

Building Energy-Efficiency and Energy Modeling Training

This is an opportunity for unemployed and underemployed building designers (i.e. architects, engineers and others) to receive free training in building energy modeling. Programs similar to this typically cost around \$600. The training takes place over three days. It consists of analyzing energy flows in selected building types, and using computer energy models to calculate and validate those energy flows. This training is about understanding the use of energy modeling in reducing energy use in buildings. The program is presented by the Center for Sustainable Building Research, University of Minnesota.

Five, three-day training sessions will be given during late fall 2011:

November 14-16, 2011 - St. Paul

November 28-30, 2011 - St. Paul

December 5 - 7, 2011 - Rochester

December 13-15, 2011 - Duluth

TBD - Moorhead (anticipated to be three days between January 9 - 13, 2012 or January 16-20, 2012)

Each participant should have a PC-compatible laptop computer (Macs running Parallels or other PC emulators are fine). We will be using Google Sketchup to model geometry, and IES VE-Gaia for energy analysis. You can download a free version of Sketchup from www.sketchup.google.com. We will provide a link to download a provisional free license for IES VE-Gaia once you register. Note that you can download a free version of the IES Sketchup plugin here if you wish to get started right away: <http://www.iesve.com/software/ve-ware>. If you haven't used SketchUp before you should access their training site at: www.sketchup.google.com/training/videos.html. If you haven't used IES before, you should access their training site at: <http://www.iesve.com/corporate/media-centre/white-papers> and on You Tube at http://www.youtube.com/watch?v=G0684G02I7o&feature=results_main&playnext=1&list=PLC3D943AF FD1A9124)

This training is designed to teach an understanding of the meaning of the energy modeling process and results. For this reason we require that you come prepared with a basic understanding of the software tools. We will send links to specific required tutorials to registered participants.

If you would like to register for this training, go to the following web site:

<https://docs.google.com/spreadsheet/viewform?formkey=dFREWm1UMmh1aEhXVEZfVFFndXRpZVE6MQ>

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