

NHACC
37st Annual Meeting
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Basics on Energy Committees:

- www.nhenergy.org – Handbook (Main Page under ‘Welcome’).
- Today’s presentation – Left margin “Current Events”.

Steps for Conducting an Energy Audit:

1. Getting Started: Baseline Information When Benchmarking Your Facility

- Where there is a will... there is reduced energy costs!
- Gather at least one years worth of energy bills
 - This includes both electricity and heating bills (if they are separate)
 - This also includes what type of fuel is used for the heating system
- Find out the buildings square footage (sq/ft), as well as roughly how much of the building is receiving heat
- Determine how many hours in the week the building is operating for and the average number of occupants during that time

2. Conducting a Benchmarking Analysis: Useful Programs

- EPA – Portfolio Manager
 - http://www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfoliomanager
 - Additionally, the EPA’s Community Energy Challenge will ask that you use this tool to if your community wishes to participate in that program
 - <http://www.epa.gov/ne/eco/energy/energy-challenge.html>
- Oak Ridge National Laboratory (ORNL) - Benchmarking Building Energy Performance
 - <http://eber.ed.ornl.gov/benchmark/homepage.htm>

3. Conducting a Pre-Feasibility Analysis: Useful Programs

- RETScreen International
 - <http://www.retscreen.net/ang/home.php>
- EPA Combined Heat and Power (CHP) Partnership
 - <http://www.epa.gov/chp/>
 - CHP Emissions Calculator
 - <http://www.epa.gov/chp/basic/calculator.html>

Carbon Calculator:

EPA – Personal Carbon Emissions Calculator http://www.epa.gov/climatechange/emissions/ind_calculator.html

Home Energy Saver:

DOE - Calculating the Implementation of Energy Efficiency Measures

<http://hes.lbl.gov/>

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