

About the

“Energy and Environment Data Reference Bank”

EEDRB

IAEA Nuclear Knowledge Desk, November 2005

NE - Nuclear Knowledge Management Unit

IAEA, Vienna, Austria

About the Statistical Energy & Environment Data Reference Bank

This compilation of energy and environment related indicators and statistical data has been assembled from open sources that are available on the Internet. The materials are presented as a courtesy to anybody who needs to get a quick and comprehensive overview in this area. We can not make any claims concerning the correctness of these data, since we are not affiliated with the data originators. Where available, several sources are quoted for comparison.

The following text identifies the sources that were used for the data compilation, together with some comments about their contents. The IAEA does neither endorse nor rate any of the sources quoted.

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1. Basic characteristics of the selected sources

1. [World Bank Group - Data and Statistics](http://www.worldbank.org/data/) (www.worldbank.org/data/),
2. [CIA - The World Factbook](http://www.odci.gov/cia/publications/factbook) (www.odci.gov/cia/publications/factbook),
3. [U.S. DOE Energy Information Administration](http://www.eia.doe.gov/) (www.eia.doe.gov/),
4. [IEA Energy Information Centre](http://www.iea.org/Textbase/subjectqueries/index.asp) (www.iea.org/Textbase/subjectqueries/index.asp),
5. [IAEA PRIS Online](http://www.iaea.or.at/programmes/a2/) (www.iaea.or.at/programmes/a2/),
6. [BP World Energy 2003 Full report and history series](http://www.bp.com/statisticalreview2004) (www.bp.com/statisticalreview2004),
7. [Eurostat-Free data](http://europa.eu.int/comm/eurostat/) (europa.eu.int/comm/eurostat/ and press DATA link)

Data from these sources were extracted during August/September/October 2004 and updated in August/September 2005.

1.1 World Bank Group - Data and Statistics

URL: <http://www.worldbank.org/data/>

This source provides the user with the World Bank's World Development Indicators (WDI), an annual compilation of data about development – more than 50 items on people, environment, economy and technology & infrastructure of each country.

These data are used as a reference source for the General Information section of the EEDRB.

1.2 CIA - The World Factbook

URL: <http://www.odci.gov/cia/publications/factbook>

The CIA FB is an online accessible publication giving a solid background overview on every country of the world. This information has the form of a structured text, covering topics on geography, people, government, economy, communications, and transportation, military and transnational issues. The Factbook is in the public domain. Accordingly, it may be copied freely without permission of the US Central Intelligence Agency (CIA).

1.3 U.S. DOE Energy Information Administration

URL: <http://www.eia.doe.gov/>

This source concentrates on internal issues of the U.S. energy sector, but offers also comprehensive and updated overview of the international energy trends for production, consumption, imports and exports of primary energy commodities in over 220 countries. The information is both analytical in the form of Country Analysis Briefs and statistical supplied as tables in files in xls or pdf formats. This source refers to the IEA (see below) for some data.

1.4 IEA Energy Information Centre

URL: <http://www.iea.org/Textbase/subjectqueries/index.asp>

This source publishes world energy statistics containing timely, clearly presented data on the supply, transformation and consumption of all major energy sources. This data collection is most reliable for IEA member states, but is available for non-member states as well. IEA is an autonomous body of the Organization for Economic Co-operation and Development.

1.5 IAEA PRIS Online

URL: <http://www.iaea.or.at/programmes/a2/>

This Power Reactor Information System (PRIS) allows online access to operating information of nuclear power plants in IAEA Member States since the late 1960s. The data are provided by the Member States in response to annual questionnaires.

This source covers only part of the data needed, but it is important as a collection of officially submitted data from Member States.

1.6 BP World Energy 2003 Full report and history series

URL: <http://www.bp.com/statisticalreview2004>

The British Petroleum Company publicly presents this Statistical Review of World Energy on the company's Web pages.

1.7 Eurostat-Free data

URL: <http://europa.eu.int/comm/eurostat/> and press DATA link

Eurostat publishes data on 25 countries of the European Union. In some tables they present data relative to the EU total, which makes the materials inconvenient to use with data from other sources. It only covers the 25 EU member countries and in some cases U.S.A. and Japan – for comparison mostly.

2. References and data conversion

The EEDRB web site links the references of the data sources to the web sites of the respective data providers. These links lead not necessarily to the exact location of specific data values, and it is left to the users to explore the web sites of the data providers according to need and interest. In particular it is possible that some of the quoted data values are no longer online.

The data providers publish data in a variety of units. The entries in the EEDRB have been converted to standard units, where necessary. A useful resource of conversion factors can be found at:

<http://www.bp.com/extendedsectiongenericarticle.do?categoryId=9003091&contentId=7005940>