

Article 24 (1) and Annex XIV Energy Efficiency Directive 2012/27/EU

Please, fill in the grey fields. It can be chosen if Eurostat data or data based on national statistics is provided. Please, fill in table 1 if data from ESTAT is reported. If reported data is based on national statistics, please, fill in table 2 and provide definitions for all data fields. Information has to be provided always for data fields 34-74.

Annual Report	2015
Reporting year	2012, 2013
Member State	Estonia

Table 1 - Eurostat data

Number	2012	2013	AR Indicator	EUROSTAT indicator(s)	EUROSTAT database table	EUROSTAT Code	field/product(s)	unit(s)	last update	SWD(2013)180, Annex A
1	6000	6500	(i) primary energy consumption	Primary Energy Consumption	Energy saving - annual data [eng_ind_334a]	B_100910	-	ktoe		
2	2871,2	2870,4	(ii) total final energy consumption	Final Energy Consumption	Supply, transformation, consumption - all products - annual data [eng_100a]	B_101700	All products	ktoe		No climate adjustment, see p. 39 SWD(2013)180, Annex A
3	573	644,5	(iii) final energy consumption - industry	Final Energy Consumption - Industry	Supply, transformation, consumption - all products - annual data [eng_100a]	B_101800	All products	ktoe		
4	791	762	(iii) final energy consumption - transport	Final Energy Consumption - Transport	Supply, transformation, consumption - all products - annual data [eng_100a]	B_101900	All products	ktoe		
5	0	0	final energy consumption in pipeline transport	Consumption in Pipeline transport	Supply, transformation, consumption - all products - annual data [eng_100a]	B_101945	All products	ktoe		Voluntary - See p. 39 SWD(2013)180, Annex A
6	972,1	934,8	(iii) final energy consumption - households	Residential	Supply, transformation, consumption - all products - annual data [eng_100a]	B_102010	All products	ktoe		
7	424,3	419	(iii) final energy consumption - services	Services	Supply, transformation, consumption - all products - annual data [eng_100a]	B_102035	All products	ktoe		
8	110,1	109,5	final energy consumption - agriculture	Agriculture/Forestry	Supply, transformation, consumption - all products - annual data [eng_100a]	B_102030	All products	ktoe		Voluntary
9	1507,2	1463,9	final energy consumption - other sectors	Final Energy consumption - Other sectors	Supply, transformation, consumption - all products - annual data [eng_100a]	B_102000	All products	ktoe		Voluntary
10	3438,6	3485,3	(iv) gross value added - industry	Industry (except construction) Construction	Gross value added and income by A*10 industry breakdowns [nama_10_a10]	- B-E - F	Value added, gross	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)		
11	7368,9	7581,0	(iv) gross value added - services	Wholesale and retail trade, transport, accommodation and food service activities Information and communication Financial and insurance activities Real estate activities Professional, scientific and technical activities; administrative and support service activities Public administration, defence, education, human health and social work activities Arts, entertainment and recreation; other service activities; activities of household and extra-territorial organisations and bodies	Gross value added and income by A*10 industry breakdowns [nama_10_a10]	- G-I - J - K - L - M_N - O-Q - R-U	Value added, gross	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)		
12	9 115		(v) disposable income for households	Disposable income, gross	Non-financial transactions [nfsa_wf_01]	Until 2012: S14 (if available) or S14_S15; From 2013 on: S14 only	"Households" (if available) or "Households; non-profit institutions serving households" (until 2017)	Million euro, current prices		Due to derogation for some MS granted by ESTAT
13	12786	13073,4	(vi) gross domestic product (GDP)	Gross domestic product at market prices	GDP and main components - volumes [nama_gdp_k]	B1GM	-	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)		
