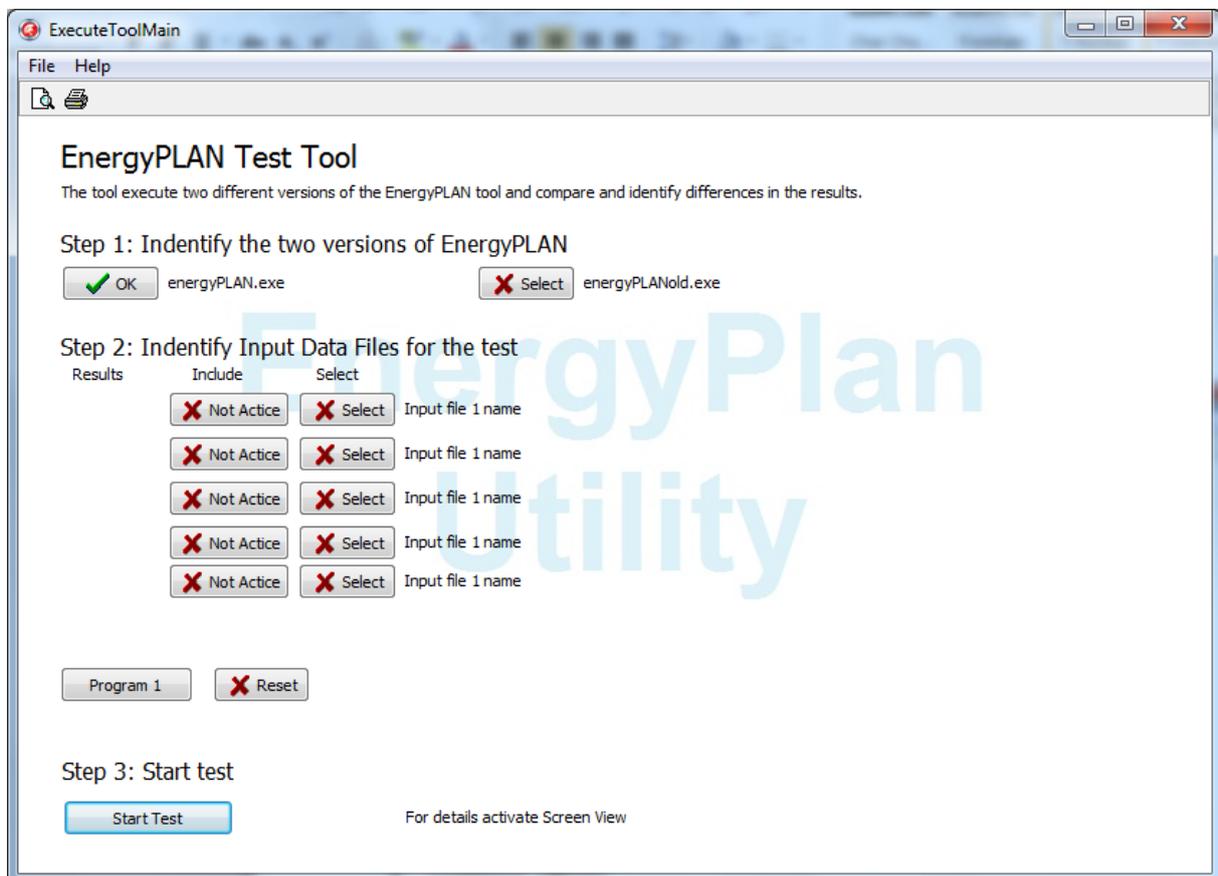


EnergyPLAN-Compare

An EnergyPLAN Help Tool

Documentation Version 1.0



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Preface

This is the documentation of the first version of an EnergyPLAN Help Tool called “EnergyPLAN – Compare”.

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Purpose and application

The main purpose of the model is to assist in the testing of new versions of the EnergyPLAN model when the EnergyPLAN model is being further developed.

