

# eQUEST Modeling for LEED

## Location:

Manhattan GMAT  
138 West 25<sup>th</sup> Street, 7<sup>th</sup> Floor – New York, NY, 10001

## Dates:

Day 1: October 28<sup>th</sup>, 9:30 a.m. to 5:00 pm    Day 2: October 29<sup>th</sup>, 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 typical 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 based on a typical office building. 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 documentation, including a review of the LEED template.

**Note: Class size is limited to 20 people, with two instructors, one of whom assists each individual with the exercises.**

## 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](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 \$550 per person, and includes attendance, 100+ page handout, lunch and a light breakfast for both days. Please contact us at [kc@karpmanconsulting.net](mailto: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. For more information on the NYSERDA reimbursement, contact Shelley Allen, [SAllen@TRCsolutions.com](mailto:SAllen@TRCsolutions.com).

## Registration Form

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ MI: \_\_\_\_\_

Company Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Work Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Email Address\*: \_\_\_\_\_

\* It is important that you provide a valid email address that you check regularly, as this will be the primary method of communication about possible postponement or cancellation due to weather or other emergencies.

### 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.

### Optional:

Occupation: \_\_\_\_\_ Job Title: \_\_\_\_\_

Previous Building Simulation Experience: \_\_\_\_\_

How did you hear about us? \_\_\_\_\_

Thanks for your interest, and see you in NY!