

Village of Sherburne Government Operations Climate Action Plan

According to the GHG Inventory, the Village of Sherburne created 291.48 MT CO₂e in 2018 from Scope 1 sources. The Village had zero emissions from Scope 2 sources as all purchased power was carbon-free electricity. Scope 3 emissions data was not collected. 48.25% of the Village's emissions came from the Sewer and Water Department, 41.37% came from the Department of Public Works, and the remaining 10.38% came from the Municipal Electric Department. 58% of total emissions came from stationary combustion, 37% came from mobile combustion, and 5% came from wastewater treatment.

Goals

With Stationary combustion being the largest contributor for emissions from the Village of Sherburne the main goal of the Village is to eliminate stationary combustion sources. The stationary combustion from the Sewer and Water Department, 118.96 MT CO₂e is a result of the oil-fired boiler used to heat the sludge. The Village is in the process of applying for and completing a complete upgrade on the Wastewater Treatment Plant. The upgrade would either replace the oil-fired boiler with a more efficient electric model thus making the emissions zero, due to the Village's electric being 100% carbon-free through the year 2040 or result in an aerobic process no-longer requiring the heating of the sludge. The upgrade should be completed prior to 2025.

The heating of the Municipal Building – specifically the Fire House is the other source of stationary combustion. The Fire House portion of the Municipal building is heated by two oil-fired boilers, emitting 50.11 MT CO₂e. The Village is in the planning process of convert the oil-

fired boilers in the building to electric as well. The upgrade will again make the emissions zero as a result of the Village's source of carbon-free electricity. The upgrade will be completed within 5 years.

Initiatives

The Village of Sherburne has one plug-in hybrid vehicle in its fleet. With 37% of the emissions produced in 2018, by the Village, being from mobile combustion the use of a hybrid vehicle is essential to limit GHG production. The Village has taken the initiative to maintain at least one alternative fuel vehicle in the fleet at any given time. The alternative fuel vehicle will serve as a more efficient mode of transportation to help limit GHG production.

The Village currently has one charging station available for public use. The Village plans on installing a level three charging station behind the Municipal Office to charge Village vehicles, Village employees' personal vehicles, and public vehicles. The installation is planned to be completed in 2021.