

GREENHOUSE GAS EMISSIONS REDUCTION FUND

Appendix – Program Announcements & Promotional Materials

Calendar Year 2011, Quarter 3

July 1, 2011 - September 30, 2011

Program Title:

Efficiency Training Program (ETP)
NH Department of Resources and Economic Development (DRED) and
Lakes Region Community College (LRCC), Laconia, NH and
Plymouth Area Renewable Energy Initiative (PAREI), Plymouth, NH

- 1. The Record Enterprise article about the Manufactured Housing Wx course**
- 2. Building Analyst course poster**
- 3. Building Analyst course web listing**
- 4. Building Analyst e-mail marketing with BetterBuildings in Nashua**
- 5. Manufactured Housing course listing**
- 6. Equipment Rental Promo Flier**

Local News

A4 THE RECORD ENTERPRISE, THURSDAY, OCTOBER 6, 2011

Whip-O-Will homes get energy efficiency upgrade



COURTESY
LRCC Manufactured Housing Weatherization students and instructors with homeowners Norman & Marjorie Prescott. Pictured (left to right) kneeling: Andy Duncan, LRCC coordinator; Craig Cadieux, PAREI; Diane Reinhardt, student; Kim Lambert, student; (left to right) standing: Melissa Elander, student; Zak Brohinsky, student; Josh Turgeon, LRCC instructor; Bill Newell, LRCC instructor; Craig Howland, student; Ted Dickinson, assistant; Jamie Myers, student; Norman Prescott, homeowner; and Marjorie Prescott, homeowner.

PLYMOUTH — Winter is just around the corner, and with it comes big heating bills for many Plymouth-area residents.

Many residents at Whip-O-Will Hill Village on Route 3 will see their heating costs going down this winter, with the help of several weatherization programs converging on the manufactured housing community.

Students in Lakes Region Community College's "Manufactured Housing Weatherization" training course learned first-hand by analyzing the energy performance of three Whip-O-Will homes, and they learned by doing to weatherize one lucky homeowner.

As part of the four-day course, Norman and Marjorie Prescott received a complete energy audit, as well as upgrades to insulate their home's underbelly and attic, seal duct work, and other energy improvements.

"We were impressed with how polite the students were, and they did a good job working on our home," said Norman.

"We are retirees, and any help in reducing the high cost of heating our home is appreciated," added Marjorie.

This collaborative effort involved Whip-O-Will homeowners, Lakes Region Community College, Plymouth Area Renewable Energy Association, and BetterBuildings Plymouth. "We accomplished a lot over four days, analyzing several houses, helping residents reduce their fuel bills, along

with learning manufactured housing weatherization skills in the process" said Andy Duncan, coordinator of the course for Lakes Region Community College.

Students in the course used special equipment, such as a blower door to measure air leakage and a powerful insulation blower to densepack insulation into cavities of the Prescott home. On the second day of the training, Craig Cadieux, Energy Solutions Manager of the Plymouth Area Renewable Energy Initiative helped Whip-O-Will residents implement easy do-it-yourself energy efficiency measures. PAREI conducts these energy efficiency "Housewarmings" for DIY'ers as well as providing trainings and making specialized equipment available for energy professionals.

To help pay for the cost of weatherization, some homes, including the Prescotts', qualify for the Home Performance with Energy Star program managed by New Hampshire Electric Cooperative. Other homes are taking advantage of one percent financing and additional incentives from Plymouth BetterBuildings.

Additional homes at Whip-O-Will are participating in a special home weatherization program being implemented by Tri-County Community Action. BetterBuildings Plymouth helps Whip-O-Will and other Plymouth homeowners apply for these programs and oth-

er incentives.

"We are really happy to see so many homes getting weatherized at Whip-O-Will, and we encourage other Plymouth homeowners

to contact BetterBuildings so we can assist them as well," says Madeline McElaney, community manager for Plymouth BetterBuildings.

Now that the weatherization course is complete, not only are Whip-O-Will residents better prepared for winter, but also, course participants are better skilled

to make energy improvements in other homes.

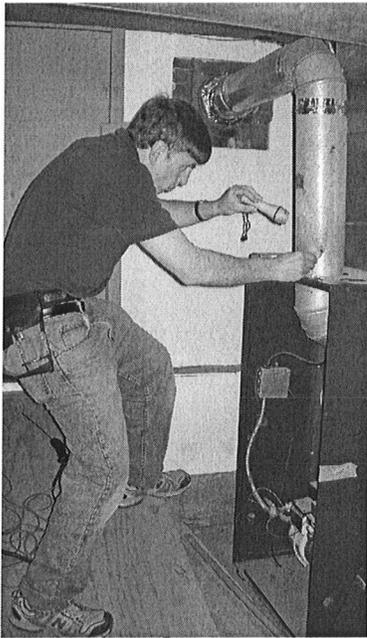
LRCC, PAREI and BetterBuildings will be continuing their programs into 2012.

