

# **EnergyPlus™ Quick Start Guide for the Macintosh OS X Operating System**

This document provides a brief overview of how to install and run EnergyPlus on the Macintosh OS X system. Additional information can be found in the documentation folder.

Note that the ReadMe.html document (located in the EnergyPlus folder), while helpful in understanding how EnergyPlus works, describes the MS-DOS/Windows version of the EnergyPlus program. For instructions specific to operating the Macintosh version of the program, see below.

## **HOW TO INSTALL ENERGYPLUS**

If you recently installed EnergyPlus via its installer, skip ahead to the HOW TO RUN ENERGYPLUS section below, otherwise:

### **1. Open the installer disk image**

After you have completed downloading the SetEPlusV810009-mac.dmg disk image, open it by double-clicking its icon.

### **2. Start the installation program**

The disk image contains an installer file named SetEPlusV810009-mac.pkg. Double-click the installer package to start the installation process.

### **3. Follow the on screen prompts of the installation program.**

The main application will be installed in the EnergyPlus folder within the Applications folder.

## **HOW TO RUN ENERGYPLUS**

### **From EP-Launch Lite application program:**

You can run EnergyPlus from the EP-Launch Lite application that is found in the EnergyPlus application folder.

### **From command line:**

Alternatively, from the command line of the terminal window (the Terminal application is found in /Applications/Utilities), type: `% runenergyplus -- help`

The resulting terminal out will give you additional information about how to run EnergyPlus.

Note that in the above examples, the "%" symbol represents the command prompt (e.g., your\_userid%). You type only the part of the command that follows the prompt (e.g., at the prompt, type "runenergyplus -- help").

## **HOW TO CONVERT DOS FILES TO UNIX FORMAT**

1. From the command line of the terminal window (the Terminal application is found in the /Applications/Utilities folder) type "dos2unix -U" and then the name of the file that you want to convert to unix format. For example: `% dos2unix -U example.idf`. For more information on the dos2unix utility, type "dos2unix -h" from the terminal window's command prompt.

## **HOW TO REMOVE ENERGYPLUS**

To uninstall EnergyPlus, double-click the Uninstall EnergyPlus application. The program will ask you whether you want to continue. **WARNING: If you click “OK”, the uninstaller will immediately delete all files in the EnergyPlus application folder.** This utility will remove all of the EnergyPlus-related symbolic links from the /usr/bin directory.

## **KNOWN ISSUES**

While this version of EnergyPlus will run most IDF or IMF files regardless of origin (e.g, MS-DOS or linux), a few easy to work around cross-platform incompatibilities exist. Specifically, file path name delimiters can cause problems.

For example, the FileName field in the CONSTRUCT FROM WINDOW5 DATA FILE object is operating system dependent. Consequently, if an IDF or IMF file originates on a MS-DOS machine (i.e., Windows machine), check to make sure that any path delimiters in the FileName field are changed to their unix equivalents (the FileName DataSets\Window5DataFile.dat will need to be changed to DataSets/Window5DataFile.dat). The same is true the Name of File field in the SCHEDULE:FILE:COMMA object.

The weather file menu in the program EP-Launch Lite is built each time the program starts. What this means is that if you add a weather file to the weatherdata directory while EP-Launch Lite is running, the program will be unaware of the new weather file. To work around this issue, quit and restart EP-Launch Lite. The new weather file should now appear in the popup menu.

## **HELP**

For questions regarding downloading and installing EnergyPlus on Mac OS X, send e-mail to kyle.benne@nrel.gov and eric.bonnema@nrel.gov.

For any other EnergyPlus related questions please visit <http://www.energyplus.gov> or send e-mail to EnergyPlus-Support@gard.com.