Mohawk College
Energy Management Services

Address (Map): 135 Fennel Avenue W, Hamilton, Ontario L9C 1E9 Canada
Sector: Educational
Delivery Type: Energy Management Services
MCW Office: Toronto
Sub Categories: College & University

Project Initiated In:
2005

Project Cost:
$13,000,000

Scope of Project:
2 Campuses - 1.3 Million Square Feet

Annual Energy Savings:
$400,000

Annual GHG Emissions Reductions:
1,500

Project Description

MCW has been a proud partner to Mohawk College and their commitment to reducing their two campus' environmental footprint while simultaneously increasing building services.
Mohawk understands that every dollar that can be saved in energy costs is a dollar that can be invested in serving their students. Since 2005, MCW's partnership has resulted in the reduction of over 1,500 tonnes of GHG emissions through the design, implementation and commissioning of over $13 million of energy and water savings measures. MCW looks forwards to its ongoing partnership as Mohawk grows to become one of Ontario's premier College Institutions.

Project Highlights:

- Implementation of a $9 million Energy Management Program, phased over a 3 year period to align with the availability of funding, which addressed energy efficiency, deferred maintenance, health and safety, occupant comfort, and reliability and capacity of central plant utility services.
- Development of a Master Plan in 2013 to address the College's aging central plant and electrical infrastructure and its ability to provide heating, cooling and electrical supply for a forecasted 30% increase in floor space over the next 10 years.
- Provision of mechanical and electrical design services for two major additions at Mohawk's Stoney Creek Campus as well as for the Fennell Campus Learning Exchange and Cummings Library which achieved LEED Gold certification.
- Turnkey engineering, project management and construction management services for the replacement of aging HVAC systems which optimize energy efficient technologies, are "right sized" for the area served and are implemented using a phased approach to minimize downtown and disruption to the teaching environment.