

SDG Goal 7 Affordable and clean energy

SDG Target 7.3 By 2030, double the global rate of improvement in energy efficiency

SDG Indicator 7.3.1 Energy intensity measured in terms of primary energy and GDP

1. Name of data series	
Energy intensity measured in terms of primary energy and GDP	
Compliant with SDG metadata: yes, but GDP is measured in constant Euro	SDG Metadata

2. Definition of indicator
The indicator depicts how much primary energy is used to produce one unit of economic output measured by gross domestic product (GDP). It is a proxy of the efficiency with which an economy is able to convert energy into economic output. A lower ratio indicates that less energy is needed to produce one additional unit of output.
3. Comparison with SDG metadata (as of 12/12/2017)
The indicator perfectly covers its SDG pendant with the only exception that GDP is not measured at purchasing power parity but in constant Euro.

4. Data description	
<p>The data on total primary energy supply (TPES) is taken from the national energy balances calculated by the Working Group on Energy Balances (AGEB) as a secondary statistic. The source data is compiled from several official and private institutions like the Federal Statistical Office or the Association of the German Petroleum Industry (MWV). TPES is defined as the production of energy plus net imports minus international marine and aviation bunkers plus changes.</p> <p>The data on GDP is calculated by the Federal Statistical Office's National Accounts as a secondary statistic. GDP is adjusted based on a price base changing every year (previous year's price base). After several revisions due to new data input, final results are available four years after the first preliminary release.</p>	
5. Calculation method	
$\text{Energy intensity} = \frac{\text{TPES}}{\text{GDP}}$	
6. Unit of measure	Mega Joule/ Euro

7. Timeliness	8. Frequency
GDP: t + 15 days TPES: t + 3 months	Annual
9. Last regular revision	10. Revised period
2014	2010-2014

11. Accessibility of source data
<p>GDP (Only available in German): https://www.destatis.de/DE/Themen/Wirtschaft/Volkswirtschaftliche-Gesamtrechnungen-Inlandsprodukt/_inhalt.html</p> <p>TPES: https://ag-energiebilanzen.de/10-1-Evaluation-Tables-on-the-Energy-Balance.html</p>
12. Metadata on source data
<p>GDP (Only available in German): https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Volkswirtschaftliche-Gesamtrechnungen/einfuehrung.html</p> <p>TPES: https://ag-energiebilanzen.de/36-1-Preface.html</p>
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
Not applicable

For more information please contact:
<https://www.destatis.de/EN/Service/Contact/Contact.html>