

# Energy Modeling in eQUEST

## When:

January 16th(9:30AM-5:00PM) and 17th(9:00AM-4:30PM), 2012

## Where:

Office of Efficiency VT; 128 Lakeside Avenue Suite 400, Burlington VT

## Who:

Architects, Engineers and all who have an interest in energy modeling for buildings

## Cost:

\$525 (Non-Members) / \$425 (VGBN & ASHRAE Members). Breakfast & Lunch Included.

## Prerequisites:

Basic computer literacy; Familiarity with ASHRAE 90.1 Appendix G; Experience with energy simulation recommended though not required

## Credit:

14 GBCI CE for LEED credential maintenance program

14 PDHs through RCEP/NCEES

14 AIA/CES learning units HSW/SD

## Description:

To earn points for LEED NC Energy and Atmosphere Credit 1, buildings must be modeled in approved software, following ASHRAE 90.1 Appendix G guidelines. This hands-on training focuses on applying Appendix G modeling protocol to a small office building using eQUEST software.

### Day 1:

Introduction to Appendix G and an overview of the key features of eQUEST, participants will work on a case study. We will start by importing CAD drawings into a simulation file, and then cover the various input and reporting requirements of Appendix G as applied to this building relying on eQUEST's Wizard Mode as a convenient method of data entry. Methods to convert available project data into eQUEST-friendly inputs will also be demonstrated.

### Day 2:

The second day will start with an introduction to eQUEST's Detailed Mode. We will then fine tune the model developed on Day 1 using the detailed interface, and take advantage of the Parametric Runs functionality to complete the Appendix G baseline and proposed models. Additional topics will include model quality assurance and troubleshooting, strategies to increase modeling productivity, and documenting results following LEED requirements.

## Requirements:

1. Bring a laptop computer that has eQUEST installed. eQUEST is free and can be downloaded here: [http://www.doe2.com/download/equest/eQUEST\\_3-64\\_Setup.exe](http://www.doe2.com/download/equest/eQUEST_3-64_Setup.exe).

2. For the hands-on exercises, it will be helpful for you to have the paper or electronic copy of ASHRAE 90.1 2007.

## Registration:

Online at [www.vgbn.org](http://www.vgbn.org) under News and Events Menu at:

<http://www.vgbn.org/page.php?pid=94&pname=Energy%20Modeling%20in%20eQUEST>

Please email [Vermontgbn@gmail.com](mailto:Vermontgbn@gmail.com) with your contact information to pre-register.

To complete your registration send check made payable to VGBN to:

**VGBN**

**PO Box 5384**

**Burlington, VT 05402**

All registrations by mail must be postmarked by January 6, 2012.

**25 Person**  
Class size limit

**Sponsors:**

