



## St Marys Cement - Reaping the Rewards From Participating in the Certification in Energy Excellence Program

### St. Marys Cement, Bowmanville

St. Marys Cement is a leading manufacturer of cement and related construction products. The company supplies cementitious materials to the Great Lakes Region and is a significant producer of concrete and aggregates to the Ontario market.

#### 360 Results

Industry: Cement Manufacturing

Energy Champions: E=MC<sup>2</sup> Group

360 Program Adopted: Certification in Energy Excellence

*“This was exactly what we needed - a process proven internationally, that used outside energy experts, who could assess and confirm our past activity, but also provide mentoring on how we could continue our ongoing energy performance improvements.”*

- Jim Storey,  
Co-Leader of E=MC<sup>2</sup>

St Marys Cement in Bowmanville is the largest cement plant in Canada, currently capable of producing 1.8 million tonnes of clinker per year. With an operating schedule of 24 hours per day and 7 days per week, the plant consumes a massive amount of energy. As a result, energy usage is a large expense for the plant, and one that has become the focus of everyone at the organization. To help reduce energy costs and energy waste and in order to help protect the environment, the managers at the Bowmanville plant have committed to developing and sustaining a culture of organizational energy excellence.

The plant began focusing on energy management in 2005, starting what would become a long-term commitment to improvement. Fabio Garcia, the Plant Operations Manager, encouraged members of the organization to find ways of reducing energy consumption and reducing associated costs. In 2006, the site created an integrated energy management team, the Energy Management Conservation Committee, also known as E=MC<sup>2</sup>. The team drew members from multiple departments including Finance, HR, Environmental, Quality Control and Production, and encouraged them to work together to discover technical and procedural solutions that would work best for the plant.

Through Fabio's leadership and the efforts of E=MC<sup>2</sup>, the Bowmanville plant achieved substantial savings through improved energy efficiency and cost efficiency with little or no capital. As a way to verify their savings and ensure that energy management didn't become the "Flavour of the Month", St. Marys pursued the newly-developed Certification of Energy Excellence (CEE) program. Independent energy professionals with a proven history of assessing energy excellence were given access to over 160 areas of the plant to evaluate equipment and procedures.