

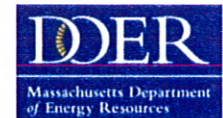
Green Communities Designation and Grant Program – Hanover

Hanover - \$148,598

1. Incremental Cost Increase to purchase a Chevrolet Tahoe Hybrid Police Department vehicle – Cost increase to purchase a hybrid vehicle, total vehicle cost was \$57,438, amount GC Grant paid = \$24,600.
2. Replace Steam Traps at Sylvester and Salmond Schools – Installation of new steam traps in school heating systems to improve system efficiency, \$20,000.
3. Replace Town Hall Boiler – Upgrade to more efficient boiler at Town Hall, \$30,000.
4. Replace Fire Station HQ Doors – Install new energy efficient rollup doors for fire engine bays at FD, \$40,000.



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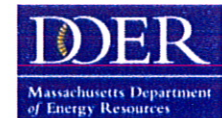
Green Communities Designation and Grant Program – Kingston

Kingston – \$163,528

1. Kingston Library - GC Grant = \$47,920, NStar Incentives = \$11,077.
 - i. Installation of a new High Efficiency Condensing Boiler
 - ii. Installation of CO2 sensors and motion sensors for fresh air controls/demand control ventilation
 - iii. Installation of a new Honeywell HVAC Control System and Reprogram existing HVAC Units
2. Kingston Elementary School - GC Grant = \$67,376, NStar Incentives = \$74,449.
 - i. Installation of Kitchen Hood Exhaust Controls
 - ii. Energy Management System (EMS) Upgrade and Re-Commissioning
 - iii. Installation of CO2 sensors and motion sensors for fresh air controls/demand control ventilation
 - iv. Day Lighting Controls
3. Smith Lane Fire Station- GC Grant = \$42,488, NStar Incentives = \$5,294.
 - i. Installation of a new High Efficiency Condensing Boiler
 - ii. Installation of a new High Efficiency 3 Ton AC Unit
 - iii. Lighting and ballast replacements



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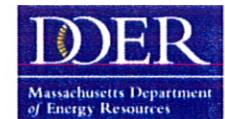
Green Communities Designation and Grant Program – Easton

Easton - \$168,829

1. Replace Town Office Boiler – Upgrade to 94% thermal efficient gas fired unit, \$66,200. Payback = 9 years.
2. Replace Police/Fire Station Roof Top Heating/Cooling Unit – Upgrade to new high efficiency unit with high EER rating and exhaust air energy reclaim system, \$85,000. Payback = 5 years.
3. Replace Water Division Garage Heaters – High efficiency infra-red units, \$4,749. Payback = 1 year.
4. Middle School Energy Efficient Parking Lot Lights – Middle School parking lot, \$3,500. Payback = 1 year.
5. High School Gym Lighting Upgrade – High efficiency lighting installed in High School Gym, \$8,500. Payback = 2 years.



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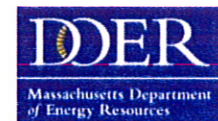
MUNICIPAL ENERGY EFFICIENCY

- **Municipal Energy Efficiency** - A major focus of the Green Communities Division is collaborating with municipalities by coordinating energy assessments with utilities, identifying energy efficiency resources and opportunities and evaluating the benefits of implementing energy conservation measures.
- **Cape Light Compact** – Audits/Rebates/Incentives
- **Three Year Energy Efficiency Plans**
 1. Investor owned electric and gas utilities (IOU) are required to provide all available energy efficiency (EE) and demand reduction resources that cost less than new energy supply.
 2. Utilities will provide more robust rebates, incentives and programs to meet their goals.
 3. Plans – IOUs to invest \$2.2 billion in EE measures over 3 yrs.



For more information contact: Aimee Powelka
Aimee.Powelka@state.ma.us or (617) 626-7356

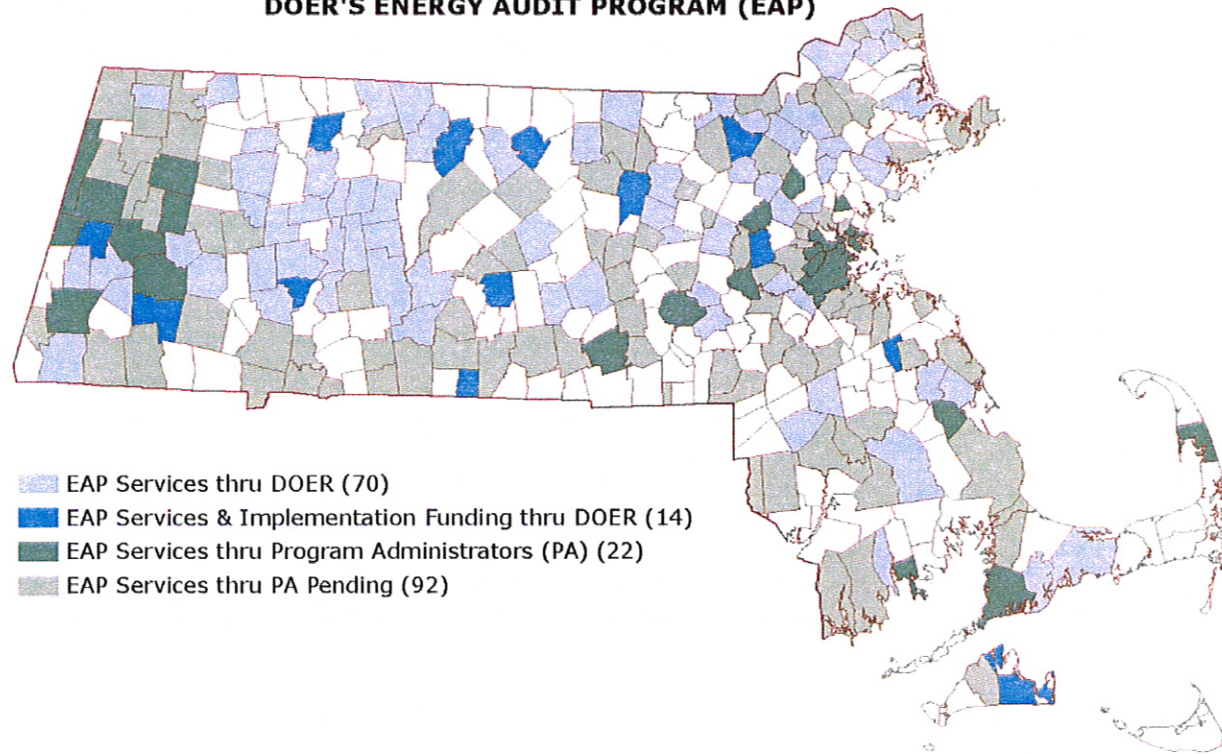
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Municipal Energy Efficiency - EAP