#

BPI Building Analyst Training Course

Become a Certified Energy Auditor

*Discounted
Tuition!*



Join the green economy as a BPI-certified Building Analyst. Open the doors to new career opportunities and become part of a growing field. This six-day intensive course will give you the essential skills to successfully complete the rigorous Building Performance Institute written and field tests. Prepare yourself for careers in energy auditing, building performance contracting, energy management, and other professional fields. The new LRCC Energy Auditor Training course is being taught by Andy Duncan, Ph.D., (certified Building Analyst and Envelope Professional) and a team of seasoned professionals.

COURSE GOALS:

- Learn how to evaluate residential buildings as energy systems
- Gain skills in recommending safe, energy efficient, cost effective and durable building improvements
- Learn how to use weatherization diagnostic equipment
- Gain knowledge about opportunities in the green building field
- Become a certified Building Analyst by the Building Performance Institute (BPI)

COURSE #: LWKS 9000 CRN12081 BPI Building Analyst

LOCATION/TIMES: *Nashua, NH*

August 18, 19, 25 & 26 and Sept. 8 & 9 (Thu.-Fri..8.a.m.—4.p.m.)

Written test: Sept. 9. Field test: Starting Sept. 13 (review - Sept. 12)

COST: Only \$650 includes tuition and textbook. BPI Cert. Test—additional \$125 fee for written test & \$125 fee for field test.

Cost for this course is well below the typical charge for comparable BPI courses.

COURSE PREREQUISITES: Basic math, science and computer skills; good physical condition; ability to attend all six training days.

RECOMMENDED SKILLS: Familiarity with building systems. (structural, energy, mechanical, etc.).

REGISTER by calling 603-524-3207 or download registration form online at www.lrcc.edu.

PROGRAM SPONSORS: *Discount is funded by the NH Public Utilities Commission RGGI Greenhouse Gas Emissions Reduction Fund in partnership with the NH Division of Economic Development. Co-sponsored with Better Buildings - Nashua



**AFFILIATE
ORGANIZATION**



Limited class size—preregistration required—register now!



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BPI Building Analyst Energy Auditor

LWKS9000 Building Analyst CRN12081 (Course Registration Number)

Dates:

Thursdays & Fridays, August 18 & 19, 25 & 26 and September 8 & 9 (6 days)
8:00 am - 4:00 pm
Optional field review Monday, September 12

Written Test Course#: LWKS 9003 CRN: 12082

Optional BPI written test afternoon of September 9 (additional testing fee)

Field Test Course#: LWK S9005 CRN: 12083

Optional BPI field test starting Tuesday, September 13 (additional testing fee)

Location: TBD - Southern New Hampshire

Tuition and Fees:

The tuition for the instructional program is \$650, including binder and textbook.
GHGERF grant funding enables a significant reduction in tuition costs.

For students in this course, optional BPI Building Analyst certification testing are offered at a discounted \$125 for each of the written and field BPI test components.

Non-student testing fees are \$150 for the written BPI test, and \$300 for the field BPI test.

Course Description

This course prepares the student for the BPI Building Analyst written and field exam, and to pursue a career in energy auditing and related professions. Students will learn how to evaluate residential buildings as energy systems, and recommend safe, energy efficient, cost-effective and durable building improvements. Approximately half of the course will be spent in the field using a blower door, combustion analyzer, and other weatherization diagnostic equipment.

Course Prerequisites

Required Skills:

- Basic math, science, computer and communication skills
- Ability to crawl in an attic and other spaces, and ability to lift 30 pounds
- Students must attend all six days in order to complete the class

Recommended Skills:

- Familiarity with building systems (structural, energy, mechanical, etc.)
- Ability to practice building diagnostic procedures outside of the course will greatly improve the likelihood of passing the field test.

Instructor:

Andy Duncan, Ph.D., Manager of Energy Trainings, Lakes Region Community College. He is a seasoned weatherization professional with BPI Building Analyst and Envelope Professional certifications, and a former Environmental Science professor.

Registration:

Students may register by telephone 603-524-3207 with a credit card, by mail, or in person at LRCC, 379 Belmont Road, Laconia, NH 03246 and filling out a program application/registration form. Seats will be filled on a first come, first served basis. For further information contact Andy Duncan, Energy Trainings Manager, at aduncan@ccsnh.edu, 603-524-3207 or 1-800-357-2992

Course Reference Information:

As well as the information presented here, the NH Dept. of Resources and Economic Development has information regarding economic development in the state. Building Performance Institute (BPI), offers a nationally recognized training, certification, and accreditation and quality-assurance programs.



