

# Glossary:Gigawatt hours (GWh)

Statistics Explained

**Gigawatt hours** , abbreviated as **GWh** , is a unit of energy representing one billion (1 000 000 000) watt hours and is equivalent to one million [kilowatt hours](#) . Gigawatt hours are often used as a measure of the output of large electricity power stations. A kilowatt hour is equivalent to a steady power of one kilowatt running for one hour and is equivalent to 3.6 million joules or 3.6 megajoules.

## Related concepts

- [Gigajoule](#)
- [Kilowatt hours](#)

## Statistical data

- [Electricity production, consumption and market overview](#)

## Source

- [Bureau International des Poids et Mesures SI units](#)