



EEA 2023 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 2023 approximated data on primary and final energy consumption (PEC2020-2030; FEC2020-2030).

Simple

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Purpose	Million tonnes of oil equivalent (Mtoe).				
Point of contact	Organisation name	Individual name	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

Point of contact

No information provided.

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Keywords	
Keywords	

GEMET	energy		
Continents, countries, sea regions of the world.	Lithuania Latvia Malta Belgium Bulgaria Portugal Italy Cyprus France Estonia United Kingdom Finland Sweden Austria Spain Ireland Netherlands Denmark Germany Czechia Slovenia Luxembourg Slovakia Greece Poland Romania Hungary Croatia		
Use limitation	EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged (http://www.eea.europa.eu/legal/copyright). Copyright holder: Directorate-General for Environment (DG ENV).		
Access constraints	Other restrictions		
Other constraints	No limitations to public access		
Language of dataset	English		
Topic category	Environment		
Begin date	2023-01-01		
End date	2023-12-31		
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 format	Microsoft Excel (.xls, .xlsx) ()		
OnLine resource	Protocol EEA:FOLDERPATH WWW:URL WWW:LINK-1.0-http--link	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_proxies-primary-consumption-2023_p_2023_v01_r00/ https://sdi.eea.europa.eu/data/9defe4a8-6baa-45f1-ac7d-6881a39932e1 https://www.eea.europa.eu/data-and-maps/daviz/primary-energy-consumption-and-linear-1#tab-chart_1	Name Direct download Primary energy consumption and linear trajectory levels to reach 2020 targets, 2017 and 2018

WWW:LINK-1.0-http--link	https://www.eea.europa.eu/en/analysis/indicators/primary-and-final-energy-consumption	Primary and final energy consumption in Europe
WWW:LINK-1.0-http--link	https://www.eea.europa.eu/en/analysis/publications/trends-and-projections-in-europe-2024	Trends and projections in Europe 2024

OnLine resource

No information provided.

OnLine resource	Protocol	Linkage	Name
	DOI	https://doi.org/10.2909/9defe4a8-6baa-45f1-ac7d-6881a39932e1	
Hierarchy level	Dataset		
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.		

Metadata

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Metadata author	Organisation name European Environment Agency		Individual name	Electronic mail address sdi@eea.europa.eu
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Overviews

Queries

	AB _C CountryShort	AB _C CountryLong	1 ₂ Year	AB _C ValueDescription	1 ₂ ValueNumeric	AB _C Unit	AB _C 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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