Search

- Energy Training Home**
- Building Analyst Course
 - BA Fast-Track
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 - Mentoring-Level 2
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- EST Program Home**
- Course Requirements
 - Course Descriptions
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 - Certificate
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 - Faculty

- Solar Photovoltaics

To:

Cc:

Subject: Nashua Aug. 9 Event & Aug. 18+ BPI Building Analyst Training

Extreme Energy Auditor Competition & Cookout

Free!

Tue., Aug. 9 4:30 - 7:00 pm

BetterBuildings Nashua along with LRCC's Efficiency Training Program invite you to Nashua's first Extreme Energy Auditor Competition & Cookout. BetterBuildings-qualified energy auditors will be speed-auditing a house, and giving home energy audit demonstrations.

Watch the experts in action, and enjoy a free cookout dinner. Homeowners and those interested in becoming an energy auditor are welcome to attend. A \$600 value home energy audit will be given away to a lucky Nashua resident. Please bring non-perishable food to donate.

At Salvation Army, 1 Montgomery Ave. at S. Main St, Nashua. Contact Bob Eldredge, 603-717-6530 for more information.



LRCC's ETP Goes to Nashua!

Auditing Competition
BPI Building Analyst Course



Join our mailing list



Forward to a friend

[Nashua BetterBuildings](#)

Nashua BPI Building Analyst Course Starts Aug. 18

LRCC's Efficiency Training Program will be holding a BPI Building Analyst training in Nashua. The course will be held Aug. 18, 19, 25, 26 and Sept. 8 & 9 in downtown Nashua. "We are looking forward to holding this BPI course in Nashua," says instructor Andy Duncan, "where BetterBuildings and the City of Nashua are doing great work encouraging energy efficiency." Tuition is \$650 for the course, and \$250 for both written and field BPI certification testing -- about a 50% discount compared to similar courses. The course also includes a field review day Sept. 12. To register or for more information call 603-524-3207 or click: [LRCC Aug'11 BPI Building Analyst in Nashua](#)

Quick Links

[LRCC's Efficiency Training Program](#)

The Efficiency Training Program is a partnership with Lakes Region Community College, NH Division of Economic Development and the Plymouth Area Renewable Energy Initiative. The ETP program is funded by the Greenhouse Gas Emissions Reduction Fund (GHGERF) administered by the NH Public Utilities Commission.



Lakes Region Home

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Manufactured Housing weatherization

[LWKS9028 MH Weatherization CRN12093](#) (Course Registration Number)

Dates:

Thursdays & Fridays, September 22, 23, 29 & 30
8:00 am - 4:00 pm

Location: Plymouth, NH

Most training will be onsite at an existing manufactured house.

Tuition and Fees:

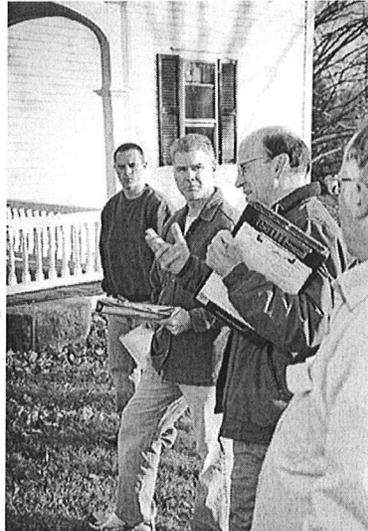
The tuition for the instructional program is \$700, including binder and textbook.

GHGERF grant funding enables a significant reduction in tuition costs.

Optional BPI Manufactured Housing Professional certification: Fees are \$150 for the written exam and \$250 for the field exam.

Course Description

This four day course provides hands-on training in manufactured housing energy efficiency auditing and retrofit installation techniques. The emphasis will be on installation skills, with a review of energy auditing techniques. Topics addressed include: manufactured housing construction features and energy systems, health & safety issues, duct leakage diagnostics and sealing, blower door diagnostics and air sealing, belly retrofits, roof and attic insulation options, sidewall retrofit options, baseload reduction, ventilation and comfort. Qualified participants will be eligible to take the BPI Manufactured Housing Professional written and field certification exams (extra fee) after the end of the course. Course participants will be using actual manufactured homes to gain auditing and installation experience. BPI Building Analyst certification, carpentry skills, or similar experience is strongly recommended.



