



EEA 2024 proxies on primary and final energy consumption

The recast Energy Efficiency Directive (EU) 2023/1791 sets a binding target for 2030 of 763 million tonnes of oil equivalent (Mtoe) for final energy consumption (FEC), and an indicative target of 992.5Mtoe for primary energy consumption (PEC).

Since early access to the most recent information on energy consumption is relevant for all stakeholders, the EEA and its European Topic Centre for Climate Change Mitigation and Energy (ETC/CME) produce each year a set of early estimates concerning the consumption of primary and final energy in the previous year, across the EU as a whole and in each Member State. These estimates are compatible with the scope of the energy efficiency targets for 2020 and 2030, and they correspond to the indicator codes PEC2020-2030 and FEC2020-2030 from Eurostat.

The current data set covers the EEA 2024 approximated data on primary and final energy consumption (PEC2020-2030; FEC2020-2030).

Simple

Identification info

Date (Creation)	2025-10-01T07:57:31+00:00
Date (Publication)	2025-11-05
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Identifier

Code	10.2909/31d057b6-6896-4724-a7f7-f920e90ed4f0
Codespace	doi.org
Description	Digital Object Identifier (DOI)

Purpose	Million tonnes of oil equivalent (Mtoe).
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Point of contact	Organisation	Individual	Electronic mail address	Website	Role
	European Environment Agency				Point of contact
	European Environment Agency			http://www.eea.europa.eu/#organization	Distributor
	European Topic Centre on Climate Change Mitigation and Energy (ETC/CME)			https://www.eionet.europa.eu/etcs/etc-cme	Processor

Topic category	<ul style="list-style-type: none"> Environment
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Extent

Temporal extent

Time period	2024-01-01 2024-12-31
Maintenance and update frequency	Annually
EEA topics	<ul style="list-style-type: none"> • Energy • Climate mitigation
GEMET	<ul style="list-style-type: none"> • energy
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • Italy • Spain • Lithuania • Slovenia • Poland • Ireland • France • Finland • Croatia • Czechia • Denmark • Greece • Luxembourg • Slovakia • Netherlands • Portugal • Belgium • Romania • Hungary • Cyprus • Germany • Estonia • Latvia • United Kingdom • Sweden • Malta • Austria • Bulgaria

Resource constraints

Use limitation	License CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/). Copyright holder: Directorate-General for Environment (DG ENV).
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Resource constraints

Access constraints	Other restrictions
Other constraints	No limitations to public access

Language	English
Additional Information	The energy consumption approximated data for 2023 are presented per Member State, and for the EU as a whole, as primary and final energy consumption expressed in Million tonnes of oil equivalent (Mtoe). The EEA 2023 approximated data on primary and final energy consumption formed the basis of a specific EEA country consultation. Where national data were provided during the consultation, they have been used. Nevertheless, these early estimated values do not substitute official data that Member States report to Eurostat and to the European commission in the context of their legal obligations.

Distribution Information

Distribution format	<ul style="list-style-type: none"> • ascii (.csv, .txt, .sql)
OnLine resource	https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_proxies-primary-consumption-2024_p_2024_v01_r00
OnLine resource	Direct download
OnLine resource	Primary and final energy consumption in Europe

	EEA Indicator
OnLine resource	Trends and projections in Europe 2025 EEA Report
OnLine resource	Digital Object Identifier (DOI)

Resource lineage

Statement	EEA approximate data are estimated using an array of methods and sources. This includes, in order of priority, direct consultation with Member States, official national statistics, unofficial dataset, grey literature and mathematical interpolation. The amount and quality of available data differs by countries and categories.
Hierarchy level	Dataset

Metadata

Metadata identifier	31d057b6-6896-4724-a7f7-f920e90ed4f0										
Language	English										
Character encoding	UTF8										
Contact	<table border="0"> <thead> <tr> <th>Organisation</th> <th>Individual</th> <th>Electronic mail address</th> <th>Website Role</th> </tr> </thead> <tbody> <tr> <td>European Environment Agency</td> <td></td> <td>sdi@eea.europa.eu</td> <td>Point of contact</td> </tr> </tbody> </table>	Organisation	Individual	Electronic mail address	Website Role	European Environment Agency		sdi@eea.europa.eu	Point of contact		
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Type of resource

Resource type	Non geographic dataset
Name	Tabular dataset
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/31d057b6-6896-4724-a7f7-f920e90ed4f0
Date info (Creation)	2025-11-06T09:55:56.881002Z
Date info (Revision)	2025-11-26T10:24:37.476968Z

Metadata standard

Title	ISO 19115-3:2018
Edition	1.0

Overviews

Queries

	CountryShort	CountryLong	Year	ValueDescription	ValueNumeric	Unit	Data_source
1	AT	Austria	2022	PEC2020-2030	3012	Mtoe	EEA
2	BE	Belgium	2022	PEC2020-2030	44713	Mtoe	EEA
3	BG	Bulgaria	2022	PEC2020-2030	19641	Mtoe	EEA
4	CY	Cyprus	2022	PEC2020-2030	2445	Mtoe	EEA
5	CZ	Czech Republic	2022	PEC2020-2030	39725	Mtoe	EEA
6	DE	Germany	2022	PEC2020-2030	253297	Mtoe	EEA
7	DK	Denmark	2022	PEC2020-2030	15819	Mtoe	EEA
8	EE	Estonia	2022	PEC2020-2030	4677	Mtoe	EEA
9	ES	Spain	2022	PEC2020-2030	112177	Mtoe	EEA
10	FI	Finland	2022	PEC2020-2030	29902	Mtoe	EEA
11	FR	France	2022	PEC2020-2030	203499	Mtoe	EEA
12	GR	Greece	2022	PEC2020-2030	21505	Mtoe	EEA
13	HR	Croatia	2022	PEC2020-2030	8288	Mtoe	EEA
14	HU	Hungary	2022	PEC2020-2030	23645	Mtoe	EEA
15	IE	Ireland	2022	PEC2020-2030	14662	Mtoe	EEA
16	IT	Italy	2022	PEC2020-2030	142622	Mtoe	EEA
17	LT	Lithuania	2022	PEC2020-2030	6366	Mtoe	EEA
18	LU	Luxembourg	2022	PEC2020-2030	3937	Mtoe	EEA
19	LV	Latvia	2022	PEC2020-2030	4295	Mtoe	EEA
20	MT	Malta	2022	PEC2020-2030	872	Mtoe	EEA
21	NL	Netherlands	2022	PEC2020-2030	55048	Mtoe	EEA

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