Overcoming Inertia:
The Road to Energy Efficiency and Renewable Energy
Energy Use Reduction
Getting started—where to start
Where to start...

...Start with a plan
Audits—types, costs, what to expect

**Level 1 audit**
(Scoping audit) is a simple walkthrough to identify opportunities and may cost a few hundred dollars or may be available at no charge from your local Utility.

**Level 2 audit**
(Decision grade) is a more detailed analysis including preliminary financial analysis of costs and savings and may cost up to a few thousand dollars.

**Level 3 audit**
(Investment grade) is a detailed analysis of capital intensive opportunities including long term data collection, computer modeling, and bid-level cost estimating and may cost up to tens of thousand dollars.
Identifying Opportunities:
Lighting Opportunities:

Before

After
Weatherization Opportunities:
Heating and Cooling Opportunities:

- Mini-Split Heat Pumps:
- Heat Pump Water Heaters:
- Condensing Boilers
Other Opportunities:

- Motors/ECM’s
  - Refrigeration Equipment
  - HVAC Systems
  - Pumps
- VFD’s
  - Air handlers
  - Manufacturing
  - Pumps
- Compressed Air
  - Process equipment
Renewable Energy:
Getting the job prepared

- Turnkey/Design build approach
- Performance Contracting
- Bid approach

Contact your Utility Rep!!
Funding Sources:

Database of State Incentives for Renewables & Efficiency
http://www.dsireusa.org/

- Provides information on available rebates, grants, and financing
- Due to volume of information, tends to have some outdated information
- Be careful on spelling of URL
Funding Sources:

US Department of Agriculture (USDA)
http://www.rd.usda.gov/programs-services

NH Community Development Finance Authority –
http://www.nhcdfa.org/energy

NH Public Utilities Commission – Renewables
www.puc.nh.gov

NHSaves–NH electric and Gas Utilities
http://www.nhsaves.com/

Tax Incentives
Commercial Building Tax Deduction (CBTD)
https://www.irs.gov/
Leverage Your Utilities Resources

- **Project Identification**
  - Assist you with project selection, development, and financial analysis

- **Project Review**
  - We can help you review proposals to ensure you will get the energy savings that is being claimed

- **Financial Incentives**
  - Reduces up front project cost, often substantially

- **Financing available**

- **Energy Audits**
  - Comprehensive vs Targeted
  - Contractor Proposals vs Engineered Audits
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<thead>
<tr>
<th>Utility</th>
<th>Phone</th>
<th>Website</th>
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<tbody>
<tr>
<td>Eversource</td>
<td>(866) 554–6025</td>
<td><a href="http://www.eversource.com">www.eversource.com</a></td>
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<tr>
<td>Liberty</td>
<td>(603) 595–2304</td>
<td><a href="http://www.libertyutilities.com">www.libertyutilities.com</a></td>
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<td>NHEC</td>
<td>(800) 698–2007</td>
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<td>Unitil</td>
<td>(603) 294–5121</td>
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[www.nhsaves.com/save-work](www.nhsaves.com/save-work)
Upcoming Webinars:

- June 15
  LED Lighting technology

- June 22
  ASHP/HVAC/Weatherization

- June 29
  Solar Photo Voltaic
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