

Statistical Review of World Energy, Energy Institute

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Summary

The Statistical Review analyzes data on world energy markets and provides data to the energy community since 1952. Data compilation is done by the Centre for Energy Economics Research and Policy at Heriot-Watt University. An advisory board has also been established, bringing together leaders and experts to provide strategic oversight of the publication.

There are 18 tables from the Statistical Review of World Energy, Energy Institute. 8 are preprocessor and 10 are not.

Tables In IFs

Variable	Definition	Years	UsedInPreprocesspr	UsedInPreprocessor	FileName	Name In Source	Formula	Extended Source Definition/Units
EnConHydroBP	Hydro-electricity consumption	1965-2022	1	ENERGY		Hydroelectricity - Consumption	* 0.1634	Data in Exajoules
EnConNucBP	Nuclear-electricity consumption	1965-2022	1	ENERGY		Nuclear Energy - Consumption	* 0.1634	Data in Exajoules
EnProdCoalBP	Coal production	1981-2022	1	ENERGY		Coal - Production	* 0.004789	Data in Million tonnes
EnProdGasBP	Gas (natural) production	1970-2022	1	ENERGY		Gas - Production	* 0.006373	Data in Billion cubic metres
EnProdOilBP	Oil production	1965-2022	1	ENERGY		Oil - Production	* 0.00684	Data in million tonnes of oil equivalent
EnReserGasBP	Gas (natural) reserves	1980-2020	1	ENERGY		Gas - Proved Reserves	* 6.373	Data in Trillion cubic metres
EnReserOilBP	Oil reserves	1980-2020	1	ENERGY		Oil - Proved Reserves		Data in thousand million barrels
EnConCoalBP	Coal consumption	1965-2017	0			Coal - Consumption		Data in million tonnes of oil equivalent
EnConGasBP	Natural gas consumption	1965-2017	0			Gas - Consumption		Data in million tonnes of oil equivalent
EnConGeothBioBP	Geothermal, biomass and other renewable energy consumption	1965-2017	0			Renewables - Geothermal, Biomass and Other		Data in million tonnes of oil equivalent
EnConOilBP	Oil consumption	1965-2017	0			Oil - Consumption		Data in million tonnes of oil equivalent
EnConSolarBP	Solar energy consumption	1965-2017	0			Renewables - Solar Consumption		Data in million tonnes of oil equivalent
EnConWindBP	Wind energy consumption	1965-2017	0			Renewables - Wind Consumption		Data in million tonnes of oil equivalent
EnInstGeothermalBP	Cumulative installed geothermal power capacity	1975,1980,1985,1990,1995,2000-2017	0			Renewable energy - geothermal ; Cumulative installed geothermal power capacity		Data in megawatts
EnInstSolarBP	Cumulative installed photovoltaic (PV) power	1996-2017	0			Renewable energy - solar; Cumulative installed photovoltaic (PV) power		Data in megawatts
EnInstWindBP	Cumulative installed wind turbine capacity	1995-2017	0			Renewable energy - solar; Cumulative installed wind turbine capacity		Data in megawatts
EnProdBioBP	Biofuels production	1990-2017	0			Renewables - Biofuels production		Data in thousand tonnes of oil equivalent
EnReserCoalBP	Coal reserves	2007-2014	1	ENERGY		Coal - Proved Reserves		Data in million tonnes of oil equivalent

Data Pulling Instructions

- For the BP energy data, pull it from the BP website Resources and data downloads | Statistical Review of World Energy (energyinst.org)
 - Download: Statistical Review of World Energy Data
- The Name in Source is the sheet name that the data will be in. In the "Contents" tab each type of energy is linked.
 - For example, Hydroelectricity - Consumption is under "Hydroelectricity - Consumption - Exajoules (from 1965)" in the Contents tab and the sheet name is Hydro Consumption - EJ.
- When preparing the data, please compare the units from the original source and the units in the DataDict. Use the BBOE_UnitConversions.xlsx to transform the data to unified units (BBOE) in IFs. The latest update date for the BBOE_UnitConversion was 2024/02/12.

- For example, the unit for oil production is in MTOE (Million tonnes of oil equivalent). It needs to convert that to BBOE (Billion Barrels of Oil Equivalent), which is why it needs to be multiply by those numbers in the Formula.
- The conversion factors can be found here: [Unit Converter – Data Tools - IEA or https://www.convert-me.com/en/convert/energy/?u=bboe&v=1](https://www.convert-me.com/en/convert/energy/?u=bboe&v=1)

Data Notes

- *Russian Federation, it was called the USSR before 1991 and we need to consolidate it into one country when pulling the data.*

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This page was last edited on 2 July 2025, at 20:06.