

FY22 Energy Use Report

Key Takeaways & Look Ahead

Presented October 18, 2022

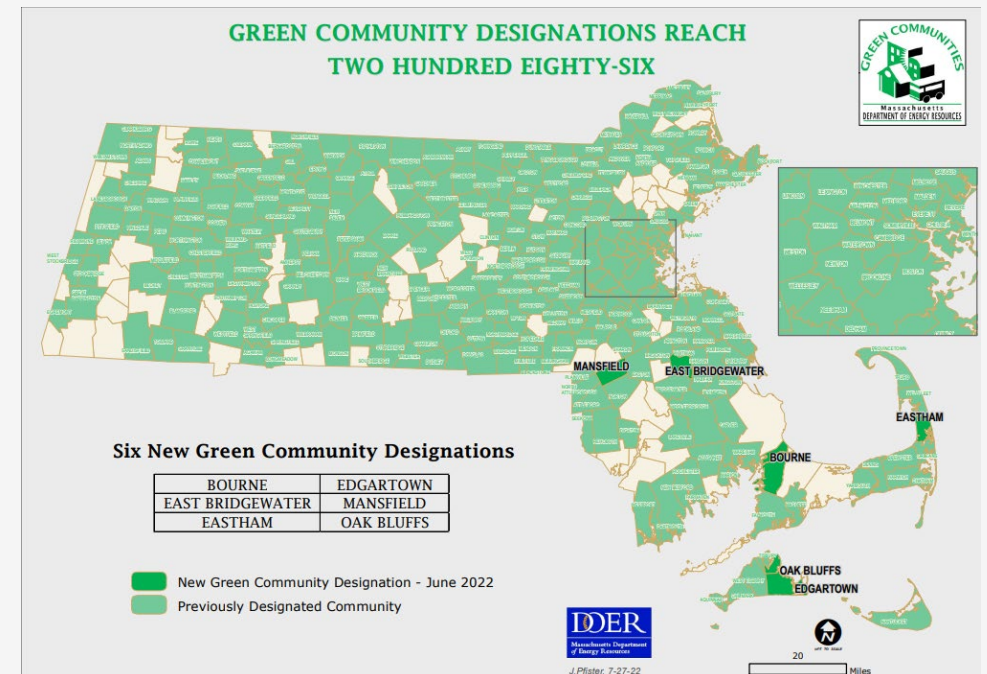
Green Communities Designation

In 2010, Natick became a founding member of the Green Communities program and committed to:

- 1 Allow for as-of-right siting of renewable or alternative energy research and development facilities
- 2 Provide expedited permitting for such facilities
- 3 Reduce the municipality's (including schools) energy use by 20% against our 2008 baseline
- 4 Adopt a Fuel-Efficient Vehicle Policy requiring all municipal departments and divisions to purchase fuel-efficient vehicles, and to develop and maintain a vehicle inventory for all four-wheeled vehicles
- 5 Adopt the Massachusetts' Board of Building Regulations and Standards (BBRS) Stretch Code (780 CMR 115.AA)

