

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

Please, fill in the green fields (the grey ones are strong recommended, but voluntary). It can be chosen if Eurostat data or data based on national statistics is provided. Please, fill in [Table A](#) if data from [Eurostat](#) is reported. In case, the data is based on [national statistics, please](#), fill in [Table B](#) and provide definitions.

Annual Report	2018
Reporting year	2016
Member State	GREECE

Table A - Eurostat data

Number	Data field	AR Indicator	Unit(s)	Eurostat indicator(s)	Eurostat database table	Eurostat Code	field/product(s)	SWD(2013)180, Annex A	Definition of provided national statistics for data fields not available in Eurostat	Last update (date of the data)
A1	23.5	(i) primary energy consumption	Mtoe	Primary Energy Consumption	Energy saving - annual data [nrg_ind_334a]	B_100810	-			
A2	16693.1	(ii) total final energy consumption	ktoe	Final Energy Consumption	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_101700	All products	No climate adjustment, see p. 39 SWD(2013)180, Annex A		
A3	3096.8	(iii) final energy consumption - industry	ktoe	Final Energy Consumption - Industry	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_101800	All products			
A4	6753.1	(iii) final energy consumption - transport	ktoe	Final Energy Consumption - Transport	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_101900	All products			
A5	0	final energy consumption in pipeline transport	ktoe	Consumption in Pipeline transport	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_101945	All products	Voluntary - See p. 39 SWD(2013)180, Annex A		
A6	4387.3	(iii) final energy consumption - households	ktoe	Residential	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102010	All products			
A7	2035.3	(iii) final energy consumption - services	ktoe	Services	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102035	All products			
A8	270.7	final energy consumption - agriculture	ktoe	Agriculture/Forestry	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102030	All products	Voluntary		
A9	6845.2	final energy consumption - other sectors	ktoe	Other sectors	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102000	All products	Voluntary		
A10	-16,398.9 -5,546.2	(iv) gross value added - industry	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)	Industry (except construction) Construction	Gross value added and income by A*10 industry breakdowns [nama_10_a10]	- B-E - F	Value added, gross			
A11	-29,331.2 -4,734.4 -7,342.1 -29,653.3 -6,493.9 -29,972.5 -5,782.2	(iv) gross value added - services	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)	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 organizations 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			
A12	113800 (S14)	(v) disposable income for households	Million euro	Gross disposable income	Non-financial transactions [nasa_ref_tr]	Until 2017: S14 (if available) or S14_S15; From 2017 on: S14 only	"Households" (if available) or "Households, non-profit institutions serving households" (Unit 2017)	Due to derogation for some MS granted by Eurostat		
A13	180 058.40	(vi) gross domestic product (GDP)	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)	Gross domestic product at market prices	GDP and main components - volumes [nama_gdp_k]	B1GM	-			
A14	0 0 0 0 2358.3 0 0 646.9 0 0 0 0.1 0 0 0 150.0 0 0	(vi) electricity generation from thermal power generation	ktoe	Gross electricity generation Main activity electricity only - Nuclear Gross electricity generation Main activity CHP plants - Nuclear Gross electricity generation Autoproducer electricity only - Nuclear Gross electricity generation Autoproducer 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 CHP plants - Other Sources 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 electricity only - Solar Thermal	Supply, transformation, consumption - electricity - annual data [nrg_105a]	-15_107030 -15_107031 -15_107032 -15_107033 -15_107038 -15_107048 -15_107054 -15_107039 -15_107049 -15_107055 -14_1070422 -15_107040 -15_107050 -15_107052 -15_107056 -15_107041 -15_107051 -15_107053 -15_107057 -14_1070432	Electrical energy			
A15	0 0 0 646.9 0 0 150.0 0 0	(vii) electricity generation from CHP	ktoe	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 [nrg_105a]	-15_107031 -15_107033 -15_107039 -15_107041 -15_107049 -15_107050 -15_107051 -15_107053 -15_107057	Electrical energy			

