

The CSSS Bordeaux-Cartierville-St-Laurent encompasses the four following shelter centres: Notre-Dame-de-la-Merci, Cartierville, St-Laurent and St-Joseph-de-la-Providence.



CSSS Bordeaux-Cartierville-St-Laurent

Mandate

2007 energy savings feasibility study:

Targeted reduction in annual energy consumption of 18,958GJ for an annual saving of \$423,856.

Plans and specifications: Five areas: automation, ventilation, electricity, plumbing, piping and architecture (2007)

Project management and supervision (2007-2009)

Automated energy management (2009-2012): Launch, operational optimization of electro-mechanical systems, assistance to local operator, optimization of energy billing.

Project Length

- Construction: 2007 to 2009
- Automated energy management and follow-up: 3 years

Cost

The total cost of the project was \$3.6million.

Project Measures

- Implementation of eco-energy measures in four buildings of the CSSS
- Steam/hot water boiler conversion of the CH Notre-Dame-de-la-Merci
- Boiler upgrade at the CH Cartierville
- Total upgrade and recommissioning of automated systems at Notre-Dame-de-la-Merci and Cartierville centres
- Implementation of a glycol heat recovery loop in two of the four buildings
- Lighting upgrade in two buildings
- Production of 3D mechanical plans

Results

The project was completed within budget allocations and in consideration of certain constraints associated with the shelter centres.

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