



THE CITY OF
CANTON
WILLIAM J. HEALY II, MAYOR



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FOR IMMEDIATE RELEASE

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Canton receives \$800K energy efficiency stimulus grant *Healy, Bocchieri work together to bring back federal funds to lower city's bills*

CANTON, Ohio - Canton Mayor William Healy and U.S. Representative John Bocchieri (D-Alliance) today announced more than \$800,000 in stimulus recovery funds are coming to Canton to pay for an energy efficiency project that will reduce the city's energy bills and support the preservation of local jobs.

"In these tough economic times, we must find ways reduce the amount of money wasted on utility bills as a result of inefficiency," Healy said. "This grant allows us to make these much-needed improvements without having to tap into our cash-strapped general fund, and furthers my administration's commitment to creating a sustainable city government that adapts to change."

"These Recovery dollars are going to work for our part of Ohio, proving that a strong national energy policy can help our cities become more energy efficient and preserve jobs at the same time," Bocchieri said. "I'm proud we were able to bring back one of the first two grants of this nature to an Ohio city. Like me, the Department of Energy believes the cheapest energy is the energy we never use - and that is why we must push for efficiency."

The City will utilize a portion of the grant to hire a technical consultant who will develop a detailed energy conservation master plan for city government. The Energy Conservation Master Plan (ECMP) will serve as a long-term road map for the City to cut the amount of money spent annually on utility costs and reduce the City's carbon footprint. The audit is expected to begin by November 2009 and will continue through Spring 2010.

According to the U.S. Department of Energy, the City of Canton is one of the first two cities in Ohio selected for this Recovery funding. The City of Marion also received more than \$150,000 in this first round of energy efficiency funds.

The Energy Conservation Master Plan (ECMP) will result in the following:

- **A detailed audit and general assessment of energy consumption** in City owned buildings, wastewater treatment plant pumping, water facility pumping, and the conversion of street lights to LED fixtures. This audit and assessment will also study ways to lower emissions from the City's vehicle fleet, review traffic signal timing, and find ways to improve local public transportation.
- **Recommendations of various methods for implementing energy conservation measures**, including the education of City staff, development of energy design standards, and codes for new construction and renovations and equipment replacement.
- **A strategy to reduce the total energy use** of City owned buildings and systems
- **A long term strategy to implement and fund ongoing energy conservation programs for the city**
- **A strategy to reduce fossil fuel emissions, while maximizing to the greatest extent practical, economic benefits for the City.**

A full description of other funded programs is listed below.

- **Traffic Signal Retrofit**

The City will replace incandescent traffic signals with light emitting diode (LED) bulbs. The City has completed the first phase of a project to retrofit the traffic signals from incandescent to LED. LED's consume 80-90% less energy than incandescent and have a service life that is 10 times longer than incandescent. Additionally, LED traffic signals provide a better quality of light that is more visible even in direct sunlight. Currently the City owns approximately 1,354 traffic signals, 983 pedestrian signals and 25 flashing traffic signals. Approximately 63% of the traffic signals, 97% of the pedestrian lights and 40% of these were retrofitted from incandescent to LED as part of the recently completed project. A total of approximately 1,600 lights need to be retrofitted from incandescent to LED.

- **Illuminated Street/Regulatory Sign Retrofit**

Replace the 53 illuminated street name and regulatory street signs to LED fixtures. LED's consume 80-90% less energy than incandescent and have a service life that is 10 times longer than incandescent. Currently the City has 21 signs with 100-watt Mercury Vapor fixtures, 12 signs with 60-watt T12 Fixtures, 9 signs with 85-watt T12 fixtures and 11 signs with 110-watt T12 fixtures.

- **City Hall/Service Center/Civic Center Lighting Retrofit**

The City has many buildings with fluorescent lamps with 1st generation (hybrid) electronic ballasts as well as fluorescent lamps with electromagnetic ballasts. Fluorescent lighting has gone through revolutionary improvements in the last few years. The latest generations of electronic ballasts are more efficient than the currently used hybrid ballast. This is achieved by operating lower watt fluorescent lamps at higher frequencies (which require 20% less energy). These electronic ballasts utilize a lower ballast factor that further reduces energy consumption while maintaining proper operating conditions to maximize lamp performance. It is also important to note that T12 fluorescent lamps will no longer be manufactured as of 2010. The maximum energy efficiency is realized by combining the newest technologies of both lamp and ballast together. In addition, occupancy sensors will be utilized for spaces such as large conference rooms and training rooms that have large and intermittent occupancy.

- **Roadway Lighting Retrofit (Phase 1)**

Replace the decorative streetlights with LED fixtures. LED's consume 40-50% less energy and a service life that is 2-3 times longer than high-pressure sodium. Currently the City has 671 – 100-watt, High Pressure Sodium (HPS) streetlights that will be converted to 55-watt LED fixtures. The City will complete this in two phases and will seek additional funds for Phase 2. Implementation of Phase 2 is contingent upon the City's ability to leverage funding available from other sources including the local electrical utility.

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