



Project Background

The Halifax Seaport Farmers' Market opened in 2010 as one of North America's most energy efficient buildings. As the longest continuously running Market in North America, it was important for the new building to promote local farmers, artisans and craftspeople in the most environmentally responsible way possible.

With over 250 vendors, the market was outgrowing its space, and when it was time to redesign the facility it was important for the vendors and market shoppers that this new structure was a leader in environmental initiatives. The structure was funded partially by the province of Nova Scotia, and had to represent the most technologically advanced and sustainable building processes possible.

Quick Facts

- **Location** — Halifax, Nova Scotia
- **Nordic Model** — W400
- **Unit Capacity** — 35 tons.
- **Units Installed** — 4
- **Total System Capacity** — 140 tons.
- **Unit Type** — Water-to-water
- **Unit Functionality** — Water-to-water heating or cooling (reversible) units with domestic hot water.
- **Project Size** — 55,000 square feet.
- **Project Value** — \$12 million
- **Designed By** — Lydon Lynch
- **Awards** — LEED Platinum



Geothermal Advantage

This building incorporates a whole host of efficient features, including four wind turbines, and 600 solar evacuated tube collectors to harvest energy from the roof, a 10,000 litre rain water collection storage tank used for toilet flushing and irrigation, a bio wall and 25,000 square foot green room.

In line with their desire to incorporate as many possible environmentally responsible features as possible, the Halifax Seaport Market relies on Maritime Geothermal Ltd.'s Nordic® heat pumps to maintain a consistent temperature within the structure.

The Result

There are four Commercial W water-to-water heat pumps installed on the second level of the building, helping the development achieve a 75% reduction in the amount of power required of a typical market building.

For more on how Maritime Geothermal Ltd.'s Nordic® heat pumps can impact your property, call to **Speak with one of our experts** or **find your local dealer** today.

