

The **Consumer Energy Resources Pavilion** is sponsored by: BuildGreen NH, a council of the Homebuilders and Remodelers Association of NH and is a collaborative effort of:



buildgreennh.com



nh.gov/oep

MyEnergyPlan[™]

myenergyplan.net



Cooperative Extension

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lrcc.edu

Special thanks to:

Epoch Homes, NHHFA, Preferred Building Systems and PSNH

This collaborative project is coordinated by the EESE Board Outreach and Education Committee and is powered in part by: RGGI- Regional Greenhouse Gas Initiative
Lowering bills. Conserving energy. Creating jobs.

Consumer Energy



RESOURCES



hbranh.com



nhsea.org



cleanair-coolplanet.org



extension.unh.edu/energy



manchestercommunitycollege.edu

Finding the right shade of green.

Today's home buyers want to cut their energy bills and live in healthier homes. The NAHB National Green Building Program has a flexible green rating system to fit their budgets. For green home building that's workable, authentic and affordable, go to NAHBGreen.org.

Build Green NH is a council of the Home Builders & Remodelers Association of New Hampshire

"Building New Hampshire's Future"

The Housing Center
119 Airport Rd
Concord, New Hampshire 03301

603-228-0351 • info@hbgnh.com • www.hbgnh.com

www.buildgreennh.com



Organized by
Clean Air - Cool Planet,
in partnership with the
Local Energy Committee Working Group

- Better Buildings NH Program
- Build Green NH/Home Builders and Remodelers Assoc. of NH
- Carbon Solutions NE, UNH
- Clean Air - Cool Planet
- Climate Counts
- Jordan Institute
- Lakes Region Community College
- LightTec, Inc.
- Nashua Regional Planning Commission
- NE Grassroots Env. Fund
- NH Dept. of Env. Services
- NH Div. of Economic Development
- NH Local Government Center
- NH Office of Energy and Planning
- NH Sustainable Energy Assoc.
- Northern Forest Center
- Plymouth Area Renewable Energy Initiative
- Revolution Energy, LLC
- Rockingham Planning Commission
- US EPA, Region 1
- Upper Valley Lake Sunapee Regional Planning Commission

Third Annual Local Energy Solutions Conference
Merrimack Valley High School | Penacook NH
April 2nd | 8am - 4:30pm

A one-day conference for local energy committees, municipal and school staff/volunteers, facility managers, citizens, legislators, and energy-related businesses.

Maximize your Energy Projects

Learn About

- Ways to finance your energy projects
- Best practices and examples of energy projects
- How to measure municipal and school energy use
- Basics of energy technologies and practices
- Elements of energy planning
- Maximizing energy committee effectiveness

Network with Your Peers.

Visit Our Diverse Exhibitors.

REGISTRATION REQUIRED - lunch included
www.cleanair-coolplanet.org/les2011/

Lynn at lsullivan@cleanair-coolplanet.org or (603) 570-7501

A Special Thanks to our Inaugural Sponsors

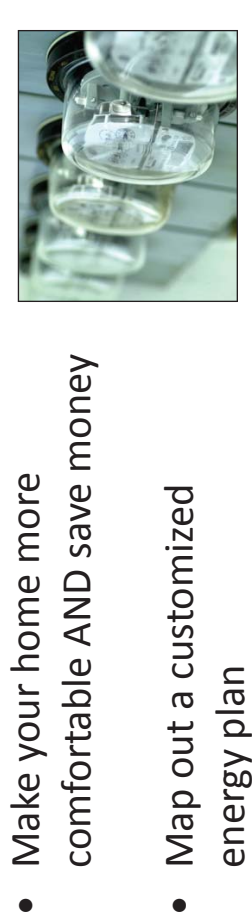




Everyone needs a plan.

Create yours at MYENERGYPLAN.NET

FREE web tools and community resources to help you **reduce YOUR energy costs**



- Make your home more comfortable AND save money
- Map out a customized energy plan
- Find financial tools and energy professionals
- Locate energy events, work- shops and resources



MYENERGYPLAN.NET



Put our tools to work for **YOU!**

My Energy Plan™ is a collaborative effort of



My Energy Plan™ is made possible by the New Hampshire Public Utilities Commission through the Greenhouse Gas Emissions Reduction Fund.



Special thanks to

for their ongoing support of the New England Carbon Challenge.

Ideas for Saving Energy (and money!) at Home.

Heating and Cooling

The majority of household greenhouse gas emissions come from the energy we use to heat and cool our homes.

