# Installing the DEER2008 Database and MISer Tool (database version deer2008.2.05)

This document provides detailed information on installing the DEER database and using the MISer program to view the data in the database. It is recognized that the installation is not a simple "one-click" process, but the database has been successfully installed on a wide-range of computers and MS-Windows Operating systems. Please pay careful attention to all of the enumerated installation steps when installing the database for the first time.

## 1. Download the required files.

Go to the DEEResources.com web site and log in using the displayed username and password (DEER & 2008). Once logged in, choose the "09-11 Planning/Reporting" page from the menu on the left side of the page. *You will need to download three files to install the database for the first time*:

a. The database file: "deer2008.2.08.exe"

Energy Impacts and Load Shape Data								
Energy and Load Shape Data Set 1 (updated measure data) This data set includes results for both whole-building (i.e. with HVAC 2009 planning and reporting filings the whole-building values (those contents has been updated (see section at the bottom of this page).								
Use the following instructions to install the update (for more detailed in								
1. Download the self-extracting file that contains the new database								
DEER2008.2.05 for New and Existing Buildings (Updated 15 De								
updated measures including 8760 electric load shapes. These								
climate zones and IOU service territories. The existing vintage a								
vintages based on age-based existing building stock square for								
This data set includes all of the results commonly used for Calif								
<ol><li>Download and install the latest MISer program:</li></ol>								

Download the DEER2008.2.05 self-extracting file. It is a fairly large file (about 1 gigabyte, or 1000 megabytes). With Internet Explorer, right click on the link and use "Save Target As …" to save the file to your computer. With Firefox, right click on the link and use "Save Link As …". Save it to a location on your computer that you can easily find again.

b. The latest "minor update" file: "DEER2008.2.05-update-C.zip"

### Minor Updates

DEER2008.2.05-update-C.zip (Updated 13 May 2009)

This update fixes a few minor interface issues without changing any of the actua category measures to be searchable and exportable. The latest update also ren interface; these results were for testing purposes only and were not intended to

Use the same procedure as with the previous file and save it to a location on your computer that you can easily find again.

c. The database viewer installation program: "MISerSetup\_v1.10.07.msi" DEER Energy Data Viewer Tool

> The DEER2008 energy results are stored in a portable MySQL database. Measure data ca called MISer. Download and install the latest version of MISer:

MISerSetup 1.0.10.00.msi or MISerSetup 1.0.10.00.zip (Version 1.0.10.00 posted database format.

<u>MISerSetup 1.10.07.msi</u> or <u>MISerSetup 1.10.07.zip</u> (Version 1.10.07 posted Septe DEER2008.2.05 database format. This version fixes a few graphing and export iss the previous four-number system).

Again, use the same procedure as with the previous file and save it to a location on your computer that you can easily find again. If your ISP or network security settings do not allow you to download MSI installation files, download the "zip" version of the same file (shown above).

2. **Install the MISer application and have MISer create a blank database.** Install the MISer application by running the MISerSetup program. If you downloaded the "zip" version of the installation file, first extract the setup program by "unzipping" the file.

Allow the installation program to use the default folder options; click "Next" when prompted until the program is installed.

Start this latest version of MISer. You may have multiple versions of MISer installed on you computer, which allows you to view different versions of the DEER2008 database. Start this version by going to the Start menu, choosing "All Programs" and then selecting the "DEER\_v2.05" menu item. Click on the MISer icon within this menu item.

When the program starts, it will prompt you for a database location. Since you have not yet installed the actual database files, you can choose any location. Be sure to choose a drive with at least a few gigabytes of free data space remaining. You can use the "Browse" function to point to an existing directory, or just type in the desired location. *Do not choose a location on your company's network,* 

#### you must choose a local drive.

Below, I've specified a directory called "deer2008.2.05" so that I'll always be sure what version of the database is located there.

Select DEER Database Location	
Select DEER Database Location	
F:\DEER2008\deer2008.2.05	Browse
	ОК
	Cancel

After you press "OK", the MISer program will see that you have pointed to a location that does not contain the actual database and the program ask you if it is okay to create a new (blank) database there.