14	988	1093,7	(vii) electricity generation from thermal power generation	Gross electricity generation Main activity electricity only - Nuclear Gross electricity generation Main activity CHP plants - Nuclear Gross electricity generation Main activity CHP plants - Nuclear Gross electricity generation Main activity CHP plants - Nuclear Gross electricity generation Main activity electricity only - Geothermal Gross electricity generation Main activity electricity only - Combustible Fuels Gross electricity generation Main activity electricity only - Other Sources Gross electricity generation Main activity CHP plants - Geothermal Gross electricity generation Main activity CHP plants - Combustible Fuels Gross electricity generation Main activity CHP plants - Other Sources Gross electricity generation Autoproducer electricity only - Solar Thermal Gross electricity generation Autoproducer electricity only - Geothermal Gross electricity generation Autoproducer electricity only - Combustible Fuels Gross electricity generation Autoproducer electricity only - Heat from Chemical Sources Gross electricity generation Autoproducer electricity only - Other Sources Gross electricity generation Autoproducer CHP plants - Geothermal Gross electricity generation Autoproducer CHP plants - Combustible Fuels Gross electricity generation Autoproducer CHP plants - Heat from Chemical Sources Gross electricity generation Autoproducer CHP plants - Other Sources Gross electricity generation Autoproducer CHP plants - Solar Thermal	Supply, transformation, consumption - electricity - annual data [eng_105a]	- 15_107030 - 15_107031 - 15_107032 - 15_107033 - 15_107038 - 15_107048 - 15_107054 - 15_107039 - 15_107049 - 15_107055 - 14_1070422 - 15_107060 - 15_107050 - 15_107052 - 15_107056 - 15_107041 - 15_107053 - 15_107057 - 14_1070432	Electrical energy	ktep		
15	100,3	107,9	(viii) electricity generation from CHP	Gross electricity generation Main activity CHP plants - Nuclear Gross electricity generation Autoproducer CHP plants - Nuclear Gross electricity generation Main activity CHP plants - Geothermal Gross electricity generation Main activity CHP plants - Combustible Fuels Gross electricity generation Main activity CHP plants - Other Sources Gross electricity generation Autoproducer CHP plants - Geothermal Gross electricity generation Autoproducer CHP plants - Combustible Fuels Gross electricity generation Autoproducer CHP plants - Heat from Chemical Sources Gross electricity generation Autoproducer CHP plants - Other Sources	Supply, transformation, consumption - electricity - annual data [eng_105a]	- 15_107031 - 15_107033 - 15_107039 - 15_107049 - 15_107055 - 15_107041 - 15_107053 - 15_107057	Electrical energy	ktep		
16	584,5	549,8	(ix) heat generation from thermal power generation	Gross heat production Main activity heat only plants - Nuclear Gross heat production Autoproducer CHP plants - Nuclear Gross heat production Autoproducer heat only plants - Nuclear Gross heat production Main activity CHP plants - Geothermal Gross heat production Main activity CHP plants - Combustible Fuels Gross heat production Main activity CHP plants - Heat Pumps Gross heat production Main activity CHP plants - Electric Boilers Gross heat production Main activity CHP plants - Other Sources Gross heat production Main activity CHP plants - Solar Gross heat production Autoproducer CHP plants - Geothermal Gross heat production Autoproducer CHP plants - Combustible Fuels Gross heat production Autoproducer CHP plants - Heat Pumps Gross heat production Autoproducer CHP plants - Heat from Chemical Sources Gross heat production Autoproducer CHP plants - Solar Gross heat production Main activity heat only plants - Geothermal Gross heat production Main activity heat only plants - Solar Gross heat production Main activity heat only plants - Combustible Fuels Gross heat production Main activity heat only plants - Heat Pumps Gross heat production Main activity heat only plants - Electric Boilers Gross heat production Main activity heat only plants - Other Sources Gross heat production Autoproducer heat only plants - Geothermal Gross heat production Autoproducer heat only plants - Solar Gross heat production Autoproducer heat only plants - Combustible Fuels Gross heat production Autoproducer heat only plants - Heat Pumps Gross heat production Autoproducer heat only plants - Electric Boilers Gross heat production Autoproducer heat only plants - Heat from Chemical	Supply, transformation, consumption - heat - annual data [eng_106a]	- 15_107060 - 15_107061 - 15_107062 - 15_107063 - 15_107064 - 15_107072 - 15_107076 - 15_107080 - 15_107086 - 15_107068 - 15_107066 - 15_107074 - 15_107078 - 15_107082 - 15_107084 - 15_107088 - 15_107070 - 15_107065 - 15_107069 - 15_107073 - 15_107077 - 15_107081 - 15_107087 - 15_107067 - 15_107071 - 15_107075	Derived heat	ktep		
17			Waste heat produced in industrial installations	ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Voluntary - See p. 39 SWD(2013)180, Annex A
