



HURON PERTH HEALTHCARE ALLIANCE SEAFORTH COMMUNITY HOSPITAL

CONSTRUCTION YEAR

2019

HIGHLIGHTS

Annual Electricity Reduction =
7573 kWh/yr

Annual Natural Gas Reduction =
0 m3/yr

Annual Energy Reduction =
7573 ekWh/yr

Annual GHG Reduction =
0.30292 tons/yr

EQUIVALENCY RESULTS

CO₂ Emissions From

0.0926935
Passenger Vehicles

0.0708833
Homes' Energy Use for One Year

0.2026535
Homes' Electricity for One Year

CHILLER REPLACEMENT

Seaforth Community Hospital (SCH) undertook the replacement of the central water-cooled chiller to achieve improved energy efficiency and reliability. The existing equipment was at end of useful life and the new equipment has greatly improved part-load efficiency to reduce energy consumption at the facility. Further, this project improves hospital infrastructure and ensures reliable cooling for years to come.

ENERGY & CARBON SAVINGS

The new water-cooled chiller provides an increase in overall efficiency through improved compressor and other equipment performance. Further, an upgraded sequence of operation provides more optimal overall chiller plant efficiency. Finally, the existing pumps were also replaced with new equipment and provides variable flow capability for both evaporator and condenser loops which provides significant improvement in pumping and system efficiency.