for each rebate.

See Appendix A for number of rebates issued and estimated total energy savings.

Rental Property Weatherization Rebate

Similar to the Home Weatherization Rebate, yet geared towards the landlord for rental properties.

- Rebates can be for weather-stripping, windows, doors or insulation. For the sake of calculation, 2500 kWh will be estimated savings for each rebate.

See Appendix A for number of rebates issued and estimated total energy savings.



Commercial and Industrial Energy Efficiency Rebate

The Village of Sherburne is offering commercial and industrial customers financial incentives (rebates) for energy efficiency projects. The program's goal is to promote investment in new high quality lighting and motor equipment that operates at a very high level of electrical efficiency.

- Commercial and Industrial customers classified as Service Class 2, 3 and 9 in the Sherburne Electric service territory are eligible to participate in the program.
- Projects with rebates over \$1000 will need pre approval.
- Rebates will be sent out in the form of a check.
- Companies are limited to a maximum of \$2,500 of rebates annually.
- The cost of installation is not included in the rebates.
 - 4' Fluorescent, 1 or 2 lamp T8, Super T8, T8 HO, Up to \$40 each or up to \$25 for retro fits
 - 4' Fluorescent, 3 or 4 lamp T8, Super T8, T8 HO, Up to \$45 each or up to \$30 for retro fits
 - 8' Fluorescent, T8, T8 HO, Up to \$50 each or up to \$35 for retro fits
 - LED Exit Signs – Up to \$25 each
 - High Bay T5 Fixtures – Up to \$70 each
 - Occupancy Sensors – Up to \$30 each (Manual ON override capability are NOT eligible)
 - NEMA Premium Efficiency Motors 1-200 HP
 - 1-7.5 HP, \$25 per HP
 - 10-25 HP, \$15 per HP
 - 30-100 HP, \$7.5 per HP
 - 125-200 HP, \$5 per HP
 - Variable Speed Drives for single-speed motors
 - 1-10 HP, \$200 per HP
 - 15-25 HP, \$125 per HP
 - 30-50 HP, \$100 per HP
 - 60-100 HP, \$75 per HP

See Appendix A for number of rebates issued and estimated total energy savings.

Residential and Commercial Comprehensive Building Improvement Rebate

Money has been accrued for this portion of the Program in order to fund a comprehensive improvement plan for residential and commercial buildings. Improvement rebates are available for insulation, replacement windows, and certain high efficiency heating and cooling equipment. During the reporting time period, the Village of Sherburne spent \$0.00 on this project and upon preparing this report, there are no results to discuss within this report.

Shade Tree Program

The shade tree program has been conducted per the program plan. Shade trees are an investment in future energy savings and don't have an immediate impact on energy savings. There are no reportable results to discuss within this report.



Appendix A

Number of Units and Estimated Energy Savings

Item	Number	Annual kWh Savings per Unit	Totals
Customer Incentives			
Refrigerator Rebate	28	500	14,000
Dishwasher Rebate	17	230	3,910
Clothes Washer Rebate	10	500	5,000
Programmable Thermostat Rebate	12	2500	30,000
Home Weatherization	13	2500	32,500
Rental Property Rebate	12	2500	30,000
Commercial/Industrial Rebate	1	8700	8,700
Municipal LED Lighting	12	361	4,336
Building Improvement	-	-	-
Shade Tree Program	-	-	-
Total Annual Energy Savings (kWh)			128,446

All savings are calculated estimates