18	229,6	252,5	(x) heat generation from CHP	Gross heat production Main activity CHP plants - Nuclear Gross heat production Autoproducer CHP plants - Nuclear Gross heat production Main activity CHP plants - Geothermal Gross heat production Main activity CHP plants - Combustible Fuels Gross heat production Main activity CHP plants - Heat Pumps Gross heat production Main activity CHP plants - Electric Boilers Gross heat production Main activity CHP plants - Other Sources Gross heat production Main activity CHP plants - Solar Gross heat production Autoproducer CHP plants - Geothermal Gross heat production Autoproducer CHP plants - Combustible Fuels Gross heat production Autoproducer CHP plants - Heat Pumps Gross heat production Autoproducer CHP plants - Heat from Chemical Sources Gross heat production Autoproducer CHP plants - Other Sources	Supply, transformation, consumption - heat - annual data [eng_106a]	- 15_107060 - 15_107062 - 15_107064 - 15_107072 - 15_107076 - 15_107080 - 15_107086 - 15_107068 - 15_107066 - 15_107074 - 15_107078 - 15_107082 - 15_107084 - 15_107088 - 15_107070	Derived heat	ktep		
19			Waste heat recovered from industrial installations	ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Voluntary - See p. 39 SWD(2013)180, Annex A
20	447	377,5	(xi) fuel input for thermal power generation	- Transformation input - Nuclear Power Stations - Transformation input - Conventional Thermal Power Stations - Transformation input - District Heating Plants	Supply, transformation, consumption - all products - annual data [eng_100a]	- B_101002 - B_101001 - B_101009	All products	ktoe		
21	235	223	(xii) passenger kilometres (pkm)	Railway TRA_COV: Total transport Road VEHICLE: Total	Railway transport - Total annual passenger transport (1 000 pass, million pkm) [rail_pa_total] Passenger road transport on national territory, by type of vehicles registered in the reporting country	- TOTAL - TOTAL	-	Millions of passenger-kilometres Millions of passenger-kilometres		
22	8596,8	8764,7	thousand passenger	Domestic Maritime: ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Passenger transport at sea. Statistics Estonia: TS162. Data on passenger-km is not available
23	5179,3	3613,2	passenger kilometres (pkm)	- Total Aviation National: ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Freight transfer of Estonian Air Services. Statistics Estonia: TS191
24	1138337	1118453,1	passenger kilometres (pkm)	- Total Aviation International: ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Freight transfer of Estonian Air Services. Statistics Estonia: TS191
25	5 120	4 722	(xiii) tonnes kilometres (tkm)	Railway TRA_COV: Total transport Road TRA_OPER: Total - Total transport Waterway TRA_COV: Total transport	Railway transport - Goods transported, by type of transport (1 000 t, million km) [rail_go_typeall] Summary of annual road freight transport by type of operation and type of transport (1 000 t, Mio Tkm, Mio Veh-km) road so ta totl Transport by type of good (from 2007 onwards with NST2007) [www_go_ahyp0]	- TOTAL - TOTAL - TOTAL	-	Millions of Tonne-kilometre Millions of Tonne-kilometre Millions of Tonne-kilometre		
26	43519	42908	Thousand tonnes	Domestic Maritime: ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Freight transfer through Estonian ports. Statistics Estonia: TS17. Data on tonne-km is not available
27	0	0,3	tonnes kilometres (tkm)	- Total Aviation National: ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Freight transfer of Estonian Air Services. Statistics Estonia: TS191
28	625,1	1769,5	tonnes kilometres (tkm)	- Total Aviation International: ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Freight transfer of Estonian Air Services. Statistics Estonia: TS191
29	1 325 217	1 320 174	(xiv) population	Population on 1 January - total	Demographic balance and crude rates [demo_gind]	JAN	-	Persons		
30	597,3		Total number of households	ESTAT data not available. Please, provide national data with definitions/explanations in column K.						Total number of Households. Statistics Estonia: LEM01.
31	160	155,8	Energy transmission and distribution losses (all fuels)	Distribution Losses	Supply, transformation, consumption - all products - annual data [eng_100a]	B_101400	All products	ktoe		Voluntary - see p. 39 SWD(2013)180, Annex A
32	354,8	297,6	Heat generation from district heating plants	Transformation output - District Heating Plants	Supply, transformation, consumption - heat - annual data [eng_106a]	B_101109	Derived heat	ktoe		Voluntary - see p. 39 SWD(2013)180, Annex A