Course Outline

Day 1: Manufactured housing (MH) construction and energy features MH energy auditing and workscope development

Day 2: *(Open by special invitation to manufactured housing community members)*

Low intensity energy improvements (simple air sealing weatherstripping, duct sealing & insulation, clothes dryer and exhaust fan improvements, lighting improvements and baseload reduction. Reducing health & safety issues in MH

Day 3: Insulating and air sealing walls and floors

Treating and replacing windows and doors

Day 4: Insulating and air sealing attics and roofs

Upgrading and replacing heating, cooling, hot water and ventilation systems

BPI Manufactured Housing Professional certification testing will be held after the course as an optional component.

Textbook: *Your Mobile Home: Energy and Repair Guide for Manufactured Housing, 5th Edition*, by John Krigger. 2006: Saturn Resource Management.

Course Prerequisites

Required Skills:

- Carpentry, basic math skills
- Energy auditor or residential contractor experience

Recommended Skills:

Search

Energy Training Home

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EST Program Home

- Course Requirements
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- Faculty

- Solar Photovoltaics

- Familiarity with residential building energy, mechanical and structural systems
- BPI Building Analyst or WAP Energy Auditor state certification

Instructor:

Josh Turgeon, Seacoast Home Services and Energy Auditing; Chuck Prausa, Smart Energy Use, LLC; Bill Newell, Newell & Crathern; coordinated by Andy Duncan, Lakes Region Community College. All are BPI-certified seasoned weatherization professionals.

Registration:

Students may register by telephone 603-524-3207 with a credit card, by mail, or in person at LRCC, 379 Belmont Road, Laconia, NH 03246 and filling out a program application/registration form. Seats will be filled on a first come, first served basis. For further information contact Andy Duncan, Energy Trainings Manager, at aduncan@ccsnh.edu, 603-524-3207 or 1-800-357-2992

Course Reference Information:

Lakes Region Community College, <http://www.lrcc.edu/>, has course registration available on the College website, and well as information about many other courses, certificate and degree programs through the Energy Services and Technology program. The New Hampshire Dept. of Resources and Economic Development, <http://www.dred.state.nh.us/>, has information regarding economic development in the state. Building Performance Institute (BPI), <http://www.bpi.org/>, offers a nationally recognized training, certification, and accreditation and quality-assurance programs.

Top



NEW!

ENERGY AUDIT EQUIPMENT RENTAL

Looking to get into the residential and business efficiency and weatherization field?

Want to capitalize on business and homeowner requests for lower energy costs?

Need a way to reduce start-up costs?

In partnership with Rand's Hardware, the Plymouth Area Renewable Energy Initiative (PAREI) has established an Energy Equipment Rental Program specifically to help Energy Auditors provide energy related services and proper equipment use.

NOT A CERTIFIED ENERGY AUDITOR

Contact PAREI for information on becoming Building Performance Institute (BPI) certified and take advantage of this great new Energy Equipment Rental Program! Certification courses are being taught year round in central New Hampshire.

For more info on professional opportunities in Energy Services visit the Residential Energy Performance Association at www.repa-nh.org and Lakes Region Community College at www.lrcc.edu/energy/training/index.html

EQUIPMENT ON THE RENTAL LIST INCLUDES:

Minneapolis Blower Door has long been recognized as the best designed and supported building airtightness testing system in the world.

with DG-700 Manometer

\$40 ½ day *

\$60 per day *

with two openings

for large buildings, includes: two fans & two manometers

\$50 ½ day *

\$80 per day *

* One hour on-site safety training is required for first time rental, unless BPI certified

\$25 fee for on-site safety training

DG-700 Manometer

(for zonal and duct leakage testing)

digital pressure and flow gauge is the latest instrumentation used in conjunction with the Minneapolis Blower Door.

\$20 ½ day
\$35 per day

Large and Small Pressure Pans

are duct leakage diagnostic tools that are used along with the Minneapolis Blower Door and digital pressure gauge to identify exterior air leakage in duct systems.

\$25 per day
for set

Exhaust Fan Flow Meter

is designed to make quick and accurate measurements of air flow through residential exhaust fans.

\$25 per day

We also rent a loose fill insulation blower for general contractors!

AccuOne Insulation Blowing Machine

is a portable, all-fiber blowing 115-volt machine. Intended for dense pack insulation and includes 2.5" hose.

\$66 per day

The equipment and program coordination is funded by the Greenhouse Gas Emissions Reduction Fund (GHGERF) administered by the NH PUC with the goal of helping train NH workers so they can provide services that will lead to a more energy efficient New Hampshire.

Joint effort by



To sign up for the
One on One Equipment Training

**contact
PAREI**

Zak Brohinsky
Project Coordinator
zak@plymouthenergy.org
603-536-5030
www.plymouthenergy.org

To Rent Equipment visit the Rand's Rental Desk

Rand's Hardware
randshardware@yahoo.com
603-536-1000
www.rands.doitbest.com