The tool may also be used by users of the EnergyPLAN model when a new version is released e.g. to test if the new version changes results of previous studies. However such use is possible only for version 10.0 and onwards, since previous EnergyPLAN models does not include the necessary link to the new tool.

What does the help tool do?

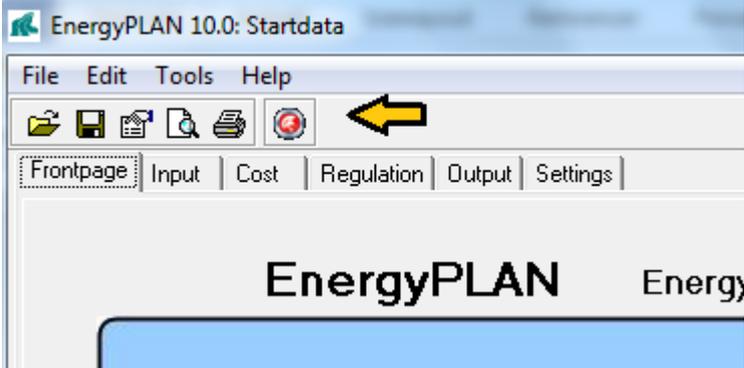
The EnergyPLAN compare help tool can run two different versions of the EnergyPLAN model using the same input data and compare approx. 150 main results and identify if there are any differences in the results. One can specify a list of different input data files which the help tool can run through.

How to operate the help tool

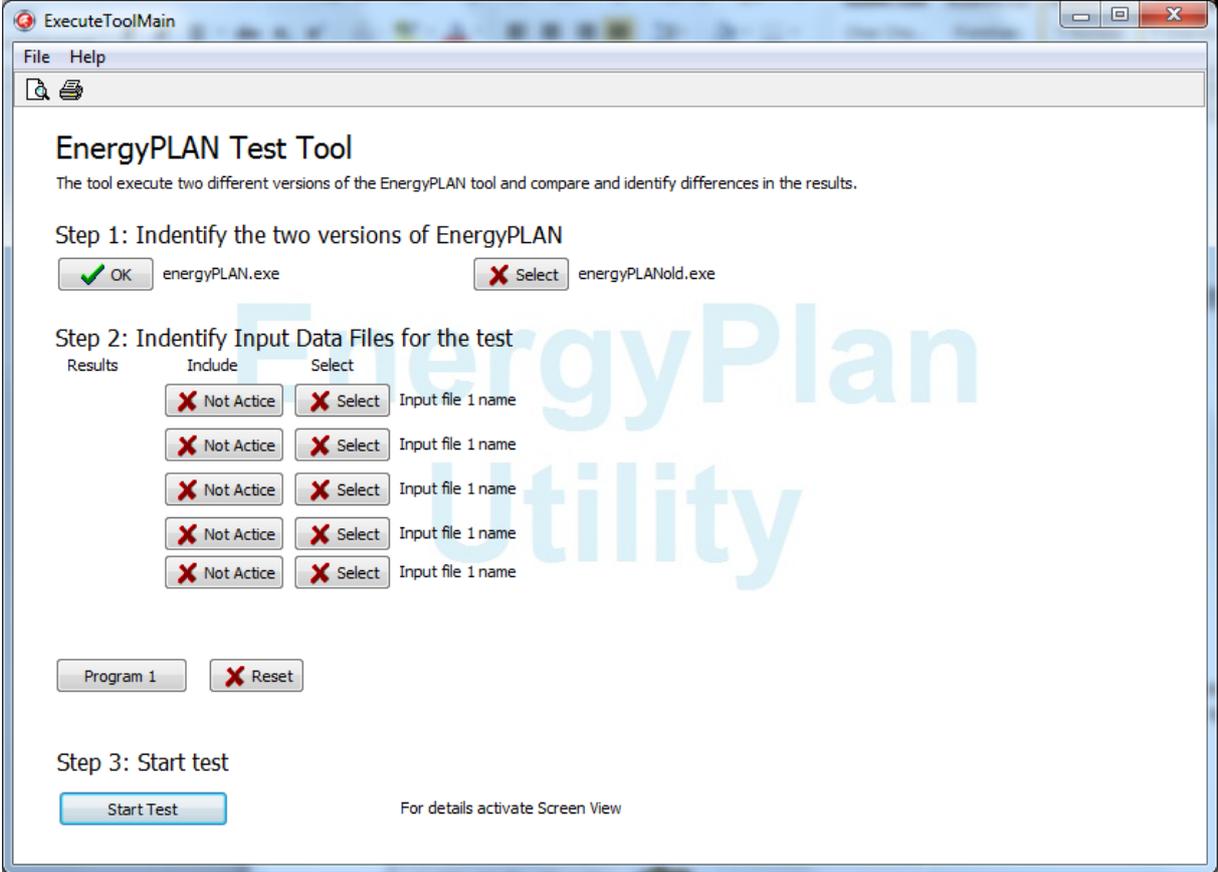
The EnergyPLAN compare help tool execute file has to be located in the same directory as the EnergyPLAN execute file. Moreover one has to place both the two EnergyPLAN models in the same directory as illustrated below:

