



EBS & MAED

Hands-on 1: Energy Balance Studio Installation

Learning outcomes

By the end of this exercise, you will be able to:

- 1) Prepare your computer for installation of Energy Balance Studio
- 2) Install Energy Balance Studio on Windows
- 3) Install Energy Balance Studio on Mac
- 4) Create a New Case Study in Energy Balance Studio

Preparing your computer for installation of Energy Balance Studio (EBS)

If EBS is already installed, and if the user wants to replace the version on their computer, please make sure that all case studies are backed-up in a different folder than the EBS installation folder. It is possible to have multiple instances of EBS installed on one machine – but in different folders/directories.

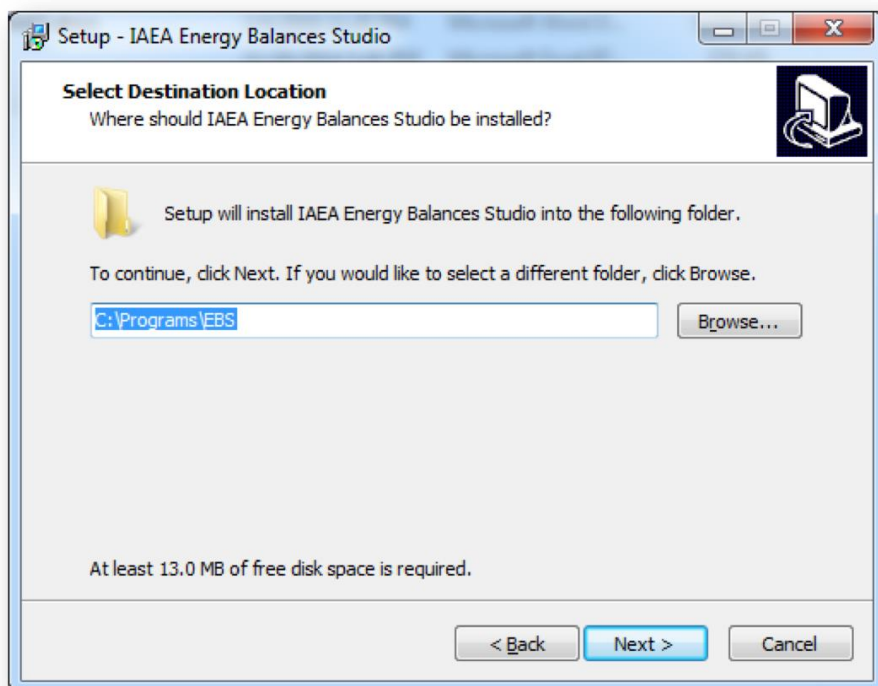
EBS requires Java to be installed on the computer. If Java is not already installed, during installation the software will try to automatically download and install Java. For this procedure to be successful, the user must have an internet connection. If connection is not available at the time of installation, the user may still install Java by using the Java Offline Installer (to be downloaded and run before the EBS installation).

Installing Energy Balance Studio on Windows

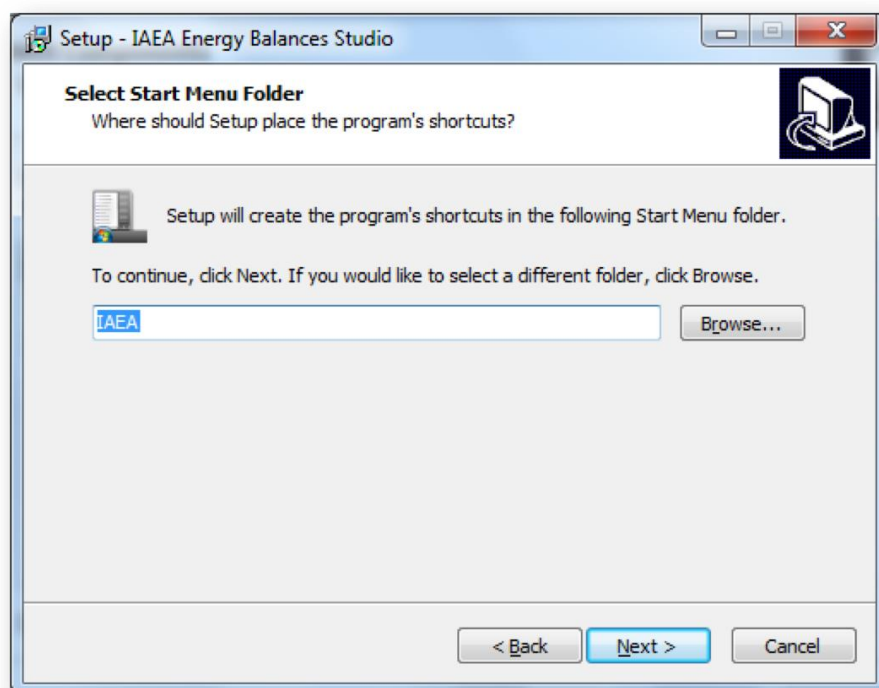
The installation of the EBS software is straightforward. The user has to start the installation file EbsSetup.exe and follow the steps listed below. It is recommended to install it as the standard installation.

