

Attachment A - Building Performance Ordinance Detailed Trend Analysis

Figure 1 below shows CO₂e emission (metric tonnes) trends by utility type (electricity, water, and natural gas), summarized from all properties that comply with the BPO from calendar year 2019 through 2024. Emissions from electricity were falling but are now climbing again. Emissions from natural gas spiked in 2023 but fell again in 2024. And total emissions were steadily falling but began to increase again between 2023 and 2024.

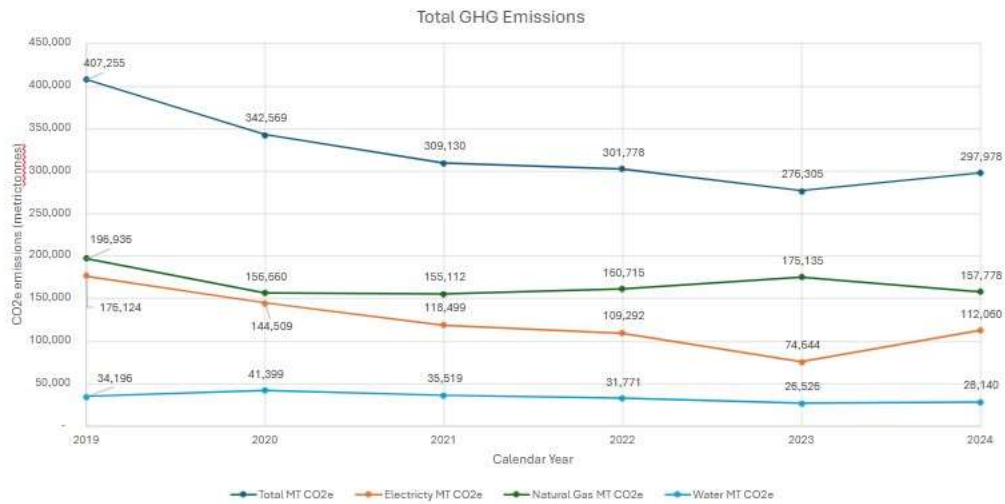


Figure 1

Figure 2 below shows CO₂e emission (metric tonnes) trends by property type (commercial or multi-family), summarized from all properties that comply with the BPO. From calendar year 2019 through 2024. Across both property types we see a decrease in emissions from the start of the ordinance but an uptick beginning again between calendar year 2023 and 2024.

GHG Emissions – All CY



Figure 2

Energy and Water Conservation

Since calendar year 2019, in BPO-covered properties:

- Median total energy use has decreased by 32 percent
- Median electricity use has decreased by 23 percent
- Median natural gas use has decreased by 31 percent
- Median water use has decreased by 25 percent

Figure 3 below shows that median energy, electricity, and natural gas use has decreased overall since 2019, with an uptick for all in 2023. Median natural gas and total energy use dropped again in 2024, while median electricity use increased slightly in 2024.

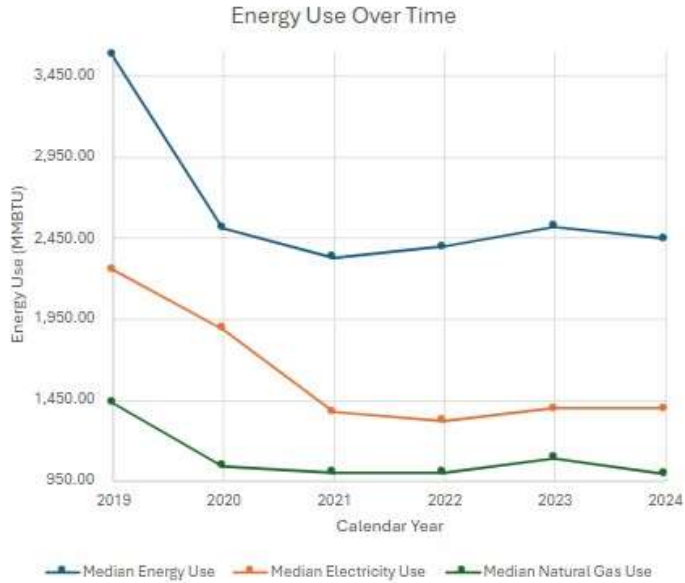


Figure 3

Figure 4 below shows median Energy Star Score (ESS) steadily increasing since 2019. This is a good sign because ESS is an energy efficiency rating system of 1-100 for buildings, with 100 being the most efficient for that property type. The figure also shows median energy use intensity (EUI) (kBtu/sq ft) steadily decreasing but starting to plateau in 2022. Lastly, the figure shows water use intensity (WUI) (gallons/sq ft) decreasing over time but starting to increase again in 2024.



Figure 4

Figure 5 below shows median electricity, natural gas, and water use trends by building property type (commercial or multi-family), summarized from all properties that comply with the BPO. Median electricity use for all buildings at a per building level is on an upward trajectory. Median natural gas use for all buildings at a per building level is on a downward trajectory. Median water use for all buildings at a per building level is on a slight upward trajectory.

Usage – All CY

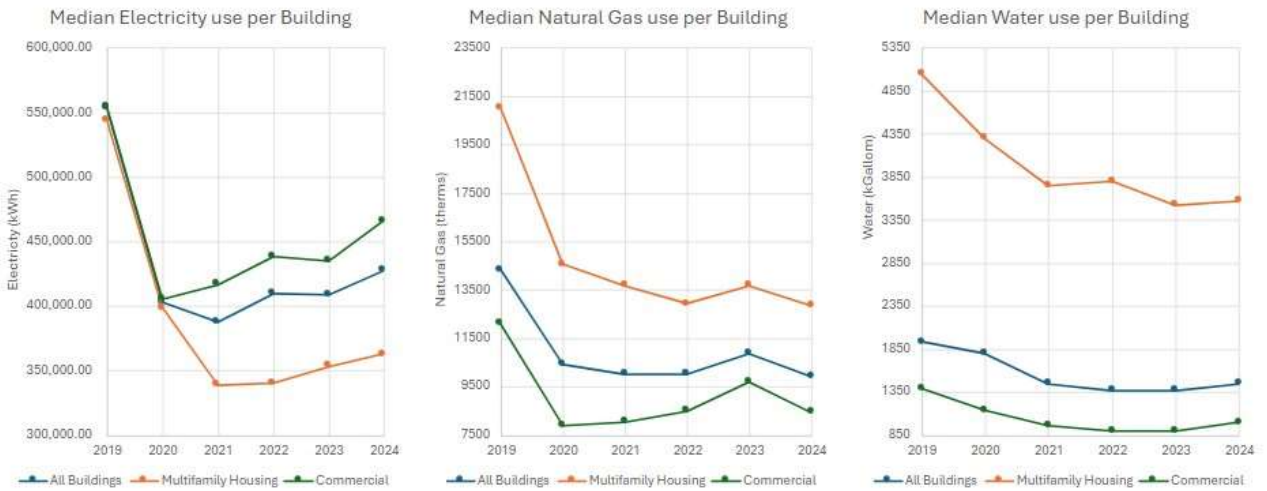


Figure 5