

COMMERCIAL PROJECTS



Project: Fletcher Business Park
930,000 Sq. Ft.

Industrial/Commercial warehouse and office

Scope of Work: 640 Premier Efficiency Collectors. The largest installation of solar thermal heating and cooling technology in the world. System includes 1.6 miles of piping, one mile of custom fabricated steel support for collectors and a 27,000 gallon water storage tank.

Project Status: Installed in December 2008

Project Partners: Vanir Energy



Project: Confederation Place Hotel, Kingston, Ontario
96-room, full service hotel

Domestic hot water and seasonal pool heating

Scope of Work: 20 Premier Efficiency Collectors, expandable to 40

Energy Terminal

Estimated Annual Output: 49,107 kWh/year

Energy Displaced: Natural gas

Estimated Cost of Solar Energy Supplied (after rebates):

25 years: 57¢/therm or 20¢/m³ (equivalent)

Estimated GHG Reduction: 15,116 kg/year

Project Status: Operating since November 2005

Project Partners: Quantum Renewable Energy



Project: Green Phoenix Apartments, Toronto, Ontario
Domestic hot water preheat

Scope of Work: 40 Premier Efficiency Collectors and Energy Terminal

Installation and project management

Estimated Annual Output: 79,233 kWh/year

Energy Displaced: Natural gas

Estimated Cost of Solar Energy Supplied (after rebates):

25 years: 65¢/therm or 23¢/m³ (equivalent)

Estimated GHG Reduction: 24,392 kg/year

Project Status: Installed in October 2008

Project Partners: Glenbarra Energy (project management)

G.O. Tap Mechanical (plumbing); Meehan's (structural);

Tak (structural engineering); Takric (mechanical engineering)