



ENERGY SERVICES
ASSOCIATION
OF CANADA

PROMOTING
PERFORMANCE
BASED SOLUTIONS

case study

The Town of Orangeville

The Town of Orangeville works with Ainsworth for extensive energy savings.

*Performance-based solutions become the **premier choice** for energy and infrastructure renewal initiatives, resulting in fiscally and environmentally responsible outcomes.*



Project Description

The Town of Orangeville, one of the fastest growing municipalities in Ontario, takes energy conservation seriously. When Ainsworth approached The Town council with energy audit results for some of the town's facilities in 2006, the Town Council saw the opportunity for large energy savings. After Ainsworth completed a feasibility study, the Council approved the base project and capital upgrade measures for seven facilities in 2007.

Opportunity

Ainsworth's energy plan included the installation of high efficiency condensing boilers, motors and variable frequency drives at various locations; and retro-commissioning of the building automation systems at two facilities – all completed with minimal disruption to the facilities.

Results

The \$1.2 million project was estimated to provide \$176,406 in guaranteed yearly energy savings, with a simple payback of about 7 years. The project was also estimated to have reduced yearly CO2 emissions by 689 tons. Once the measurement and verification (M & V) stage was complete in 2010, it became clear the project had performed beyond expectations.

A more detailed analysis of this project is available at:

www.ainsworth.com/about-us/case-studies.html

