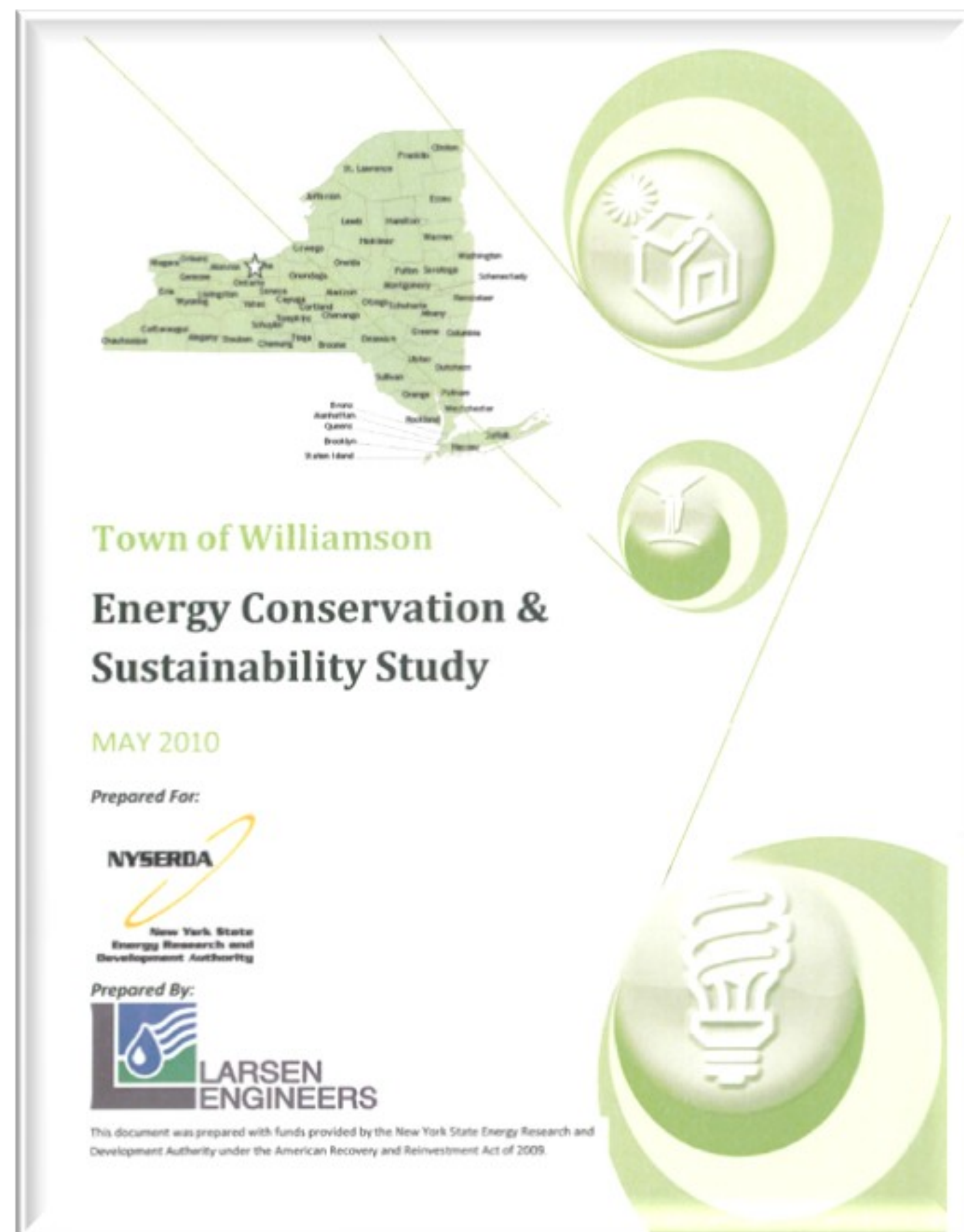




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NYSERDA PON0004 PLANNING GRANT



The PON0004 project involved the development of a Strategic Sustainability Plan with a goal toward Energy (electricity) Independence for the Town of Williamson. Planning began through a collaborative process, that included local stakeholders—business owners, farmers, residents, engineers, and school educators and administrators. Involved stakeholders focused on the following topics: water and waste; transportation, parks and trails; energy; and economic development. Williamson’s sustainability projects stemmed from this planning.

Energy audits were performed on municipal buildings and energy conservation and efficiency recommendations were made based on the audit results.

The project also served as a community outreach tool by educating the public on sustainability and green technologies to reduce energy use and costs and to conserve natural resources.

THE TOWN OF WILLIAMSON’S JOURNEY TO ACHIEVE ENERGY INDEPENDENCE

GREEN INNOVATION GRANT PROGRAM (GIGP) 2009 – The Town of Williamson was successful in receiving **90% FUNDING** for wastewater treatment plant (WWTP) green improvements through the New York State Environmental Facilities Corporation under the stimulus package energy conservation grants for sustainable green planning. A total of 294 applications were submitted for the Grant Program with only 54 awards being made.

TOTAL PROJECT COST: \$757,000.00
GRANT FUNDS RECEIVED: \$664,000.00

Green Infrastructure projects included a **Rainwater Harvesting & Reuse System** and installation of a **Green Roof**. Energy efficiency improvements included installation of **Energy Efficient Lighting & Dimmable Occupancy Sensors**, a new **93.3% Efficient Boiler**, and **Solar Energy** which provides over 15% of the facility’s current electric needs.
Amount electrical usage (kWh/yr) replaced or reduced by clean energy technologies - Total electric use was 436,000 kWh/yr. Solar is assumed to be 80% efficient and produce electricity for 7 hrs/day. Lighting demand is reduced by 40%. Sensors reduce lighting usage by 40%.

Williamson is the Only Town in the Finger Lakes Region of NY to Generate All Electricity for Its Municipal Facilities from a 1.5 MW Solar PV System

The Town of Williamson, NY now has one of the largest solar panel arrays in the greater Rochester area. Construction was recently completed on a 1.5 MW solar array, which consists of nearly 5,000 solar panels and is built on top of the closed Pound Road land-fill in Williamson. This solar photovoltaic (PV) system supplies enough electricity to meet all of the current demand of the Town's municipal facilities.

Larsen Engineers was the engineering consultant on this project and assisted Williamson with each phase of the project from planning to implementation. The selected solar developer was Sustainable Energy Developments, Inc. based in Ontario, NY. The project was funded under the NY-Sun Initiative Program, which is run by NYSERDA and is part of Governor Cuomo's commitment to protect the environment. The town anticipates significant savings from this project, \$27,000 in savings in 2015, and up to \$1.5 million in savings over the next 25 years.



PROJECT IMPLEMENTATION FUNDING OF GREEN MEASURES ENERGY EFFICIENCY & CONSERVATION BLOCK GRANT PROGRAM – SOLAR PHOTO-VOLTAIC (PV) SYSTEMS

NYSERDA RFP 10, ARRA ASSISTANCE
 Larsen Engineers prepared applications and was awarded grants for three municipalities for the implementation of energy conservation measures in April 2010. Williamson was one of these municipalities. Larsen Engineers designed the upgrades and was responsible for overseeing construction and implementation.

TOWN OF WILLIAMSON —This funding was used to install a ground mount solar electric system at Williamson’s Town Complex. This 48.96 kW photovoltaic system reduces the amount of electricity the Williamson Town Complex buys from conventional electric generating facilities and supplies approximately 20% of the electricity used by the Williamson Town Complex with clean renewable energy. Larsen Engineers was responsible for the solar array design. *Award Amount: \$287,261.00*

