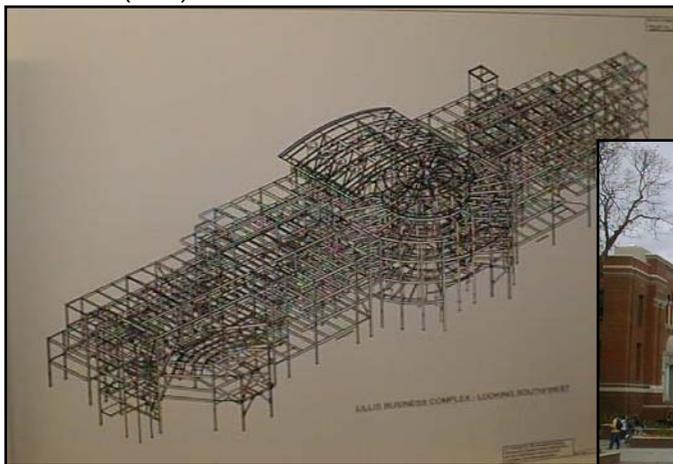


# Energy Modeling Training Course

- What:** DOE2 Building Energy Modeling Training Course
- Trainer:** Michael Hatten, SOLARC Architecture and Engineering
- Who:** For DOE2 modelers with minimum one year of experience
- When:** December 7-8, 2004 from 8:30 a.m. to 4 p.m.
- Where:** Chemeketa Eola NW Viticulture Center at 215 Doaks Ferry Rd. NW, Salem (Doaks Ferry Road NW is directly off Oregon Hwy. 22 in West Salem)
- Sponsors:** Oregon Dept. of Energy and Northwest Energy Education Institute (NEEI)
- Cost:** \$60 (lunch provided; certificate issued upon completion)
- Register:** [www.nweei.org](http://www.nweei.org) (click on Registration)
- Deadline:** Register by November 19. There is a limit of 25 participants.
- Bring:** Please bring a laptop with current eQuest loaded, a calculator, and a notepad. Also bring the resource CD and notebook sent to you upon registration acceptance.
- Questions:** Call Ann Hushagen or Mike Rosenberg at the Oregon Dept. of Energy 1-800-221-8035 or (503) 378-4040



*SEED project - Lillis Business Complex  
University of Oregon*



**Why:** Qualifications for Energy Analyst for SEED will change on January 1, 2005. New qualifications will require a minimum of **three years** of full-time modeling experience **or** a combination of two years full-time experience and completion of this Dept. of Energy – NEEI two-day training course. The course will emphasize the SEED analysis process, but tools learned can be applied to energy analysis performed for the Business Energy Tax Credit, LEED®, SB 1149 projects, and Energy Trust of Oregon projects. **Additional details follow.**



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# Energy Modeling Training Course

Upgrade your DOE-2 modeling skills by attending this specialized training course Dec. 7-8. Michael Hatten, SOLARC Architecture and Engineering and one of the region's most experienced and respected energy simulation experts, will lead the training. Michael Rosenberg, energy analyst with the Oregon Department of Energy who works with the State Energy Efficiency Design (SEED) Program projects, will assist.

The 2-day training session provides experienced modelers with a focused exposure to energy simulation issues of particular interest to SEED projects. We will have hands-on examples so attendees can work along with the examples using eQUEST – a Windows version of DOE2.2. While the training session makes specific use of DOE2 and the SEED process, we will discuss general issues relevant to all energy simulation software packages and other analysis procedures.

**Day 1** will focus on technical energy modeling and analysis including building zoning, modeling daylighting, modeling ground-source heat pumping, and improving an understanding of heat transfer calculations within models. We will also include a general overview of the energy modeling process, a review of Building Description Language (BDL) file structure and syntax, and comprehensive baseline model calibration methods.

**Day 2** focuses on the roles and requirements of the energy analyst within SEED projects. We will review highlights of the current SEED process milestones, discuss a new template report format, and define requirements for energy modeling documentation. We will develop a hands-on example that demonstrates use of the SEED Model Guidelines in creating a baseline building energy model. We will also discuss other uses of the SEED energy model for a given project. For a detailed course curriculum, contact Ann Hushagen or Mike Rosenberg by e-mail at [Ann.Hushagen@state.or.us](mailto:Ann.Hushagen@state.or.us) or [Michael.Rosenberg@state.or.us](mailto:Michael.Rosenberg@state.or.us)

The session is highly recommended for all current consultants working on, or potentially working on, SEED projects. It is targeted to experienced energy modelers. The session will be a mix of presentation, demonstration, and discussion. Class participants will have opportunities to share information based on their actual modeling experiences. All attendees should bring a laptop computer with the current version of eQUEST loaded, a calculator, and a notepad. We will send all attendees a resource CD and notebook that should also be brought to the training sessions.

To register, please go to [www.nweei.org](http://www.nweei.org) and click on "Registration." The deadline for registration is November 19, 2004.

We will limit participation to 25. A minimum of 15 participants is necessary for the course to be held. We reserve the right to cancel/postpone the training should the minimum number of participants not be registered.



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