B10		(iv) gross value added - industry	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)				
B11		(iv) gross value added - services	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)				
B12		(v) disposable income for households	Million euro				
B13		(vi) gross domestic product (GDP)	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)				
B14		(vi) electricity generation from thermal power generation	ktoe				
B15		(vii) electricity generation from CHP	ktoe				
B16		(ix) heat generation from thermal power generation	ktoe				
B17		Waste heat produced in industrial installations	ktoe		Voluntary - See p. 39 SWD(2013)180, Annex A		
B18		(x) heat generation from CHP	ktoe				
B19		Waste heat recovered from industrial installations	ktoe		Voluntary - See p. 39 SWD(2013)180, Annex A		
B20		(xi) fuel input for thermal power generation	ktoe				
B21		(xii) passenger kilometres	plm				
B22		(xiii) tonnes kilometres	tkm				
B23		(iv) population	Persons				
B24		Total number of households	Households		Voluntary - see p. 39 SWD(2013)180, Annex A		
B25		Energy transmission and distribution losses (all fuels)	ktoe		Voluntary - see p. 39 SWD(2013)180, Annex A		
B26		Heat generation from district heating plants	ktoe		Voluntary - see p. 39 SWD(2013)180, Annex A		
B27		Fuel input in district heating plants	ktoe		Voluntary - see p. 39 SWD(2013)180, Annex A		

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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.

		Main reason 1	Main reason 2	Main reason 3	Please, explain 'other' reasons and provide any additional comments, supporting data or links to documents		
34	Industry	Please select	Please select	Please select			
35	Transport	Abolition of the program "Replacing old private passenger vehicles"	Please select	Please select			
36	Households	Please select	Please select	Please select			
37	Services	Increase of employment	Please select	Please select			
38	Agriculture (voluntary)	Please select	Please select	Please select			

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:

		Type of measure	Legal basis	Type of update	Please, insert explanations or provide a link to an extra/additional document:		
39-1	Major legislative in the previous year	Legislative measure according to paragraph 1 of article 9 of Law 4342/2015	Ministerial Decision	Please select	no.174063/28.03.2017 "Adoption of the Regulation of the Energy Efficiency Obligation Schemes" (Official Government Gazette: no. 1242 of issue B')		
39-2		Legislative measure according to paragraph 1 of article 9 of Law 4122/2013	Ministerial Decision	Please select	AETEA/ox.178581/30.06.2017 (B' 2367) "Building Energy Efficiency Regulation" (Official Government Gazette: no. 2367 of issue B')		
39-3		Legislative measure according to paragraph 1 of article 13 of Law 4342/2015	Ministerial Decision	Please select	no. 179679/04.07.2017 "Qualification and Certification Systems for Energy Auditors, Register of Energy Auditors and Energy Audit Firms" (Official Government Gazette: no. 2317 of issue B')		
39-4		Legislative measure according to paragraph 1 of article 3 of Law 4122/2013	Ministerial Decision	Please select	AETEA/ox.182365/17.10.2017 "Adoption and implementation of the Technical Guidelines on Energy Efficiency of Buildings, issued by the Technical Chamber of Greece" (Official Government Gazette: no. 4503 of issue B')		
39-5		Please select	Please select	Please select			
39-6		Please select	Please select	Please select			
39-7		Please select	Please select	Please select			
39-8		Please select	Please select	Please select			
39-9		Please select	Please select	Please select			
39-10		Please select	Please select	Please select			
40-1		Please select	Please select	Please select			
40-2		Please select	Please select	Please select			
40-3		Please select	Please select	Please select			

40-4	Major non-legislative in the previous year	Please select	Please select	Please select	
40-5		Please select	Please select	Please select	
40-6		Please select	Please select	Please select	
40-7		Please select	Please select	Please select	
40-8		Please select	Please select	Please select	
40-9		Please select	Please select	Please select	
40-10		Please select	Please select	Please select	

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

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41-1	Total building floor area [m ²] of the buildings with a total useful floor area over 250 m ² owned and occupied by the Member States' central government on 1 January 2018	A list of 82 state owned buildings of the central public administration with a total area of approximately 310.000 m ² has been published and the Ministry is in the process of collecting data for updating and completing this list in cooperation with the central public administration bodies.
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Total building floor area of the buildings with a total useful floor area 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):

41-2	Total building floor area [m ²] of the buildings which did <u>not</u> meet the energy performance requirements referred to in Article 5(1) on 1 January 2018	
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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):

		Default approach Article 5(1)
42-1	Total building floor area [m ²] of buildings renovated in <u>2017</u> as referred to in Article 5(1)	
42-2	Amount of energy savings [ktoe] achieved in <u>2017</u> in eligible buildings owned and occupied by their central government due to renovation of buildings as set out in Article 5(1), expressed in primary or final energy	