- Make sure your furnace and hot water heater are in good repair
- Replace older heating systems with more efficient, modern options
- Insulate, weather-strip, replace old single-paneled windows, etc.
- A new digital, programmable thermostat is a low-cost way to save energy and emissions
- Lowering the set point on your thermostat by a few degrees can have a big effect (and you probably won't notice)
- Plant shade trees to lower air-conditioning demand

For more ways to save, visit: myenergyplan.net

Energy Answers helps you find answers to questions like these:



I'm so confused about the new energy-efficient light bulbs. Can you help me make sense of the choices?



I've been told to check for "phantom loads" and "energy vampires." What do those terms mean, and how can I take action against them?



Can you direct me to a list of home insulation contractors and also some advice for hiring the most reputable and reliable.



I've been told to get a home energy audit before I invest in any major energy upgrades to my home. What's that, and why would I need one?



Are there any rebates or tax incentives for installing new energy-efficient windows in my home?

To Learn More, visit: extension.unh.edu/energy



The NH Office of Energy and Planning serves the public by providing up to date information on fuel costs and trends, and represents the state on a variety of energy issues and policies. OEP also has a number of grants and rebates that may be of interest to New Hampshire residents.



Residential Programs

Low-Income Weatherization Assistance Program: OEP contracts with the state's six Community Action Agencies throughout the state to provide energy improvements to low income homes.

Low-Income Housing Energy Assistance: OEP provides subsidies to eligible households to help offset high winter fuel prices; application is made through the Community Action Agencies.

Wood Pellet System Rebate Program: With Recovery Act funds, OEP and the Public Utilities Commission (PUC) are providing rebates up to \$6,000 to residents who install high efficiency, bulk-fed, indoor wood pellet boilers and furnaces.

Solar Thermal Rebate Program: OEP and the PUC are also teaming up to offer residents up to \$2,000 (on top of federal incentives) to reduce the cost of eligible solar hot water or solar heating equipment and installation.

For more information about any of these programs, visit OEP's website at www.nh.gov/oep or call 271-2155.



NHSEA
Sustainable Energy Education and Training for NH citizens and organizations since 2003.



Membership



Workshops



Annual Home Energy Conference



Green Buildings Open House



Advocating for Sustainable Energy Policy in New Hampshire

Contact us:

nhsea.org
info@nhsea.org
(603)226-4732 (22NHSEA)
Join us on Facebook!



Energy Services and Technology Program

The Energy Services and Technology Program (ESTP) will provide students with the knowledge and skills to enter the rapidly expanding field of energy services and technologies. Students will be prepared to utilize knowledge and skills gained in the areas of energy fuels and consumption, energy efficiency, energy economics, electricity, HVAC, technical communications, computer sciences, to optimize the production, delivery, and use of energy resources.

Students will learn through extensive classroom and lab experience with hands-on state-of-the-art training equipment recently acquired through the Fund for the Post-Secondary Education (FIPSE) grant. With this equipment students will experience hands-on training in HVAC, climate control, thermal insulation properties, indoor air quality, solar energy, and geothermal principles. Individuals will also train with the latest in instrumentation such as infrared camera imaging, blower door testing, combustion efficiency analyzing, and more. Graduates of the program will be prepared to enter into a variety of energy management and technological fields such as Energy Auditor, Energy Analyst, Building Operator, Resource Conservation Manager, Measurement and Verification Technician, Technical Service Representative, and many other related professions.

For more information contact
Professors Carl Daniels, cdaniels@ccsnh.edu or
Wes Golomb, wgolomb@ccsnh.edu
tel. 603-524-3207

www.lrcc.edu/energy

Efficiency Training Program

As the lead partner in the Efficiency Training Program, Lakes Region Community College (LRCC) is offering building energy efficiency trainings throughout New Hampshire. LRCC is providing a variety of short-term energy auditor and weatherization installer training programs including:

- ▶ BPI Building Analyst and Envelope
- ▶ Professional Training Courses
- ▶ BPI Air Sealing and Insulation Installer Training Courses
- ▶ Boot Camps and Efficiency Intensive Certificate Programs
- ▶ Short-term Energy Efficiency Trainings
- ▶ Energy Efficiency Professional Mentoring Support
- ▶ Efficiency Equipment Rental Program

A key recommendation within the New Hampshire Climate Action Plan goal is to vastly improve the energy efficiency of 30,000 existing NH homes per year. The ETP program is helping to build a network of trained energy professionals to accomplish this recommendation, leading to:

- ▶ More energy efficiency jobs and a vibrant local economy
- ▶ Lower home energy bills
- ▶ Improved occupant comfort and building durability
- ▶ Reduced greenhouse gas emissions

The Efficiency Training Program is a partnership with LRCC, the NH Division of Economic Development (DED), the Plymouth Area Renewable Energy Initiative (PAREI) and other allies. The ETP grant is funded by the Greenhouse Gas Emissions Reduction Fund (GHGERF) administered by the NH PUC.