Please note that the user must have administrative rights to install EBS. EBS can be installed in any folder according to the user preferences. However, it is recommended **NOT TO** install it into the “Programme Files” folder to avoid some operational issues. The user may create a new folder, e.g., “C:\Programs\EBS” and install the software there.

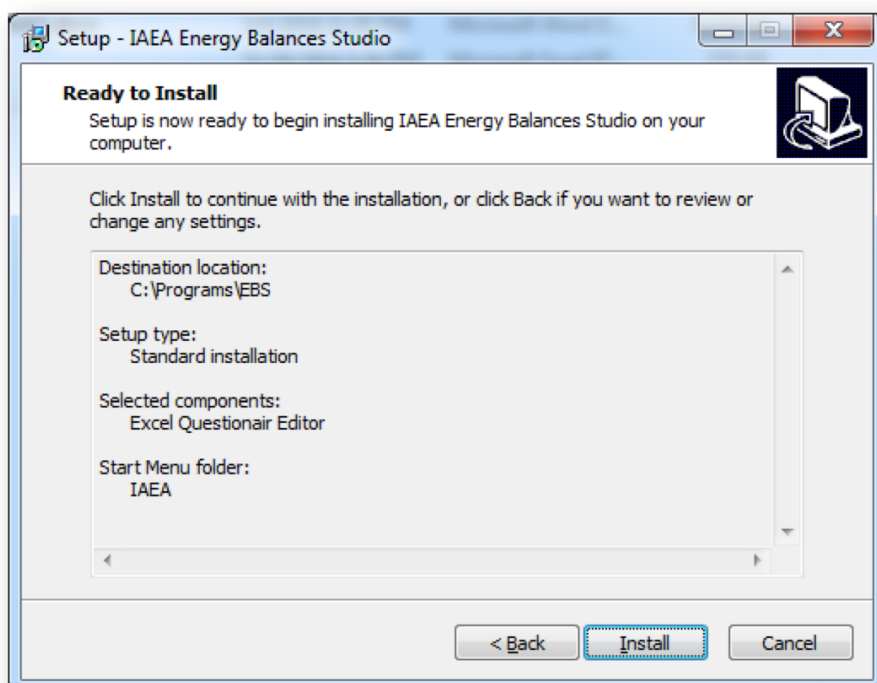
Select the folder to install EBS.



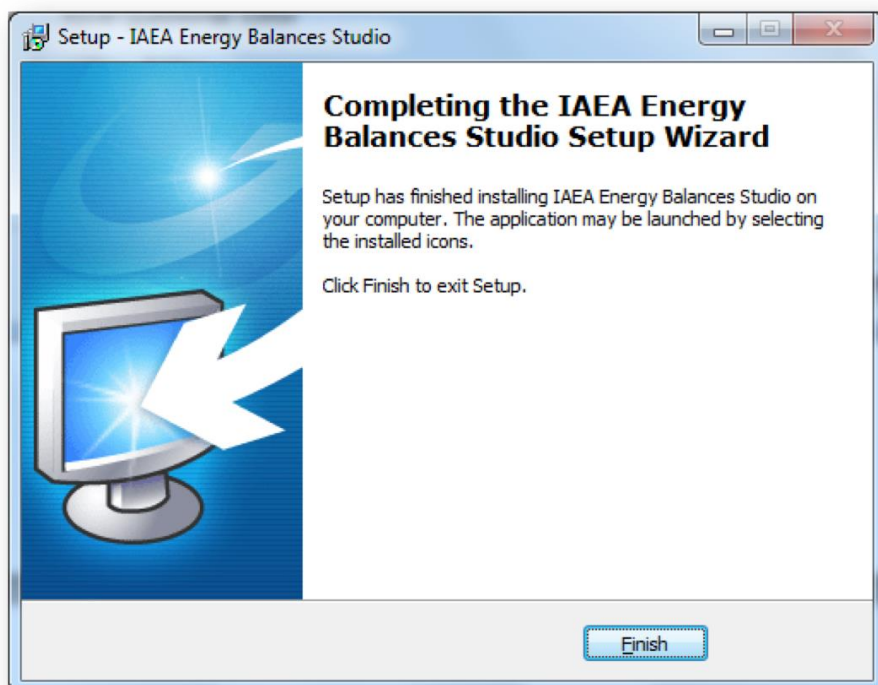
Choose where to create the programme's shortcut (default is IAEA group)



