

Review of NH Municipal Energy Efficiency Programs

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EnergySmart Schools Program - Services

- Energy Benchmarking service provided at no cost to NH public & private K-12 schools
- EPA Portfolio Manager is benchmarking platform, with additional metrics added
- Benchmarking Report provides:
 - » Individual building reports with EPA scores and comparative statistics to NH schools
 - » District-level summary
 - » Information and References for taking action

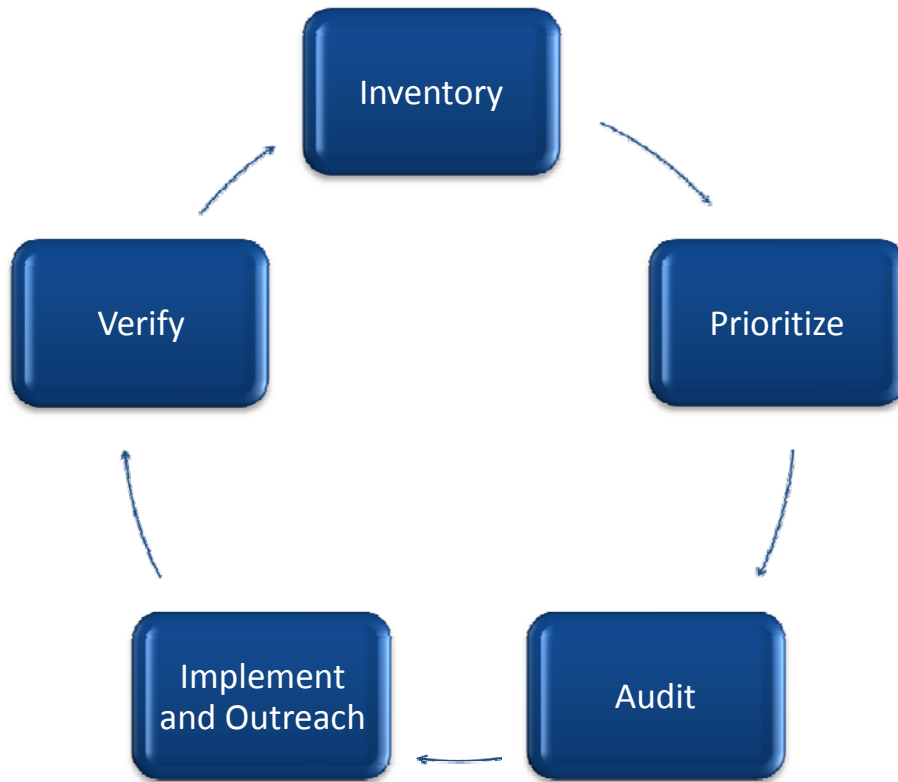


EnergySmart Schools Program - Status

- 62 schools benchmarked
- 20 participating school districts (17 public, 3 private)
- 18 Potential ENERGY STAR Schools
- 3.5 Million square feet of conditioned space
- 21 Million kWh of annual electric use
- 172,000 MMBTU of annual fuel use
- Potential savings of 20% (4,300 MT of CO₂)
- www.nhschoolbenchmarking.com



Develop a ROADMAP for Your Community



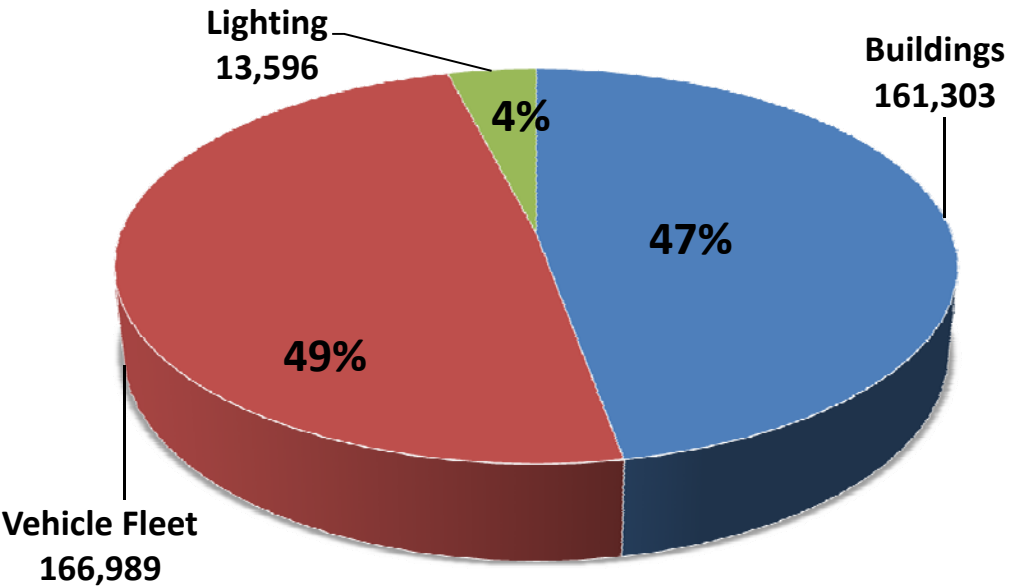
Municipalities

Albany, Alstead, Barrington, Berlin, Canterbury, Chesterfield, Cornish, Danbury, Danville, Dunbarton, Enfield, Fremont, Grafton, Hopkinton, Hollis, Kingston, Laconia, Lancaster, Lebanon, Lee, Littleton, Marlborough, Newfields, New London, Northumberland, Peterborough, Sanbornton, Sandwich, Sullivan, Washington, Weare, Westmoreland, Barnstead, Bedford, Dorchester, Exeter, Franconia, Gilmanton, Goffstown, Gorham, New Castle, New Ipswich, Pittsfield, Rye, Springfield, Stratham, Tuftonboro, Thornton and Keene