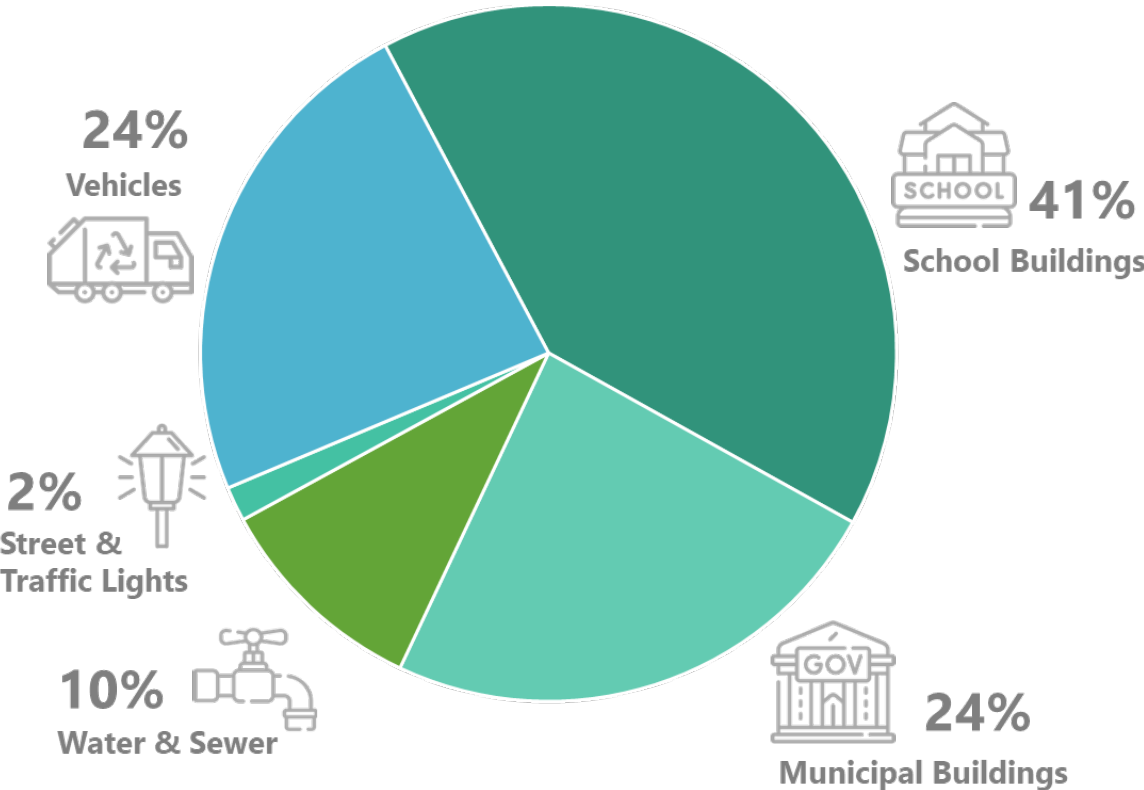
\$2.4M

Amount Natick has received
in Green Communities
grants since 2010

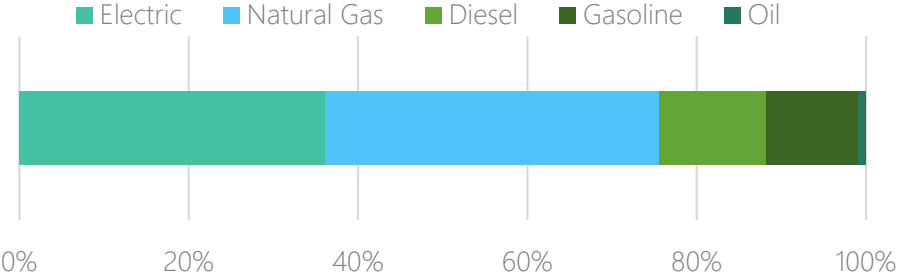


FY22 Energy Usage

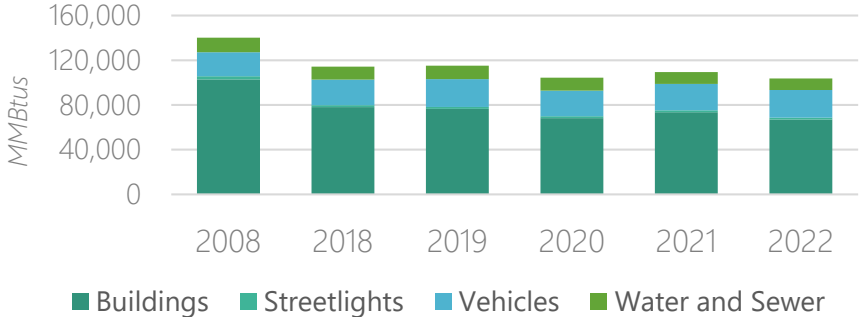
FY22 Energy Use by Category



FY22 Energy Use by Fuel Source



Energy Use Over Time



2022 Points of Pride - *and persistence*



Hybrid is the new standard for passenger and light duty fleet vehicles



First commercial solar + storage system in Natick to go live this fall



Morse Institute HVAC project is no small feat

NHS energy management building commissioning

VFDs and meeting room LEDs at Morse Institute

In-house LED conversions led by Facilities team

Steam trap repairs

Looking Ahead: New State Program & Proposed Policies

Climate Leaders Program

Requirements to Receive Funding

- ✓ Must be an existing Green Community
- ✓ Establish/maintain a local committee to advise, coordinate, and/or lead clean energy and climate activities
- ✓ MVP Community status
- ❖ Commit to municipal decarbonization by 2050 and formulate a roadmap for implementation
- ❑ ZEV-First vehicle policy
- ❑ Specialized Stretch Code Adoption