Navn	Ændringsdato	Type
 energyPlan Data	08-08-2012 11:28	Filmappe
 energyPLAN.exe	08-08-2012 10:40	Program
 energyPLANold.exe	10-07-2012 20:52	Program
 ExecuteEPlanTool.exe	10-07-2012 22:50	Program

The help tool can be activated directly from the directory or from the EnergyPLAN model. When the help tool is located in the same directory as the EnergyPLAN model an icon will appear in the upper corner of the model as shown below:



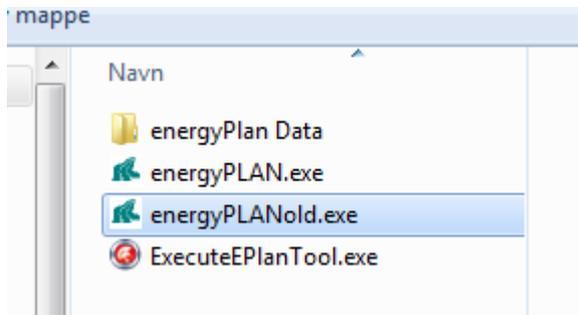
When the help toll is activated the following screen will appear:



One has to follow the three steps show on the screen.

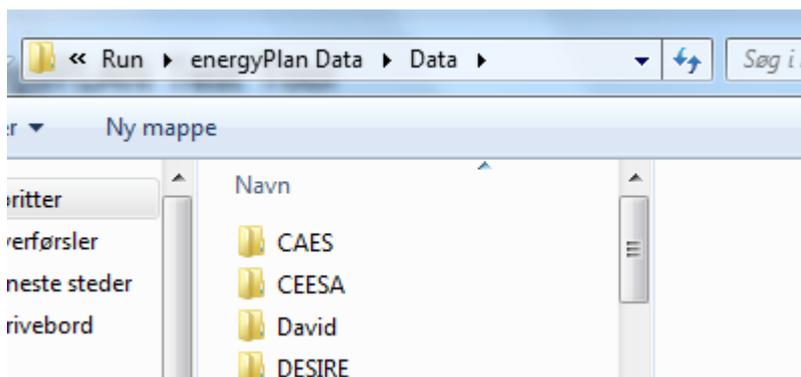
Step 1:

Selecting the two versions of the EnergyPLAN model by pressing the “X Select” button and the following window will show:



Step 2:

Selecting input data files by pressing the “X Select” buttons and the following window will show:



Step 3:

Starting the test by activating the “Start test” button.

Now the help tool will open the one version of the EnergyPLAN model, which will load the indata file, make the calculations and store the results on the file “ExecuteToolDataTransport” which will be located in the “EnergyPlan Data” directory. The help tool will then close the EnergyPLAN model and read and store the results.