Confirm installation.



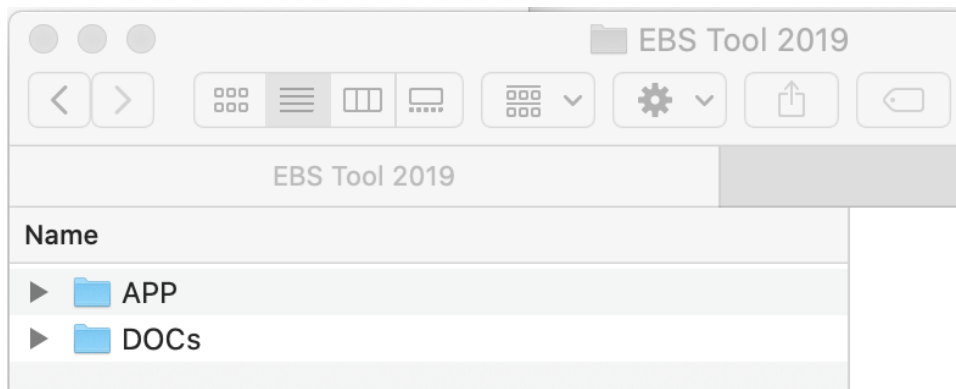
EBS is Successfully Installed.



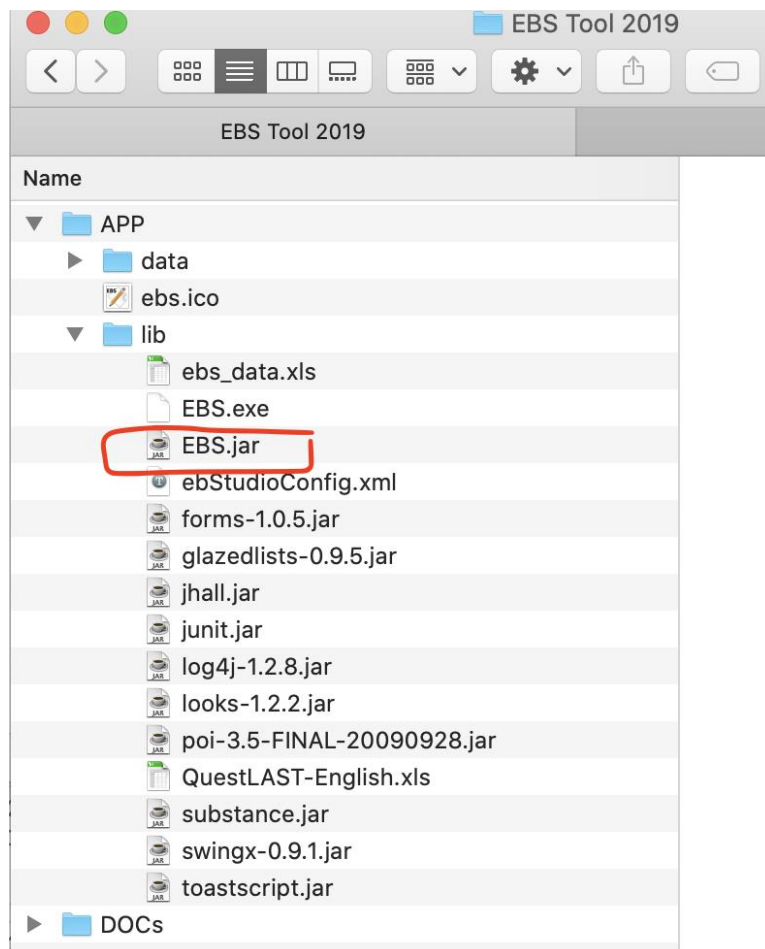
After the installation is complete there will be a link to the programme visible under the Start-up menu. No desktop shortcut is created during the installation; however, the user can create this themselves.