Zero Emission Vehicle-First Policy

Draft coming in December

- Focus on passenger and light duty
- Right vehicle for the job
- Preferred manufacturer
- Available charging infrastructure

Net Zero Ready New Buildings Policy

Draft coming in January

- All school and municipal buildings
- Maximize on-site renewables
- Fully electric
- Precedents in Ashland, Wellesley, Newton, Needham, Westborough+

Specialized Stretch Code Adoption

Possible for Spring Town Mtg

- Applies only to new construction
- Lowers HERS rating
- Does not require all electric new construction

Municipal Roadmap

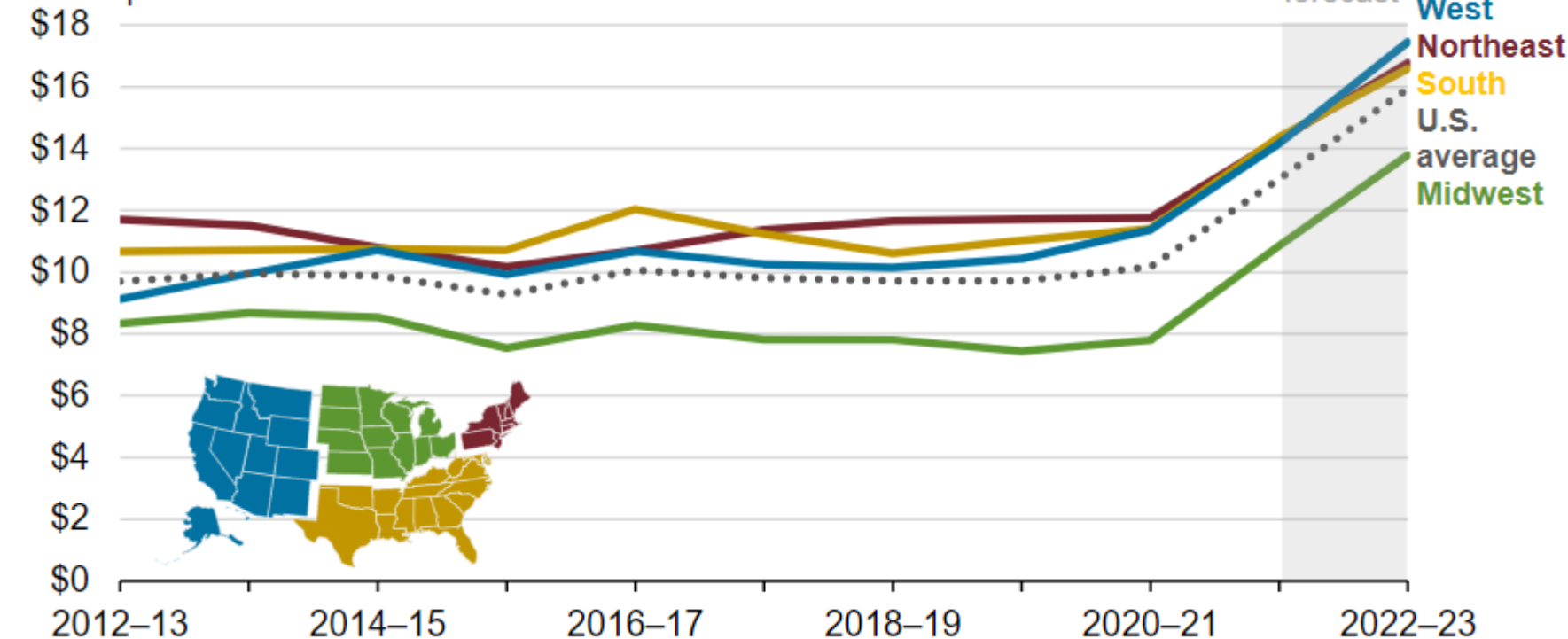
TBD

- Detailed plan specific to the municipality (current plan is community-wide)

Looking Ahead: Natural Gas & Electricity Pricing

Average winter retail price of U.S. natural gas for residential customers by region
(winter = Oct–Mar, 2012–2023)

dollars per thousand cubic feet



Data source: U.S. Energy Information Administration, Short-Term Energy Outlook (STEO), Winter Fuels Outlook

“The highest wholesale electricity prices are likely to be in New England because of possible natural gas pipeline constraints, reduced fuel inventories for power generation, and uncertainty regarding liquefied natural gas shipments given the tight global supply conditions.”

Questions?

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