



Clinton County Lighting the Way

Clinton County in partnership with the Michigan Energy Office replaced 166 outdoor and 37 indoor conventional light fixtures with energy-efficient LED (light-emitting diode) fixtures. The light fixtures were installed on and around the County Courthouse/St. Johns City Hall, Sheriff's Office/Jail, Mid-Michigan District Health Department, Building and Grounds Facility, and Francis Motz County Park beach house.

LED flashlights and Christmas tree lighting have been available for several years; however, advancements in technology needed to move from novelty items to regular residential and commercial lighting applications are recent developments. As of March 2012, the Clinton County project is the only known large commercial application of LED lighting technology in Clinton County.

PROJECT BENEFITS

- **COST SAVINGS:** Estimated \$20,000 annual savings due to reduced electric utility, lamp replacement and labor cost required to maintain 203 LED lamps.
- **WARRANTY:** LED lamps come with a 7-year guarantee against defects in material and workmanship. If a lamp exhibits greater than 30% degradation in light output or more than 5% of the LEDs have totally failed, a replacement lamp will be provided without cost.
- **LIGHT QUALITY:** LED lamps are designed to reduce or eliminate glare on non-targeted nearby buildings or up into the sky. Residents living near county buildings and parking lots will notice and welcome the difference.
- **ENVIRONMENTAL:** Greenhouse Gas emission reductions benefits the environment in numerous ways.
- **SUSTAINABILITY:** Combined with other energy-saving improvements, enables Clinton County Board of Commissioners to provide long-term, cost-effective services to residents.



The Michigan Energy Office is part of the Michigan Strategic Fund (MSF), which receives administrative services from the Michigan Economic Development Corporation. The MEDC, a public-private partnership serving as the state's marketing arm and lead agency for business, talent and jobs, focuses on helping grow Michigan's economy. For more on the MEDC and its initiatives, visit: MichiganAdvantage.Org.

PROJECT COST

An energy conservation project funded in part by a grant from the Michigan Energy Office with funds made available by the American Recovery and Reinvestment Act (ARRA) of 2009.

ARRA Grant Funds:	\$	87,121
County Funds:	\$	36,421
County In-Kind	\$	5,977
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Total Project Cost:	\$	129,519