Installing Energy Balance Studio on Mac

For Mac, grab all subfolders in “ESB Tool 2019” and copy it to machine.



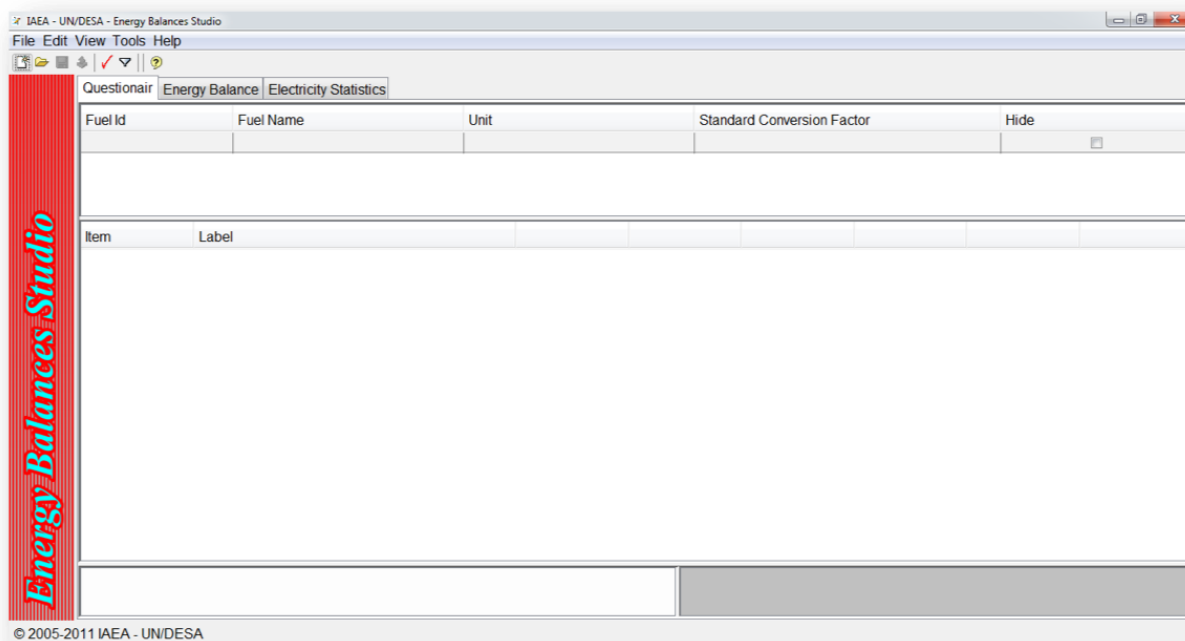
Go to folder “APP”, subfolder “lib”, locate file “ebs.jar” and run it.



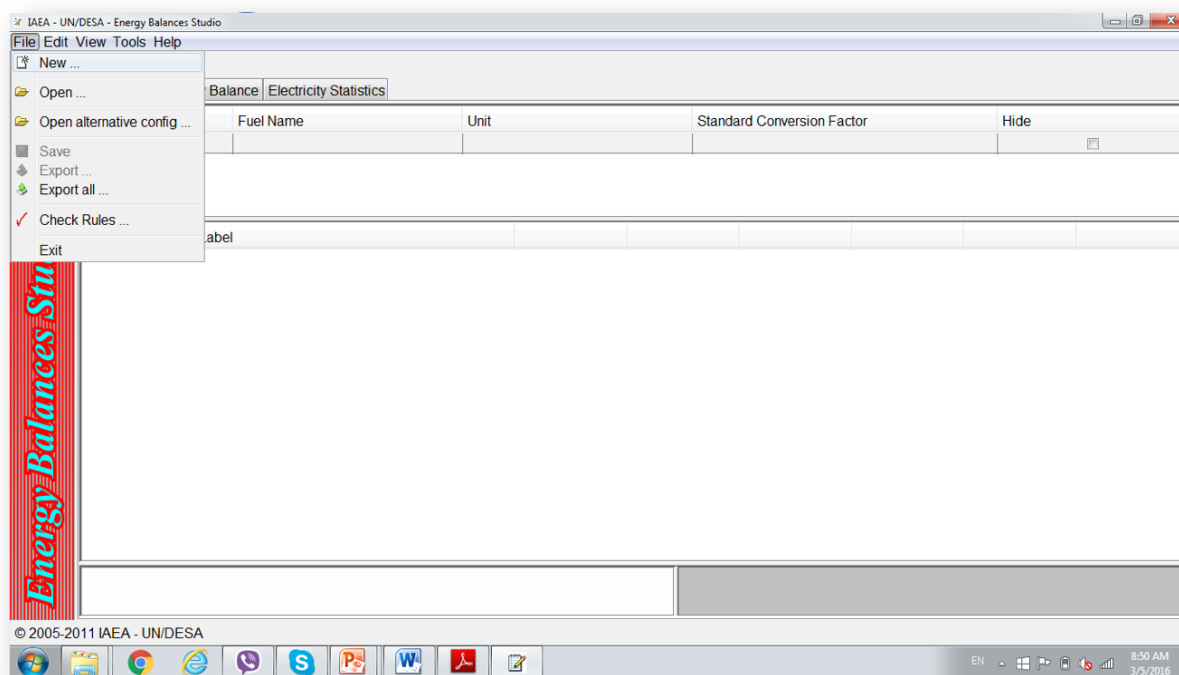
EBS should open.