Helping municipalities, school districts, water and waste water districts identify and implement energy efficiency measures

**MUNICIPALITIES PARTICIPATING IN
DOER'S ENERGY AUDIT PROGRAM (EAP)**



- EAP Services thru DOER (70)
- EAP Services & Implementation Funding thru DOER (14)
- EAP Services thru Program Administrators (PA) (22)
- EAP Services thru PA Pending (92)



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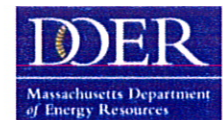
Energy Management Services Assistance – MGL c25A sections 11C and 11i

- Also known as Energy Savings Performance Contracting
- Provide a guide, model RFR/RFQ and model contract documents
- Review bid documents & contracts
- Educate and guide communities through the process

Contact: Eileen McHugh at eileen.mchugh@state.ma.us,
617-626-7305



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MassEnergyInsight

● ● ● ● ● POWERING EFFICIENCY

- **FREE** online tool for MA cities, towns, RSD & WTP

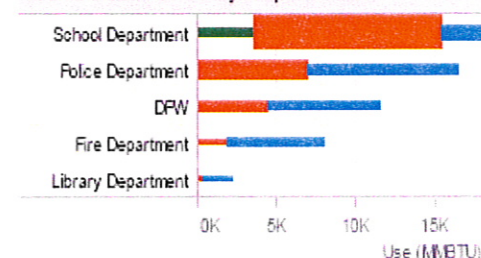
- Provides:

- Automated electronic download of utility data
- All energy costs and accounts in one place
- Standard and custom reporting

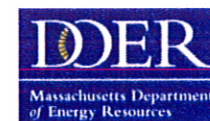
- One tool to do it all:

- **Benchmark:** track energy use by town, department or building
- **Identify:** least efficient buildings for efficiency action
- **Measure and verify:** energy use trends by building over time

Use and Emissions by Department



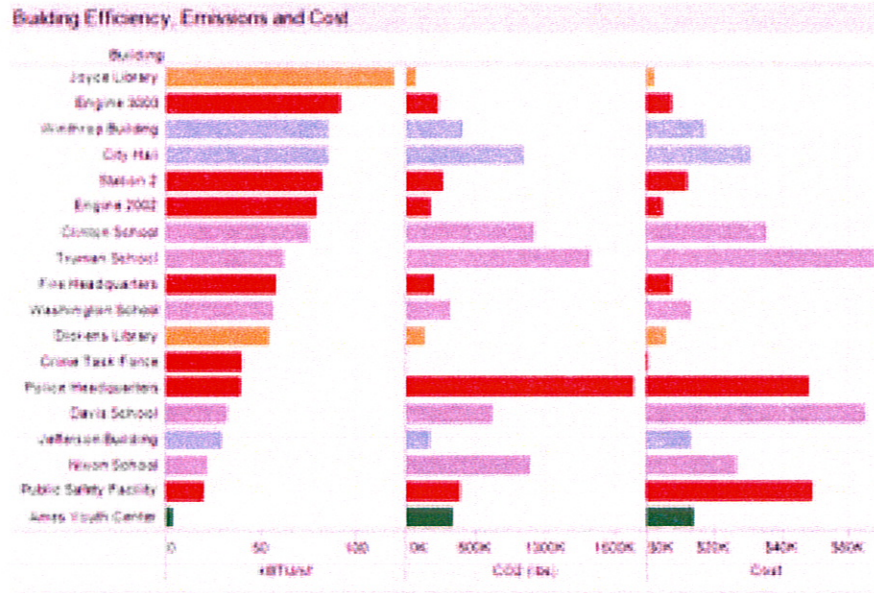
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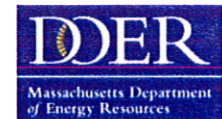
MassEnergyInsight

● ● ● ● ● POWERING EFFICIENCY

To date more than 425 individuals in more than 200 towns trained to use MassEnergyInsight to benchmark and monitor ongoing energy use, costs, and emissions



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Green Communities Contacts

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- Website: <http://www.mass.gov/eea/energy-utilities-clean-tech/green-communities/>



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