



EO594 and DCR Net Zero Goals



Eliminate onsite fossil fuels for heating



Electrify entire fleet by 2050



Maximize onsite solar PV

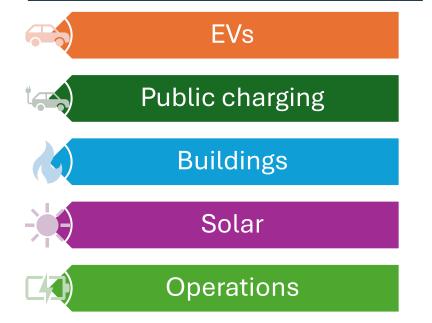


Adopt sustainable landscaping



Enter: The Net Zero Task Force

Interdepartmental team working to implement Net Zero Goals adopted by DCR in April 2022 aimed at eliminating use of onsite fossil fuels from DCR operations





Heating Equipment Inventory and Prioritization

- Engineering staff collected critical heating equipment details (fuel type, age, condition, venting) for 585 pieces of equipment
- Prioritized swap outs based on predetermined criteria:
 - ✓ Major user (highest emissions)
 - ✓ Environment Justice Communities
 - ✓ System age, condition, performance
 - ✓ Building size and use
- 85 buildings prioritized for heating equipment replacement

Collapse Location Summary

Golf Course Clubhouse

190 Park Road

Weston

View More Building Details

This building record is missing seasonality & insulation details.

Add Seasonality & Insulation

See More Site Details

EQUIPMENT RECORD

Retire Equipment & Enter Replacement

Name: BOILER





ASHP Installation

- "Easy" sites
 - Simple ASHP design based on building and existing HVAC size
 - Equipment installed by in-house technicians
- "Complicated" sites
 - Evaluate heat pump size, layout, upgrades needed
 - Cultural & environmental review
 - ASHPs installs done in-house or with contractors, depending on size, configuration, etc

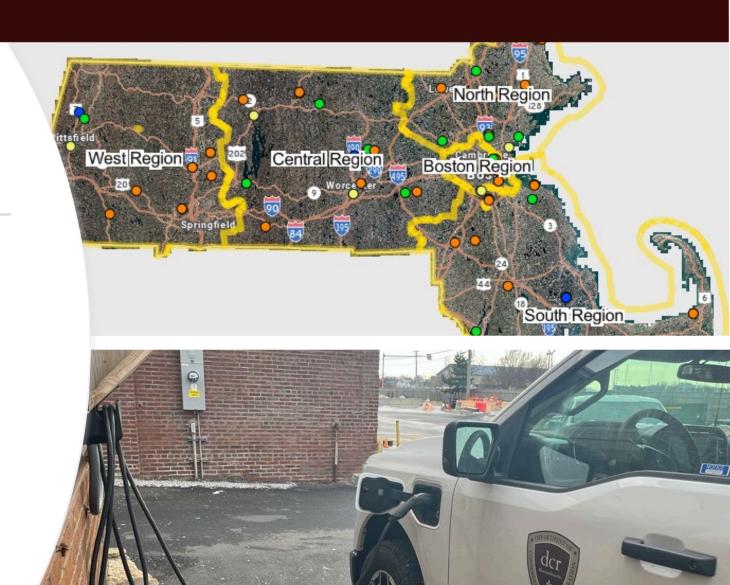
Result: 34 ASHPs installed, 40 additional site evaluations completed





Fleet Electrification

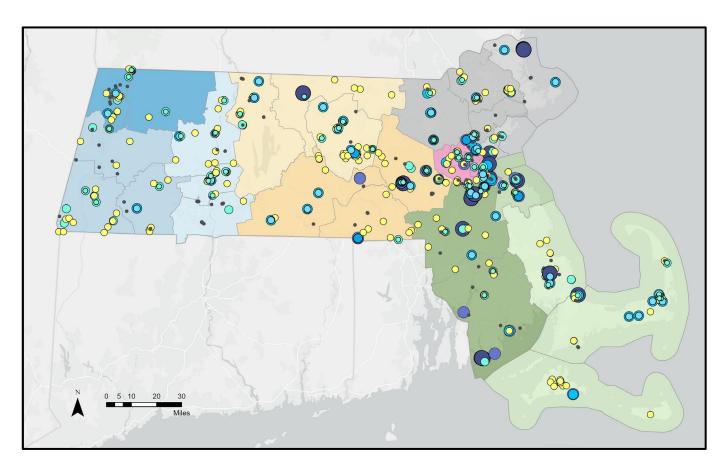
- 'Glidepath' plan outlines strategy for DCR to achieve targets of EO594 (FY25: 5% EVs; FY30: 20% EVs)
- Plan considers vehicle age, use-case, and availability of electric models
- Plan is updated regularly to account for real-time changes in fleet
- Charging stations deployed each year, prioritizing high-density garage locations





Public EV Charging

- DCR developing strategic plan for public level 2 charging stations
- Locations prioritized based on:
 - Large lots
 - Cellular connectivity
 - Proximity to amenities
 - Year-round access
 - Avoid environmental/historic sensitivities
 - Geographic diversity
 - CFI grant requirements
- Targeting installs of first stations in FY27