Creating a new case study in Energy Balance Studio

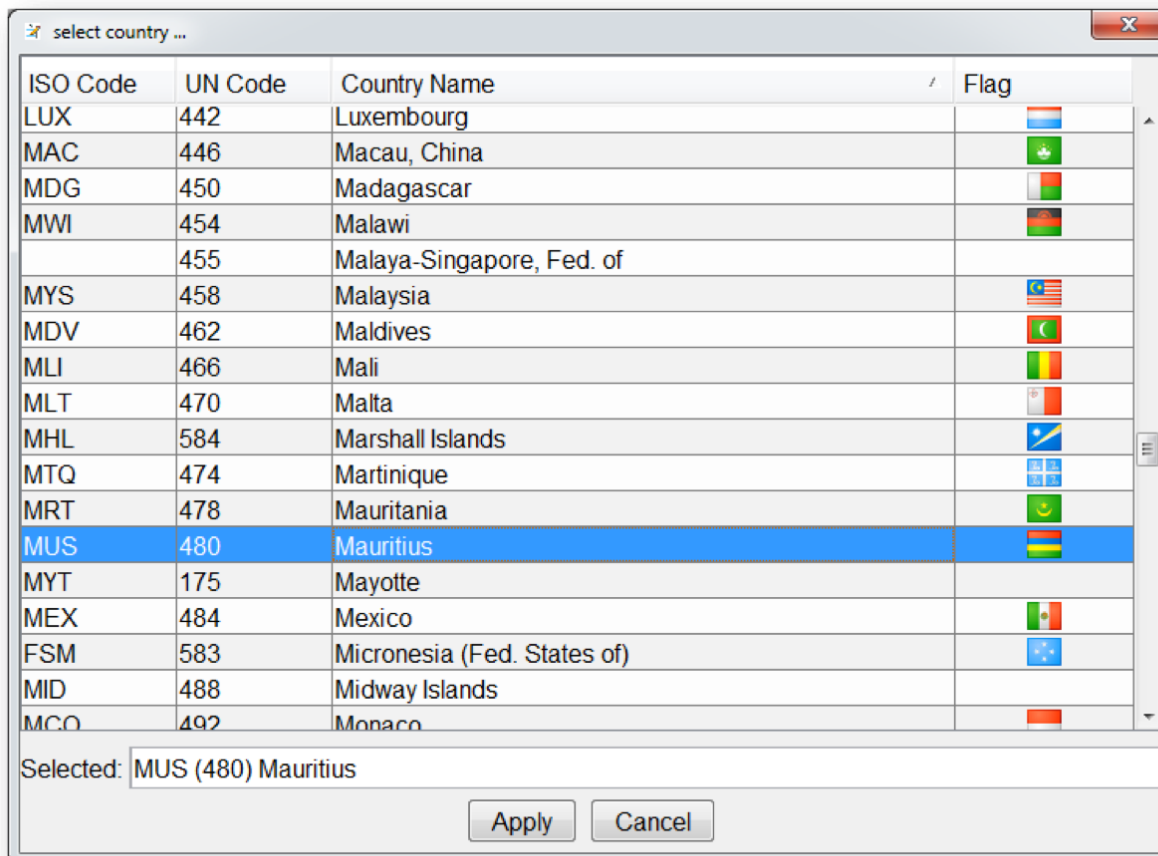
Open EBS. You should see a window like this:


















To create a new case, click File > New.