33			Fuel input in district heating plants	Transformation input - District Heating Plants	Supply, transformation, consumption - all products - annual data [mg_100a]	8_101009	All products	ktoe		Voluntary - see p. 39 SWD(2013)180, Annex A
	447	377,5								

Table 2 - Data based on national statistics

Number	Data field	AR Indicator	Unit	Source	SWD(2013)180, Annex A	Definition of provided national statistics
1_2		(i) primary energy consumption				
2_2		(ii) total final energy consumption			No climate adjustment, see p. 39 SWD(2013)180, Annex A	
3_2		(iii) final energy consumption - industry				
4_2		(iii) final energy consumption - transport				
5_2		final energy consumption in pipeline transport			Voluntary - See p. 39 SWD(2013)180, Annex A	
6_2		(iii) final energy consumption - households				
7_2		(iii) final energy consumption - services				
8_2		final energy consumption - agriculture			Voluntary	
9_2		final energy consumption - other sectors			Voluntary	
10_2		(iv) gross value added - industry				
11_2		(iv) gross value added - services				
12_2		(v) imputed income for transport				
13_2		(vi) gross domestic product (GDP) - electricity generation from CHP				
14_2		(vi) electricity generation from CHP				
15_2		(vi) electricity generation from thermal power				
16_2		(vii) waste heat produced in industrial installations			Voluntary - See p. 39 SWD(2013)180, Annex A	
18_2		(viii) heat generation from CHP				
19_2		Waste heat recovered from industrial installations			Voluntary - See p. 39 SWD(2013)180, Annex A	
20_2		(ix) fuel input for thermal power				
21_2		(x) passenger kilometres (pkm)				
25_2		(xi) tonnes kilometres (tkm)				
29_2		(xii) population				
30_2		Total number of households			Voluntary - see p. 39 SWD(2013)180, Annex A	
31_2		Energy transmission and distribution losses (all fuels)			Voluntary - see p. 39 SWD(2013)180, Annex A	
32_2		Heat generation from district heating plants			Voluntary - see p. 39 SWD(2013)180, Annex A	
33_2		Fuel input in district heating plants			Voluntary - see p. 39 SWD(2013)180, Annex A	

Additional requirements Article 24 (1), Annex XIV, Part 1 (a) Energy Efficiency Directive

In sectors where energy consumption remains stable or is growing, Member States shall analyse the reasons for it and attach their appraisal to the estimates.

		Final energy consumption 2012 in ktoe (voluntary)	Final energy consumption 2013 in ktoe [as in data fields (3), (4), (6)-(9)]
34	Industry	573	644,5
35	Transport	791	762
36	Households	922,1	934,8
37	Services	424,3	419
38	Agriculture (voluntary)	110,1	109,5
39	Other sectors (voluntary)	1507,2	1463,9

Additional requirements Article 24 (1), Annex XIV, Part 1 (b) Energy Efficiency Directive

Updates on major legislative and non-legislative measures implemented in the previous year which contribute towards the overall national energy efficiency targets for 2020

