MILTON CLIMATE ACTION PLAN (MCAP)

A roadmap detailing ways to reduce Milton's climate footprint, The Town is developing a Climate Action Plan (CAP) to guide efforts to increase resilience to hazards and mitigate our contribution to climate change and achieve net zero by 2050.

In 2020 the Town of Milton's Municipal Vulnerability Preparedness Program identified drought, flooding, heat waves, and intense storms as the four hazards that have historically impacted the community and are projected to increase in severity to climate change.

This conclusion was reiterated by the Massachusetts Climate Change Assessment, released in Fall 2023, that specifies that damage to electric transmission and distribution infrastructure, freshwater ecosystem degradation, and increase in demand for state and municipal government services as some of the priority impacts across the Commonwealth.

EMISSIONS RECAP

2017 282,031 MTco2e
2022 292,120 MTco2e

In 2022, Transportation (154,330 mtco2e) and Stationary Energy (132,605 mtco2e) were Milton's two biggest emissions sources.

The Business as Usual (BAU) projection shows an increase to 148,928 mtco2e by 2050 for stationary; and 182,472 for transportation.

FOCUS AREAS

ENERGY & BUILDINGS

In 2022, Residential buildings accounted for 69% of GHG emissions stemming from stationary combustion. Commercial buildings accounted for 24%. Fugitive emissions from oil and gas systems accounted for the remaining 7%.

For residential buildings in 2022, combustion of natural gas & diesel were the biggest contributors at 76%. Electricity accounted for 23%, while T&D losses were under 1% of the total 91,077 mtco2e.

Natural gas usage (residential and commercial) contributed 56,761 mtco2e to Town of Milton's emissions profile, equivalent to emissions from an additional 12,347 average passenger vehicles.

TRANSPORTATION & MOBILITY

Transportation is the largest source of emissions for Milton.

Passenger cars (277.7 million miles), light duty trucks(45. million miles) and medium and heavy-duty trucks (24.3 million) traveling within the boundary of Milton accounted for 98% of transportation emissions in 2017 and 2022.

WASTE & WASTEWATER

Waste accounts for 5,3184 tonnes CO2e in 2022.

Major sources include municipal solid waste disposed in landfills, recyclables, solid waste treated biologically, and wastewater.

Households using Black Earth Compost, composted 2,450 lbs of organic waste, while household using Bootstrap composed 126 lbs. Sunrise Scavenger customer composed 89,250 lbs.

CONSERVATION & LAND USE

Town of Milton's current canopy cover of 6,677 acres allows it to sequester 17,078 MT Co2e a year (these GHG emissions are equivalent to 2.07 billion smartphones charged a year.)

In 2022, the existing carbon storage in the Town of Milton was 1.2 million MT Co2e.

If the Town of Milton was to plant all plantable areas, we could add another 7,478 MT Co2e sequestration per year.

GOVERNANCE & LEADERSHIP

Milton has been a Green Community since 2011, and has used Green Communities grants for a number of energy efficiency projects across town.

The Milton Select Board has charged our Climate Action Planning Committee with meeting ambitious climate goals and achieving net zero emissions by 2050

The Town has been awarded designation for our commitments to local sustainability, including being a SolSmart community and Bicycle Friendly Community

The Climate Action Planning Committee is actively designing our plan and is looking for **community participation** in the planning process. Scan to learn more!

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