



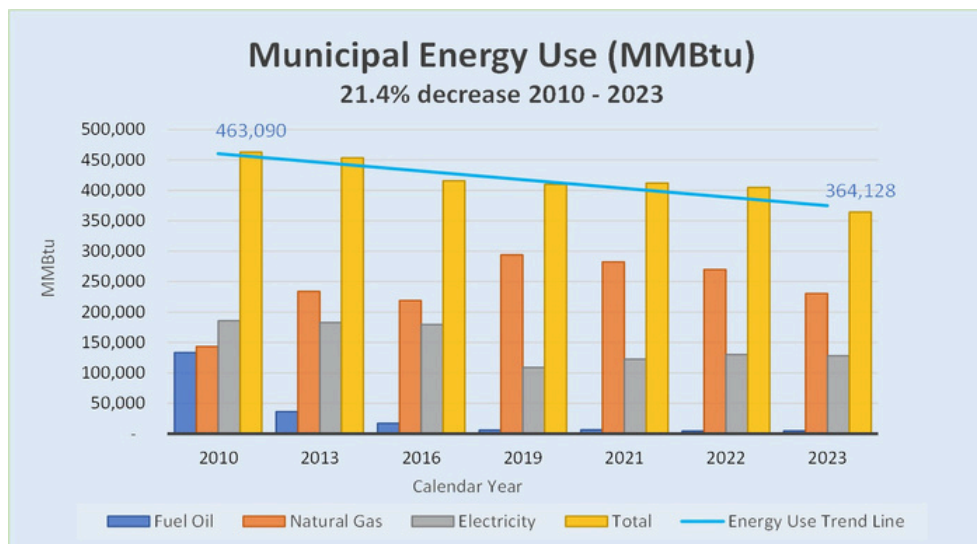
MAYOR BRETT P. SMILEY
CITY OF PROVIDENCE

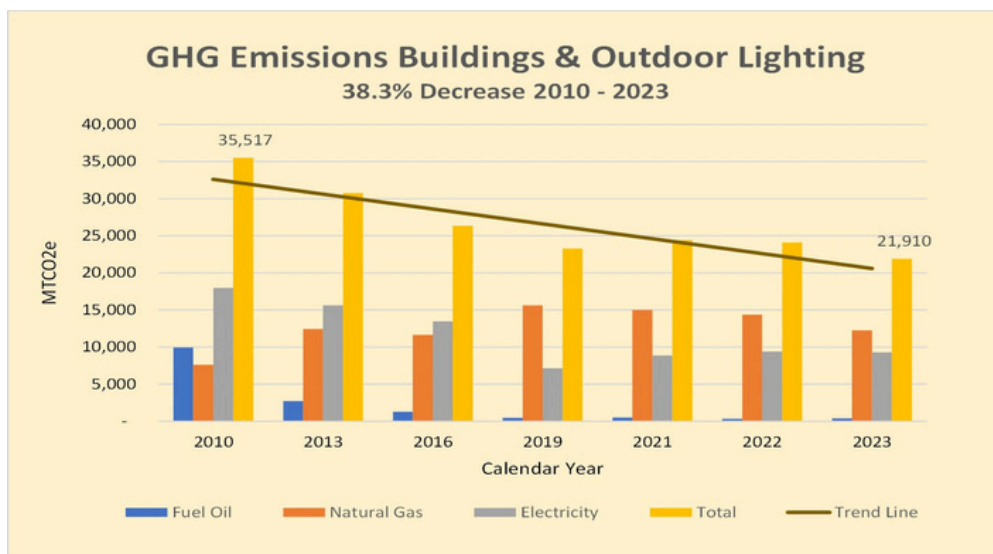
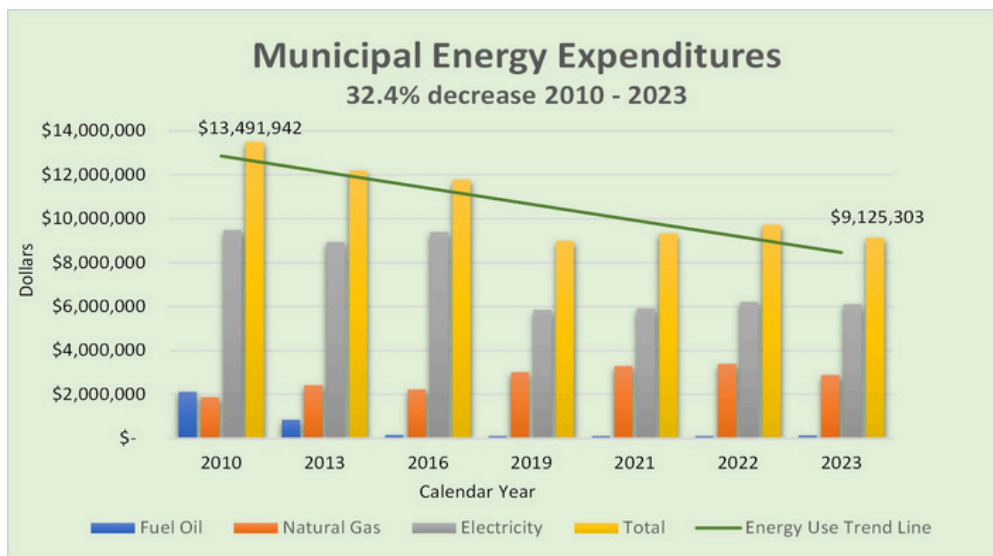
City of Providence 2023 Municipal Energy Executive Summary Report

