

MAKE ENERGY SOLUTIONS EASY

DIGBY FIRE STATION

RENEWABLE ENERGY SOLUTION - MINIMIZE COSTS

THE HISTORY

In recent years, Digby's municipal government has been establishing the Town as a 'green' zone through various renewable energy projects. This initiative has diminished the carbon footprint of the Town and implemented solutions that improved energy efficiency and converted fossil fuel-powered energy systems.

As part of this initiative, the Town has been upgrading many of their buildings in an effort to minimize energy costs and the Digby Fire Station was one of the buildings targeted. The goal was to reduce operational costs by cutting down their oil consumption, while using as much of the existing infrastructure and ductwork for easy installation of a new heating and cooling solution.

THE SOLUTION

The new Solution was installed in June 2017, in one day, by Weir's Refrigeration Sales & Service Ltd.

Refrigeration and services and included:

- Two (2) - 10 Ton Packaged Rooftop Heat Pump Units
- Two-stage cooling and economizer
- The existing system was left in place for backup use.

THE CUSTOMER

The Digby Fire Department employs over 20 firefighters and staff employees. With aging air conditioning units feeding over 4,000 square feet of upstairs space, it was time for a new cooling solution.

The project team quickly realized that heat pumps could provide the upstairs space with an efficient cooling solution, with the added benefit of providing heat in colder months and offsetting fossil fuel-fired heat.

The existing upstairs heating and cooling system consisted of:

- Oil-fired boiler supplying hot water baseboard radiators
- Two (2) 25 year old rooftop air conditioning units providing cooling

THE BENEFITS AND FEATURES

The rooftop heat pumps were the ideal solution for the upstairs space because of their efficiency and ease of installation. In addition to the cooling they provide, the cost savings effectively offset their oil costs.



For a copy of the complete case study or to learn more, contact one of our business solutions experts at: businesssolutions@nspower.ca