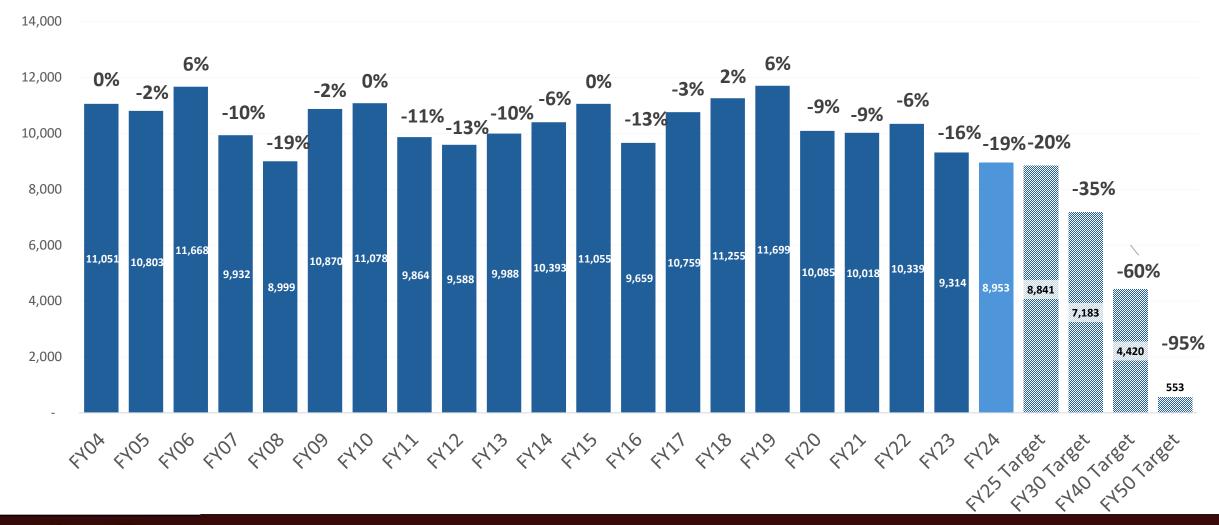
dCT Massachusetts



DCR's Emissions Progress

Emissions Reduction from Onsite Fossil Fuels

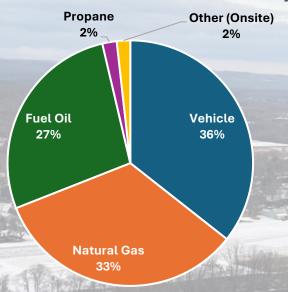
FY04-FY24 DCR Onsite Fossil Fuel Emissions



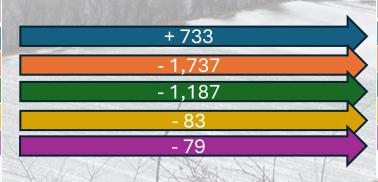


FY04 vs FY24 Onsite Fossil Fuel Emissions

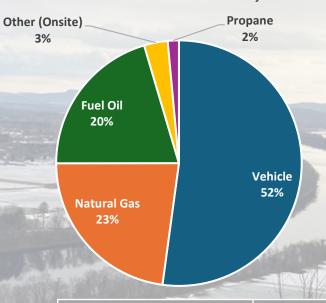
FY04 Onsite Fossil Fuel Emissions by Type



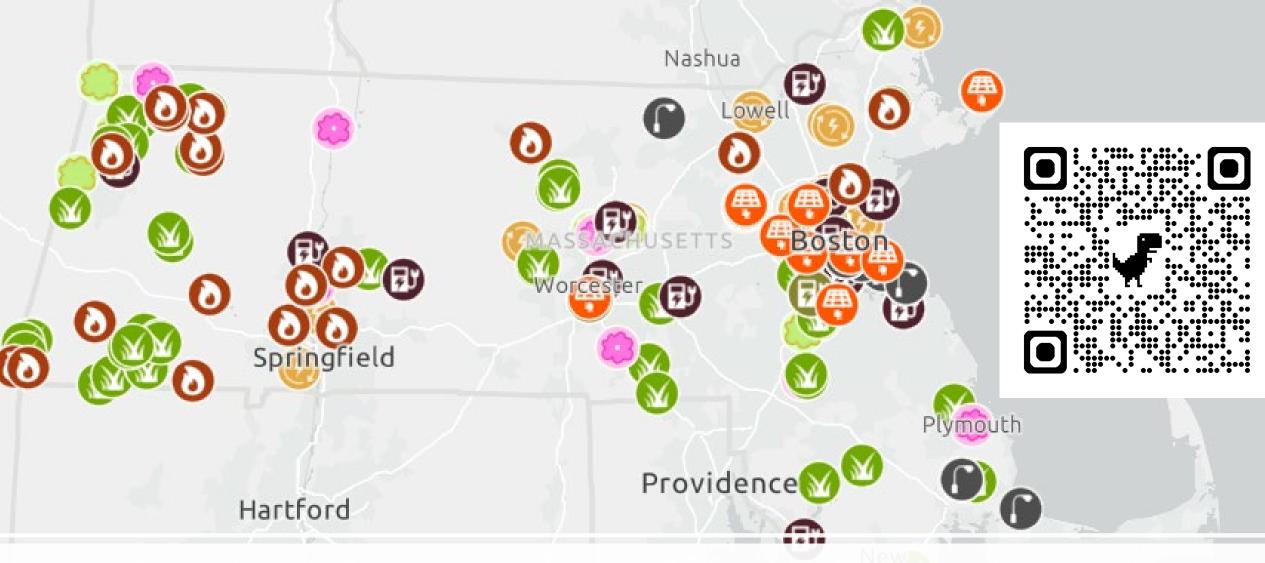
Onsite FF	FY04
Emissions by Type	MTCO2e
Vehicle	3,936
Natural Gas	3,693
Fuel Oil	3,017
Other Diesel (Onsite)	196
Propane	210
Total	11,051



FY24 Onsite FF Emissions by Fuel Type



Onsite FF	FY24
Emissions by Type	MTCO2e
Vehicle	4,669
Natural Gas	2,044
Fuel Oil	1,830
Other Diesel (Onsite)	279
Propane	131
Total	8,953



Stay Informed with the Decarbonization Dashboard!