The Providence Municipal Energy Report discloses the City's building and outdoor lighting energy use to track progress towards the many local, state, and federal energy and carbon reduction goals for which the City reports. While the 2014 Sustainable Providence Plan set a goal to reduce energy consumption 30 percent by 2030, the mandatory goals of Rhode Island's Act on Climate, the City's building energy reporting ordinance (BERO), and those goals outlined in the City's Climate Justice Plan, have during 2023 expanded the data tracking needs of the City. To that end, the Department of Sustainability has spent 2023 growing its network of industry allies and expanding its data tracking tools to ensure Providence can meet its current and future savings goals for energy, cost, and carbon. The progress made is the result of a whole government approach with the Mayor's leadership and partnership across multiple Departments including Sustainability, Public Property, Parks, Recreation, and Providence Public School District.

2023 Achievements

- **Energy Savings** – As measured against a 2010 baseline year, Providence has reduced its total municipal energy consumption by 21%. These savings have come from a wide variety of energy efficiency upgrades – mostly LED lighting - milder heating seasons, and from the use of more efficient fuels.
- **Cost Savings** - As measured against a 2010 baseline year, Providence has reduced its energy expenditures by 32%. Three primary factors have contributed to this reduction: reduced energy use, the switch from expensive fuel oil to less expensive natural gas, and better energy supply procurement strategies.
- **Carbon Savings** - As measured against a 2010 baseline year, Providence has reduced its municipal greenhouse gas (GHG) emissions by 38%. For the City's part, the reduction in energy use and the move away from fuel oil are the primary contributors. Outside of its control, ISO New England has reduced electric grid emissions by 25% over the same period.





Energy Management Highlights

- Sustainability stood up a new energy management information software system, Energy Intelligence Suite (EIS) to streamline data tracking, bill payment and to help identify energy & cost savings.
- Providence joined U.S. DOE's Better Buildings Challenge & Better Carbon Challenge programs and has received technical assistance and national recognition for its energy efficiency and decarbonization efforts.
- Providence Public Schools District (PPSD) completed the electrification of the D'Abate and Spaziano elementary schools, and a full renovation of Narducci.
- A \$400K LED lighting retrofit at 444 Westminster was nominated for a Rhode Island OER Lead by Example Clean Energy Award.
- Providence received a \$1.1 M award from the Rhode Island Infrastructure Bank Efficient Building Fund to help finance the electrification efforts at 5 recreation centers: Joslin, Davey Lopes, Zuccolo, West End, and Vincent Brown.
- RI Energy and the City began negotiating a 3-year strategic energy management partnership (SEMP). The partnership features \$500K in enhanced incentives to help Providence meet its energy efficiency and decarbonization goals.

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