	Alternative approach Article 5(6)	Policy measure (Please, specify the policy measure)	Amount of energy savings [ktoe] achieved in 2016 in eligible buildings owned and occupied by their central government as referred to in Article 5(6)
43-1	Alternative measure 1		
43-2	Alternative measure 2		
43-3	Alternative measure 3		
43-4	Alternative measure 4		
43-5	Alternative measure 5		
43-6	Alternative measure 6		
43-7	Alternative measure 7		
43-8	Alternative measure 8		
43-9	Alternative measure 9		
43-10	Alternative measure 10		
43-11	Amount of energy savings [ktoe] achieved in <u>2017</u> in eligible buildings owned and occupied by their central government as referred to in Article 5(6), in primary or final energy		0
43-12	Sum of energy savings [ktoe] achieved in eligible buildings owned and occupied by their central government through the implementation of Article 5(6) in primary or final energy over the time period <u>2014-2017</u>		

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Additional requirments 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):

Energy savings achieved in 2016		Savings achieved in 2016 [ktoe] expressed in final energy	Total <u>expected</u> savings [ktoe] by 2020 expressed in final energy (voluntary)
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(savings achieved from measures and notified under Article 7(2)(c) and (d) shall not be part of this table)		Policy measure (Please, specify the policy measure)	Total annual end-use savings achieved [ktoe] in 2016 (amount of savings from new actions implemented in 2016 and from actions implemented in 2014 or 2015 that continue delivering savings in 2016)	thereof savings achieved [ktoe] in 2016 only from <u>new</u> actions that were implemented in 2016	
44-1	EEOS				
44-2	Alternative measure 1	Save Energy at Home' programme	31,70	1,55	
44-3	Alternative measure 2	'SAVE' Programme for Local Authorities	2,25	2,25	
44-4	Alternative measure 3	'SAVE IT' Programme for Local Authorities	0,21	0,17	
44-5	Alternative measure 4	Energy upgrade of residential buildings			
44-6	Alternative measure 5	Energy upgrade of public buildings			
44-7	Alternative measure 6	Energy upgrade of commercial buildings			
44-8	Alternative measure 7	Implementing an energy management system in public and general public sector agencies in accordance with the ISO 50001 standard			
44-9	Alternative measure 8	Energy upgrade of commercial buildings through Energy Service Companies			
44-10	Alternative measure 9	Education and training actions for tertiary sector staff			
44-11	Alternative measure 10	Developing smart metering systems			
44-12	Alternative measure 11	Replacing old public and private light trucks	12,43	3,14	
44-13	Alternative measure 12	Replacing old private passenger vehicles	75,26	17,13	
44-14	Alternative measure 13	Promotion of CNG and LPG-powered private passenger vehicles			
44-15	Alternative measure 14	DRISD Operations	13,14	11,66	
44-16	Alternative measure 15	Thessaloniki Metro development			
44-17	Alternative measure 16	Extension of Athens metro	29,30	0,00	
44-18	Alternative measure 17	Offset of fines on illegal buildings against energy upgrades	0,61	0,50	
44-19	Alternative measure 18	Energy managers in buildings of the public sector and the general government	1,19	1,19	
44-20	Alternative measure 19	Energy Performance Certificates as behavioural measure	7,86	2,26	
44-12	Total savings		173,98	39,84	

Energy savings achieved in 2016 from supply side measures accounted for under Art. 7 (2)(c)		Policy measure (Please, specify the policy measure)	Total annual savings generated <u>in 2016</u> [ktoe] from <u>supply side measures</u> , (amount of savings from new actions implemented in 2016 and actions implemented in 2014 or 2015 that continue delivering savings in 2016) expressed in final energy
45-1	Measure 1		
45-2	Measure 2		
45-3	Measure 3		
45-4	Total savings		

Energy savings achieved in 2016 from early actions accounted for under Art. 7 (2)(d)		Policy measure (Please, specify the policy measure)	Total amount of savings generated <u>in 2016</u> [ktoe] from <u>early actions</u> that took place between 31/12/2008 and 31/12/2013 expressed in final energy
46-1	Measure 1		
46-2	Measure 2		
46-3	Measure 3		
46-4	Total savings		