



## HURON PERTH HEALTHCARE ALLIANCE SEAFORTH COMMUNITY HOSPITAL

### CONSTRUCTION YEAR

2023

### HIGHLIGHTS

Annual Electricity Reduction =  
4783 kWh/yr

Annual Natural Gas Reduction =  
0 m3/yr

Annual Energy Reduction =  
4783 ekWh/yr

Annual GHG Reduction =  
0.19132 ton/yr

### EQUIVALENCY RESULTS

CO<sub>2</sub> Emissions From

0.0585439  
Passenger Vehicles

0.0447689  
Homes' Energy Use for One Year

0.1279931  
Homes' Electricity for One Year

### COOLING TOWER

Seaforth Community Hospital (SCH) undertook a project to replace their existing aging cooling tower. The existing tower was showing signs of corrosion and wear from over 15 years of service. This unit was replaced with a brand new, cooling tower with upgraded stainless-steel materials and a new vibration isolating base. The existing silencer was also removed.

This project was completed to improve hospital infrastructure and provide reliable cooling for years to come including corrosion protection and resiliency from vibration and seismic events.

### ENERGY & CARBON SAVINGS

The new tower runs much more efficiently than the old tower did as it is brand new with no corrosion or buildup of solids in the fill to reduce performance. Further the cooling tower fans are more efficient and have a revised sequence of automation. Finally, the removal of the silencer, which restricted the airflow, provides an increase in overall efficiency.