40	Major legislative in the previous year	Regulation on Format and procedure of issuance of household energy audit reports (05.2014, will be re-entered into force after new Building Act in 2015). States the necessary steps when carrying out energy audit on a household and procedures how the information is used, taking into account EED (2012/27/EU). The regulation can be found: https://www.rigiteatja.ee/akt/111032014004 [only in Estonian]
41		Regulation on Conditions and procedures of the use of grant for introduction of renewable energy and renovation of heating systems in households (1.1.2014). The aim is to help to replace heating boilers using liquid fossil fuels with renewable energy using heating devices, together with new and more efficient heating system. The regulation can be found: https://www.rigiteatja.ee/akt/125112014024 [only in Estonian]
42		Act of changing the excise duty rates of alcohol, tobacco, fuel and electricity (07.2014). Special purpose diesel oil, light fuel oil and natural gas excise duty rates were increased (§ 1 points 25-29 in the text of the act) resulting in saving and more efficient use of such fuels. The act can be found: https://www.rigiteatja.ee/akt/112072014002 [only in Estonian]
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50	Major non-legislative in the previous year	Main energy efficiency and savings knowledge transfer event of the year "Energy Saving Week 2014" from 10th to 16th of November 2014 organized by Tartu Region Energy Agency. The event promotes efficient use of energy and possibilities for energy savings for all stakeholders in society to the public, with different lectures, case studies, site visits etc. Co-organizers are main universities, NGOs, construction companies, banks, municipalities etc. Timetable (in Estonian only): http://energiatark.ee/ . As a sub-event in parallel is also organized "Energy Saving Week" for highschool students (http://energiatark.ee/uritusedkaaskorraldajale2/energiasaastunadal-sinu-koolis-2014/). Energy Saving Week website also incorporates Energy Smart area, which includes energy efficiency and savings tips for households, work, transport etc. and also makes a summary of related events in Estonia: http://energiatark.ee/teadmiseks/
51		On 20th of June European Commission approved Partnership Agreement for European Structural and Investment Funds submitted by Estonian Government. On 10th of December European Commission approved operational programme for Cohesion Policy funds. According to the Operational Programme for Cohesion Policy Funds the investments priority is to support energy efficiency, smart energy management and renewable energy use in public infrastructure, including in public buildings, streetlighting and in the housing sector: http://www.struktuurifondid.ee/public/EE_OP_EN_2_12_2014.pdf (Chapter 2.6).
52		Ministry of Economic Affairs and Communications and Ministry of Environment started drafting new energy saving and efficiency support schemes funded by the European Structural Funds, focused on district heating, streetlighting, energy auditing and industrial companies increase of production efficiency in terms of both resource and energy efficiency. These will also contribute to the target set in art 7 of EED.
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Additional requirements Article 24 (1), Annex XIV, Part 1 (c) Energy Efficiency Directive

Total building floor area of the buildings with a total useful floor area over 500 m² and as of 9 July 2015 over 250 m² owned and occupied by the Member States' central government that on 1 January of the year in which the report is due did not meet the energy performance requirements referred to in Article 5(1):

60	Total building floor area of the buildings which did not meet the energy performance requirements referred to in Article 5(1) on 1 January of the year in which the report is due	914 398 m ²
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Additional requirements Article 24 (1), Annex XIV, Part 1 (d) Energy Efficiency Directive

Total building floor area of heated and/or cooled buildings owned and occupied by the Member States' central government that was renovated in the previous year referred to in Article 5(1) or the amount of energy savings in eligible buildings owned and occupied by their central government as referred to in Article 5(6)

61	Total building floor area buildings renovated in the previous year as referred to in Article 5(1)	17 022 m ²
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62	Amount of energy savings in the previous year in eligible buildings owned and occupied by their central government as referred to in Article 5(6)	Art 5(1): default approach is chosen.
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Additional requirements Article 24 (1), Annex XIV, Part 1 (e) Energy Efficiency Directive

Energy savings achieved through the national energy efficiency obligation schemes referred to in Article 7(1) or the alternative measures adopted in application of Article 7(9).

	Policy measure (notified)	Savings achieved in year, GWh	Total <u>expected</u> savings by 2020 (voluntary)
		2014	
63	EEOS	0	
64	Alternative measure 1: taxation of energy products (fuel excises and value added tax)	557	
65	Alternative measure 2: renovation of apartment buildings	23	
66	Alternative measure 3		
67	Alternative measure 4		
68	Alternative measure 5		
69	Alternative measure 6		
70	Alternative measure 7		
71	Alternative measure 8		
72	Alternative measure 9		
73	Alternative measure 10		
73	Total savings	580	0