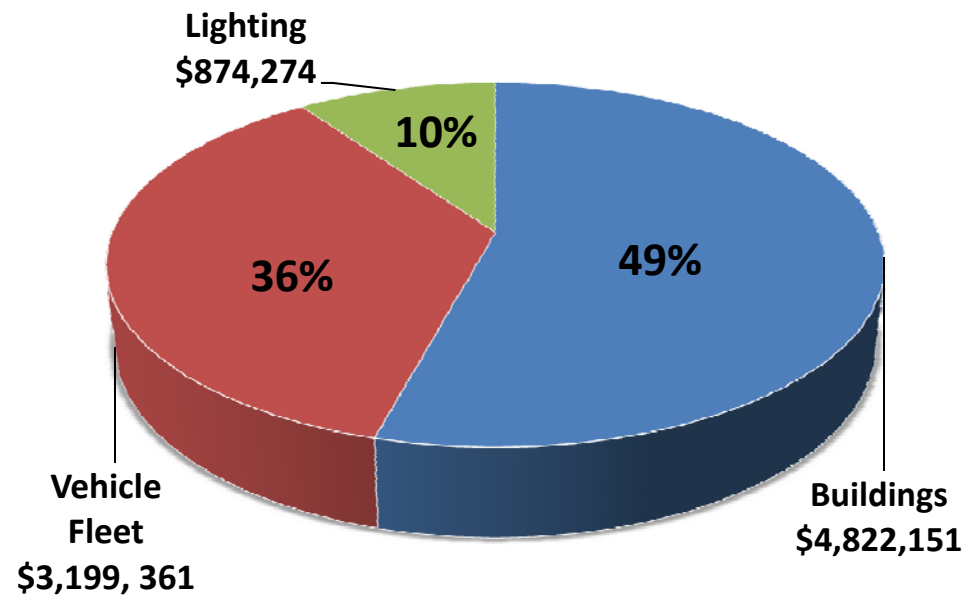
- 399 buildings
- 2.2 million square feet
- 1128 vehicles
- 341,888 MMBtus of energy use

Total Energy Use in 47 MEAP Municipalities (MMBtu)

NH Municipal Energy Assistance Program MEAP STATUS



Total Energy Costs in 47 MEAP Municipalities



- 100% Inventory Report and Presentation
- 80% Land Use Audit
- 70% Building Audit



- Target: all NH counties and municipalities
- Objectives
 - » Identify local interests and opportunities
 - » Help communities implement projects
- Team
 - » CLF Ventures – Management, marketing, outreach
 - » Peregrine Energy Group, Inc. – inventories, roadmaps and a la carte technical assistance
 - » All NH RPCs – Outreach, community support, master plans
 - » Clean Air-Cool Planet – sharing MEAP information

- Engagement Process



- Services Offered

- » Building assessments, project identification, bid document development, proposal reviews, operations changes [PEG]
- » Master plans, regulatory audits, CIP development [RPCs]
- » Energy efficiency program development [CLFV]

- Community Activity to Date (since June, 2010)

- » 75 engaged, including all 9 counties
- » 35 in various stages of service delivery

Program Integration

- Focus on communication among the programs
- MEAP & ETAP are complementary to EnergySmart Schools – participants are referenced to other programs
- The three programs are aware of the work others are doing and refer municipal officials when appropriate
- MEAP and ETAP programs are formally engaged to share information on energy inventories to ensure there is no duplication of effort with cities and towns

Observations - 1

- There is significant unmet demand and great interest and opportunity in doing EE work with municipalities and schools
- High majority of towns likely will not take action without a hands-on, face to face engagement
- The NH RPC's can be excellent conduits for assisting municipalities with EE information and program outreach

Observations - 2

- Local knowledge of the municipalities is critical to success
- Towns are at different stages of readiness and have different priorities, so service needs to be flexible
- There is a great opportunity for information sharing among municipalities and schools
 - » Municipality and school officials are motivated by examples and success stories from their peers
 - » A lack of technical information at the local level makes this critical to success
- Waste oil: used prevalently and concern for emissions and regulation

Next Steps - 1

- Continue to develop RPC capacity
- Information Sharing
 - » Create a searchable “social database” for use by municipalities
 - » Develop an on-going strategy for municipalities to monitor and model energy usage
 - » Institutionalize the energy monitoring process
- LECs
 - » Continue the education of LECs through programs
 - » Encourage regional LECs for smaller communities

Next Steps - 2

- Develop follow-on services for schools
 - » Process for identifying and developing resources for implementation
 - » Work with LECs and Dept. of Education on bridging work of municipalities and SAUs
- Financing
 - » Integrate information on financing for EE projects
 - » Integrate utility programs with other funding