**Carbon Footprint of Oldenburg’s Natural Gas Usage**

Key finding: Oldenburg consumed 32,884,900 cubic-feet of natural gas in 2017 and 42,375,600 cubic-feet of natural gas in 2018. **Oldenburg’s natural gas contributed 1,747 metric tons of CO₂ in 2017 and 2,251 metric tons of CO₂ in 2018.** The ClearPath software treats residential and commercial natural gas use separately and gives emissions data separately. See report for those specific data for this sector.

**Carbon Footprint of Oldenburg’s Electricity Usage**

Key finding: Oldenburg consumed 5,505,267 kWh of electricity in 2017. Duke Energy’s calculations determined that this produced **4,992 tons (11,003,278 lbs) of CO₂ or 5,028 tons** **(11,081,079 lbs) of CO₂e.** See report for residential and commercial data for this sector.

**Carbon Footprint of Oldenburg Potable Water**

Key Finding: For 2017, the town of Oldenburg produced a **total of 29 metric tons of CO₂e** through the 16,020,460 gallons of potable water used that year.

**Carbon Footprint of Oldenburg Waste Water Treatment**

Key Finding: Oldenburg’s 2017 waste water treatment plant generated **a total greenhouse gas emissions of 120 metric tons (CO₂e) for the town and its neighbors who use the services of Oldenburg Utilities.**

**Carbon Footprint of Oldenburg Solid Waste Production**

Key Finding: The inventory team estimates that Oldenburg solid waste production generates **713 metric tons of CO2e per year.**

**Carbon Footprint of Oldenburg for Vehicle Travel**

Key Finding: The Vehicle Miles Traveled (VMT) for 2017 was calculated to be 3,537,310 miles. **The CO₂e associated with the VMT was calculated to be 4,145,127 pounds (1,880 metric tons).**

**Summary**

According to calculations by ICLEI’s ClearPath spreadsheet, activities and sources in the town of Oldenburg produced **9517 metric tons of CO2e in 2017.** Dividing this value by the town population of 674 resulted in a value of 14.1 metric tons of CO2e per person that same year. This value compares favorably with the overall United States value of 16.5 metric tons of CO2e per year (data.worldbank.org). One likely reason for the smaller carbon footprint of Oldenburg compared to the overall United States average is the lack of industry and agriculture within town boundaries.

Copied from “GHG Emissions Report” to Oldenburg Town Council, 11.4.2019