The above procedure will be repeated for the next version of the EnergyPLAN model and for all the specified input data files.

The results

After each input data file the help tool will show the main results on the screen in terms of either an “OK” (as shown below) or a count of the number of differences in the results.

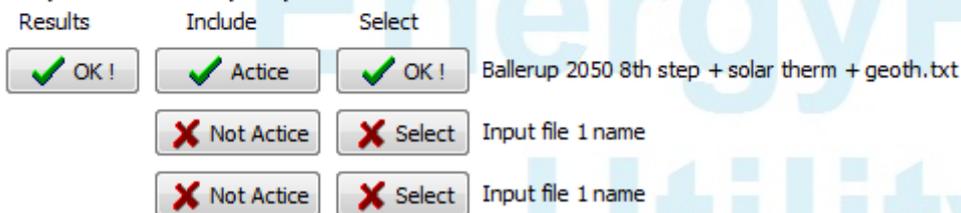
EnergyPLAN Test Tool

The tool execute two different versions of the EnergyPLAN tool and compare and identify differences in

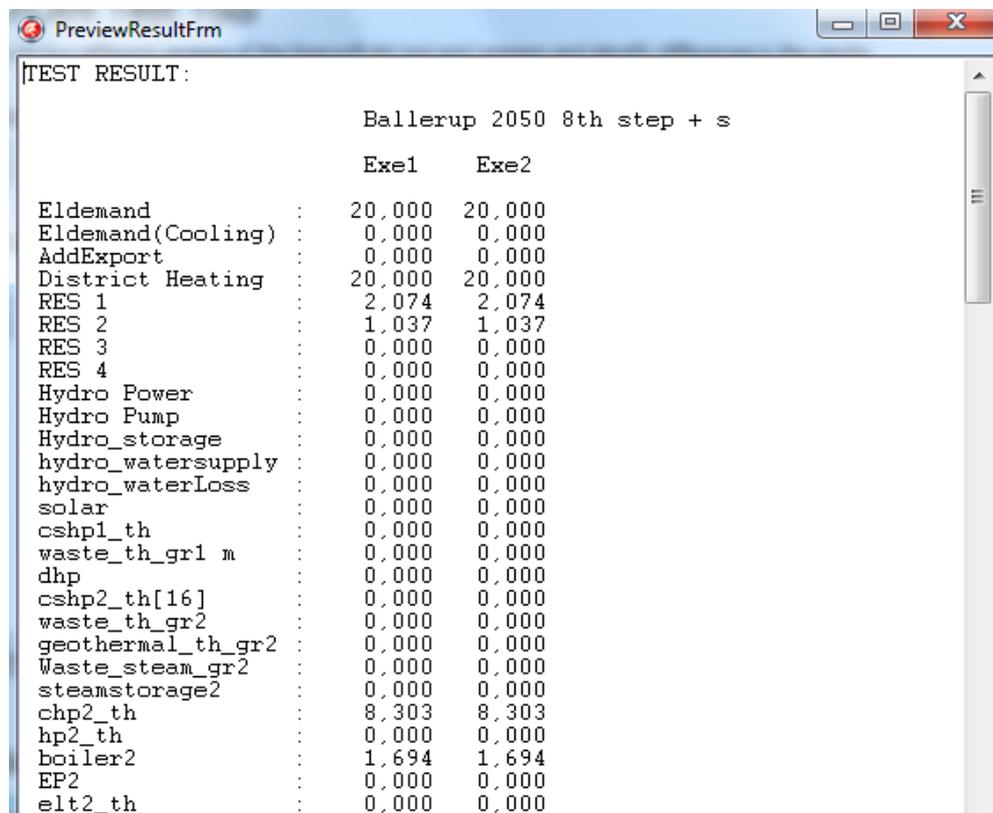
Step 1: Indentify the two versions of EnergyPLAN



Step 2: Indentify Input Data Files for the test



To see the details of the result one has to activate the  button in the upper left corner and the following window will appear:



Any difference in the results will be clearly marked.