



CENTENNIAL POOL ENERGY RETROFIT PROJECTS

HRM Regional Council has approved Capital Funding for renovations to the Centennial Pool. The facility, located in central Halifax, was built for the 1967 Canada Games and has not had any significant upgrades since its construction. Due to the age of the building's equipment, the facility is not energy efficient and will be undergoing a number of energy efficiency retrofit projects along with other renovations. HRM expects that these upgrades will extend the "life of the building for an additional 20 years. Here are the changes that will be made:



Project 3: District Energy

The current heating and ventilation systems will be upgraded to maximize energy efficiency. To do so, the oil-fired boilers at the Centennial Pool will be removed and a trench (crossing Gottingen St.) will connect the facility to the Halifax Regional Police Headquarters heating system. The capacity of HPD's heating system will be upgraded to accommodate demands from the pool. Heat generated by the solar panels will be used to support the heating load for the Centennial Pool buildings as well.

Complete: Winter '10

Project 4: Electrical and Mechanical Services

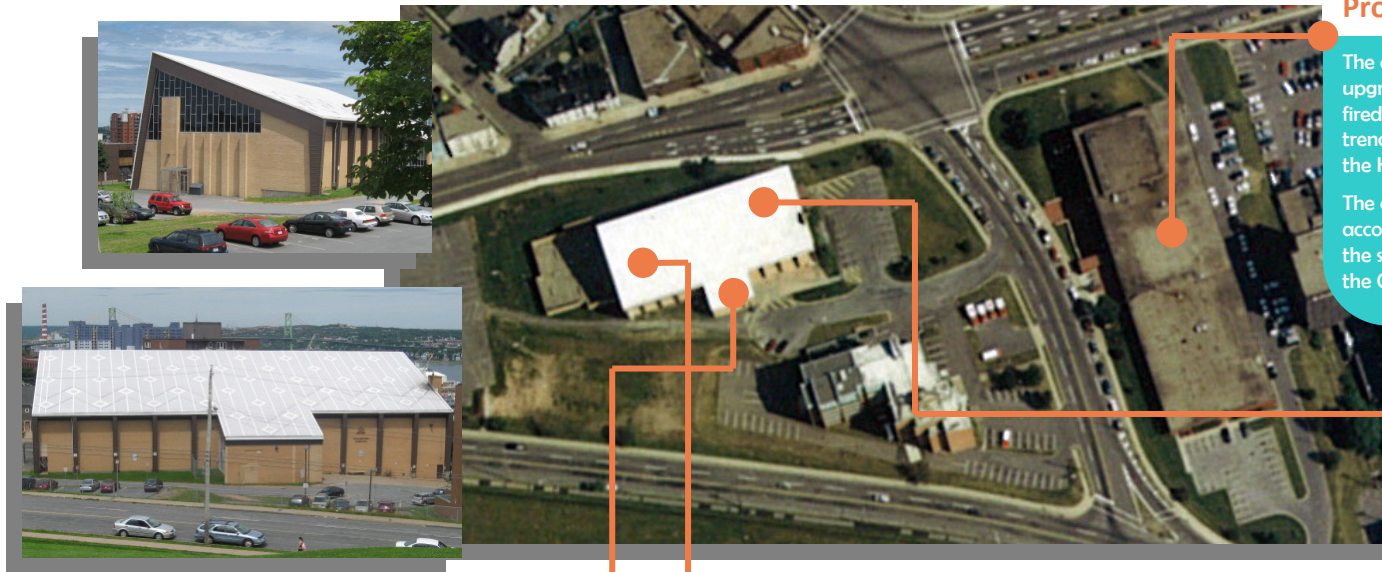
The final project involves significant improvements to the facility's electrical and mechanical systems.

A new electrical system will be built to accommodate electrical servicing of the facility. A dehumidifier will be installed to reduce the current high humidity levels.

The ventilation and plumbing systems will be upgraded to meet current best practice standards.

A sprinkler system will be designed to fit the new layout, meeting current recommended practices.

Complete: Fall '10



Project 1: Renovations to Locker Rooms and Lobby

Upgrades will be made to the materials and finishes in the lobby, locker rooms and washrooms of the facility. Measures will be taken to improve air quality and locker rooms will have in-floor radiant heating.

The layout of these areas will undergo design changes in order to bring the building up to current barrier free and accessibility standards.

Complete: Summer '09

Project 2: Solar Heating & Heat Recovery

The Centennial Pool has been chosen to demonstrate the effectiveness of solar hot water.

40 solar panels, each about 4 by 8 feet and 110 lbs., will provide domestic hot water to the Centennial Pool building.

The building's new mechanical systems will be designed to minimize energy use, lowering humidity levels and recovering "waste" heat for the pool water.

Complete: Spring '10

