

eQUEST Software Training: Introduction

Description: eQUEST provides a sophisticated, yet easy-to-use building energy analysis tool. eQUEST was designed to allow the user to perform detailed analysis of today's state-of-the-art building design technologies using sophisticated building energy use simulation techniques but without requiring extensive experience in the "art" of building performance modeling. In this introductory session we will describe how to use Wizards + Graphics to build a model and revise it as the design develops.

Course assumes eQUEST version 3.63b [from <http://doe2.com/equest/index.html>] has been downloaded and installed on student's computer prior to the training session.

Audience Level: Architects and engineers interested in a simple-to-use energy modeling tool. Basic level of familiarity with building envelope, mechanical systems, and lighting is required.

NOTE: Both Introductory and Intermediate eQUEST have a general emphasis on the early phases of new building design. LEED modeling techniques, advanced building envelope and HVAC, and existing building retrofits will typically not be addressed in-depth.

Agenda

- 9:00 a.m. Energy modeling basics
- 9:45 a.m. Overview of eQUEST capabilities
- 11:15 a.m. Wizards: schematic design, design development, energy efficiency measure
- 12:00 p.m. Lunch break
- 1:00 p.m. Detailed eQUEST/DOE-2 (SIM) Reports and Hourly Reporting
- 1:45 p.m. Using DWG files with eQUEST
- 2:15 p.m. Schematic design exercise
- 3:15 p.m. Design development exercise
- 5:00 p.m. Instruction Concludes