For this example, the case study will be in Mauritius. Please select Mauritius from the drop-down menu and click apply.

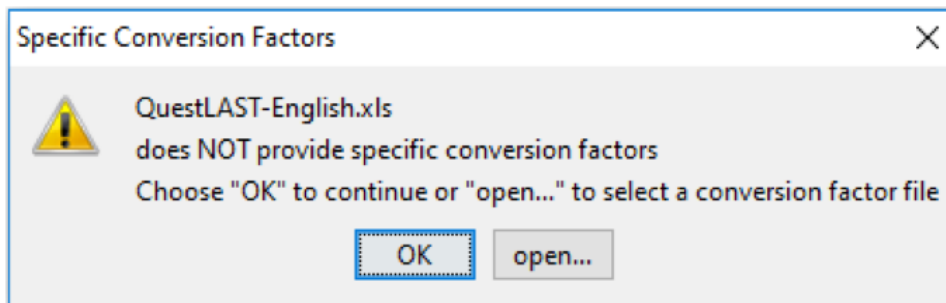


ISO Code	UN Code	Country Name	Flag
LUX	442	Luxembourg	
MAC	446	Macau, China	
MDG	450	Madagascar	
MWI	454	Malawi	
	455	Malaya-Singapore, Fed. of	
MYS	458	Malaysia	
MDV	462	Maldives	
MLI	466	Mali	
MLT	470	Malta	
MHL	584	Marshall Islands	
MTQ	474	Martinique	
MRT	478	Mauritania	
MUS	480	Mauritius	
MYT	175	Mayotte	
MEX	484	Mexico	
FSM	583	Micronesia (Fed. States of)	
MID	488	Midway Islands	
MCO	492	Monaco	


Selected: MUS (480) Mauritius

Apply Cancel

An alert will pop-up.



Specific Conversion Factors

 QuestLAST-English.xls does NOT provide specific conversion factors
Choose "OK" to continue or "open..." to select a conversion factor file

OK open...

This is to inform you that the UNSD Questionnaire file "QuestLAST-English.xls" does not contain information on specific conversion factors. If it is the case that the user has a separate file containing



specific conversion factors, those can be read from the file by choosing "Open". In this exercise, we will select "OK" and will add/edit specific conversion factors later.

Click "OK".

Your case has been created:

IAEA - UN DESA - Energy Balances Studio - Mauritius (480)

File Edit View Tools Help

E. Quest E Balance 2011 E Balance 2012 E Balance 2013 E Balance 2014 E Balance 2015 E Balance 2016 Electricity Statistics

Fuel Id	Fuel Name	Unit	Standard Conversion Factor	Hide
CL	Hard Coal	Metric tons, thousand (WSR)	25.8	<input checked="" type="checkbox"/>
AT	Anthracite	Metric tons, thousand (WSR)	26.7	<input type="checkbox"/>
CC	Coking coal	Metric tons, thousand (WSR)	28.2	<input type="checkbox"/>
OB	Other bituminous coal	Metric tons, thousand (WSR)	25.8	<input type="checkbox"/>

Item	Label	2011	2012	2013	2014	2015	2016
CL01	Production						
CL022	Receipts from other sources						
CL03	Imports						
CL04	Exports						
CL051	International marine bunkers						
CL06	Stock changes						
CLG6	Total energy supply	0	0	0	0	0	0
CLSD	Statistical differences	0	0	0	0	0	0
CL08	Transformation	0	0	0	0	0	0
CL088	Transformation in electricity, CHP and heat plants						
CL08811	Electricity plants - Main activity producers						
CL08812	Electricity plants - Autoproductors						
CL08821	CHP plants - Main activity producers						
CL08822	CHP plants - Autoproductors						
CL08831	Heat plants - Main activity producers						

Hard coal SIEC code: 01 - Coals with a gross calorific value (moist, ash-free basis) which is not less than 24 MJ/kg or which is less than 24 MJ/kg provided that the coal has a vitrinite mean random reflectance greater than or equal to 0.6 per cent. Hard coal comprises anthracite and bituminous.

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