For more information contact
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aduncan@ccsnh.edu
tel. 603-524-3207

www.lrcc.edu/energy/training



379 Belmont Road • Laconia, New Hampshire
603-524-3207 | www.lrcc.edu

For 21st century training in Energy-Efficient techniques, MCC delivers!

Construction Technologies Degrees and Certificates Energy Efficient Building Construction techniques including Energy Star, Passive House, LEED and Zero Energy Home are integrated into MCC's Building Construction degree and certificates, and follow BPI standards.

Electrical Technology Degree and Certificates meet and/or exceed electrical apprentice training requirements.

HVAC Degrees and Certificates train students to design, size, install and maintain climate control systems, including the latest "green" products in the HVAC field. The coursework throughout the program focuses on the specifics of refrigerants, Variable Speed and ECM devices and controls.

Short term training includes:

BPI Building Analyst I
BPI Envelope Specialist



Ask us about the NH Job Training Fund and how you can save up to 50% of the cost of employee training!

For more info contact:

Dana Mosher, dmosher@ccsnh.edu; 206-8036; or
Kathy DesRoches, Director of Workforce Development,
kdesroches@ccsnh.edu, 206-8161



1066 Front Street Manchester, NH 03102
www.manchestercommunitycollege.edu

Have energy questions? **We have Energy Answers!**

If you're looking for low or no-cost ways to reduce your household electric and heating bills, tighten up you home, and take advantage of government financial incentives for making energy improvements, you may already feel confused by the blizzard of "information" available.



With so much misinformation, conflicting advice, and marketing hype in the mix, it's hard to know what information to trust and how best to invest your energy dollars.

UNH Cooperative Extension's Energy Answers program can help.

Energy Answers connects you with the best New Hampshire-specific information from experienced energy professionals throughout the state.

Our toll-free Info Line in Manchester is staffed with volunteers trained to answer your home energy questions or refer you to experts and other non-commercial resources who can. We also maintain a website of energy-information resources.

- Visit our web site at extension.unh.edu/energy.
- Call us toll free at 1-877-398-4769, Monday through Friday, 9:00 a.m. to 2:00 p.m.
- Email your questions to answers@unh.edu.
- Check out the resources on our national website: extension.org/homeenergy.

Ideas for Saving Energy (and money!) at Home.

Transportation

The second largest source of residential CO2 emissions come from the vehicles we use to use to move about our communities.

- Right-size your vehicle; if you only carry several people or lots of cargo once in a while, rent a truck when you need it and drive a smaller car day-to day
- Combine trips when possible; Carpool
- Have children ride the school bus, instead of making an extra trip to drive them
- Bike, walk, ride public transit
- Have your car serviced frequently and check your tire pressure often
- Don't idle your vehicle for more than two-three minutes



For more ways to save, visit: myenergyplan.net

Ideas for Saving Energy (and money!) at Home.

Appliances and Lighting

Electricity generation accounts for about 40% of all greenhouse gas emissions in the United States, and most residential electricity is consumed by appliances and lighting.



- Buy ENERGY STAR appliances; give priority to high energy use appliances like dehumidifiers and refrigerators
- Use Compact Fluorescent Light-bulbs (CFLs)
- Power-down: Unplug TVs, stereos, cell phone chargers, computers, etc. when not in use, or use a power strip to shut them off
- Only run the dishwasher or washing machine when it is full
- Dry clothes outside or on a drying rack
- Insulating shades or curtains can help insulate your home in both summer and winter

For more ways to save, visit: myenergyplan.net

For nearly 100 years, New Hampshire residents and decision-makers have relied on UNH Cooperative Extension as a trusted source of reliable, non-commercial information and resources to help them make good decisions that strengthen youth, families, communities, and the local economy, and that protect our natural resources.



As the University of New Hampshire's primary public outreach program we maintain:

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- A network of professional staff located in each of 10 New Hampshire counties. Our county staff have expertise in agriculture, nutrition, food safety, youth and families, money management, land use, forestry, wildlife, and water resources. They work with local volunteers, specialists on the UNH campus, outside experts, and a wide diversity of community coalitions.
- A website rich with information resources: **extension.unh.edu**.
- A toll free Info Line, 1-877-398-4769, at our Education Center in Manchester that handles thousands of questions each year from the general public on topics involving gardens, grounds, food safety, and household energy.

To Learn More, visit: extension.unh.edu