

Energy Modeling in eQUEST

Location:

Hampton Inn - Woodbridge
370 US Highway 9 North – Woodbridge, NJ 07095

Dates:

Day 1: February 24th, 9:30 a.m. to 5:00 pm Day 2: February 25th, 9:00 a.m. to 4:30 pm

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:

After a brief 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.

Note: Class size is limited to 25 people, with two instructors, one of whom helps individuals with exercise. Attendees earn 14 GBCI CE hours towards the LEED Credential Maintenance Program.

Lodging:

A group rate will be made available at the Hampton Inn in Woodbridge where the training is being held. Shuttle service is available to and from Newark Liberty International Airport.

Intended Audience:

Architects, engineers, and all those interested in building science and the LEED protocol are encouraged to attend.

Prerequisites:

Basic computer literacy. Familiarity with ASHRAE 90.1 Appendix G and some experience with building energy simulation are strongly recommended, though not required.

Software Download and other Required Materials:

1. Bring a laptop computer that has eQUEST installed. eQUEST is free and can be downloaded here: http://www.doe2.com/download/equest/eQUEST_3-63b_Setup.exe.

You **must** have admin privileges on your computer in order to install the software. It will greatly streamline the training if you ensure that the software is installed and working.

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

Instructor: Maria Karpman – Karpman Consulting

Registration: Registration is \$600 per person, and includes attendance, 100+ page handout, lunch and a light breakfast for both days. Please contact us at kc@karpmanconsulting.net or by phone at (860) 430-9110 if you have any questions about the training. Partners in the Multifamily Performance Program are eligible to receive NYSERDA reimbursement for 75% of the registration fee.

Registration Form

Last Name: _____ First Name: _____ MI: _____

Company Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Work Phone: _____ Cell Phone: _____

Email Address*: _____

Occupation: _____ Job Title: _____

Previous Building Simulation Experience: _____

How did you hear about us? _____

* It is important that you provide an email address that you check regularly, as this will be the primary method of communication about changes and updates.

Payment Information:

Mail payment and registration to:

Karpman Consulting
39 New London Turnpike - Suite 314
Glastonbury, CT 06033

Payment is only accepted by check, and should be mailed together with the registration form. Your spot will be reserved after we receive your paperwork and payment. You will receive an email once your registration is confirmed.