When you press "OK", MISer will install a "blank" database at the specified location. *The MISer application will start, but with no data to actually view.* Close the MISer application.

## 3. Install the DEER database files.

Locate the large file you downloaded in step 1 of this process (deer2008.2.05.exe). Start the self-extracting file by double clicking on it. The program will prompt you to specify a location to extract the files to. **Do not accept the default location!** Instead, click on the button next to the edit box and browse to the directory where MISer installed the blank database. From that directory, choose the "data" sub-directory and then the "deer2008" sub-directory underneath that.

If MISer created the blank database to "deer2008.2.05" like the example in the previous step, then you must specify this directory:

7-Zip self-extracti	ng archive	
Extract to:		
F:\DEER2008\deer2	008.2.05\data\deer200	8
	Extract	Cancel
	Extract	Cancel

When you press "Extract", the program will soon ask you to "Confirm File Replace". Reply with "Yes to All". If the program does not ask for this confirmation by the time it gets to "5% Extracting", you did not properly point to the blank database. Cancel the process and start step 5 over again.

The extraction process will take a few minutes.

#### 4. Install the "Minor Update".

Start the latest version of MISer again, this time accepting the default database directory. You should now see a screen similar to the one below:

Impact Search	ı ———			5.45	-		dimeter 7-		15-1	1944	
Measure			Building			Climate Zone		Vintage	HVAC Select All		
<ul> <li>         ■ Non-Residential      </li> <li>         ■ Residential      </li> </ul>			Educatii Educatii Educatii Educatii Grocery Health/I Lodging Lodging Manufa Office -	Assembly Education - Primary School Education - Secondary School Education - Community College Education - University Grocery Health/Medical - Nursing Home Lodging - Hotel Manufacturing - Light Industrial Office - Large Office - Small Restaurant - Fast-Food  v			Select AI     A     Select AI       Arcata Area (C201)     Before 137       Santa Rosa Area (C202)     1378 - 199       Oakland Area (C203)     2002 - 200       Santa Maria Area (C205)     2002 - 200       Los Angeles Area (C206)     After 2005       Los Angeles Area (C207)     E       El Toro Area (C207)     E       Pasadena Area (C209)     MH Before       San Brenardino Area (C210)     MH 1955 - 3       Red Bulf Area (C211)     MH Hig55 - 3       Saramento Area (C212)     PGE Existin       China Lake Area (C214)     Blythe Area (C215)       Blythe Area (C215)     SOGE Existin       Mount Shasta Area (C216)     +		Gas Furnace/No AC Not Applicable		
						*			SCOEXISIIIg	blumber of	
r	: C Vintage-Spe		-	Restaur Weighted Resul	rant - Fast-Food	s SelectM	Mount Shasta A	rea (CZ16)	alSelect Select		Customize
Measure Data	: O Vintage-Spe Base: Technology	cific Results	Vintage and CZ Building Type	Restaur	rant - Fast-Food		Mount Shasta A	rea (CZ16) 🔻	alSelect Select		

You're almost done installing the database, but there is one more critical step.

Go to the MISer "Tools" menu and choose the "Import DEER2008 Format 2 Data

from Zip Archive", as shown below:

W MISe	r pols Help Database		
Se	DEER2008 Web Site Export Selected DEER2008 Format 2 Hourly/An Import DEER2008 Format 2 Data From Director Import DEER2008 Format 2 Data From Zip Arch	ry hive	Climate
	Repair Annual and Hourly Tables In mysql Dat	Education - Primary School Education - Secondary School Education - Relocatable Classroo Education - Community College Education - University Grocery Health/Medical - Nursing Home	Arcata A Santa R Oakland Sunnyva Santa M Los Ang San Dieg El Toro A

When prompted, point to the minor update file that you downloaded in step 1 of this process (*DEER2008.2.05-update-C.zip*). The program will install the update and reload the displayed data.

You should now be ready to browse the DEER2008 database user the MISer program.