

# 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	2017
Reporting year	2015
Member State	Portugal

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	21,7	(i) primary energy consumption	Mtoe	Primary Energy Consumption	Energy saving - annual data [enq_ind_134a]	8_100910	-	-	-	
A2	16037	(ii) total final energy consumption	ktoe	Final Energy Consumption	Supply, transformation, consumption - all products - annual data [enq_100a]	8_101700	All products	No climate adjustment, see p. 39 SWD(2013)180, Annex A		
A3	4450	(iii) final energy consumption - industry	ktoe	Final Energy Consumption - Industry	Supply, transformation, consumption - all products - annual data [enq_100a]	8_101800	All products			
A4	6613	(iv) final energy consumption - transport	ktoe	Final Energy Consumption - Transport	Supply, transformation, consumption - all products - annual data [enq_100a]	8_101900	All products			
A5	1	final energy consumption in pipeline transport	ktoe	Consumption in Pipeline transport	Supply, transformation, consumption - all products - annual data [enq_100a]	8_101945	All products	Voluntary - See p. 39 SWD(2013)180, Annex A		
A6	2539	(v) final energy consumption - households	ktoe	Residential	Supply, transformation, consumption - all products - annual data [enq_100a]	8_102010	All products			
A7	1960	(vi) final energy consumption - services	ktoe	Services	Supply, transformation, consumption - all products - annual data [enq_100a]	8_102035	All products			
A8	345	final energy consumption - agriculture	ktoe	Agriculture/Forestry	Supply, transformation, consumption - all products - annual data [enq_100a]	8_102090	All products	Voluntary		
A9	35	final energy consumption - other sectors	ktoe	Other sectors	Supply, transformation, consumption - all products - annual data [enq_100a]	8_102000	All products	Voluntary		
A10		(vii) 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 [nasa_10_10]	- B-E - F	Value added, gross			
A11		(viii) 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 - 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 [nasa_10_10]	- G-I - J - K - L - M_N - O-Q - R-U	Value added, gross			
A12		(ix) disposable income for households	Million euro	Gross disposable income	Non-financial transactions [nasa_10_11]	SWD 2012_154 (if available) or S44_215 From 2012_get_214 only	"Households" (if available) or "Households, non-profit institutions serving households" (Jan 2017)	Due to derogation for some MS granted by Eurostat		
A13		(x) 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 [nasa_gdp_1]	B1GM	-			
A14	0 0 0 0 182 0 0 17 0 0 0 82 0 0 0 0 0 600 1 0 0	(xi) 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 Auto producer 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 Auto producer electricity only - Geothermal - Gross electricity generation Auto producer electricity only - Combustible Fuels - Gross electricity generation Auto producer electricity only - Heat from Chemical Sources - Gross electricity generation Auto producer electricity only - Other Sources - Gross electricity generation Auto producer CHP plants - Geothermal - Gross electricity generation Auto producer CHP plants - Combustible Fuels - Gross electricity generation Auto producer CHP plants - Heat from Chemical Sources - Gross electricity generation Auto producer CHP plants - Other Sources - Gross electricity generation Auto producer electricity only - Solar Thermal	Supply, transformation, consumption - electricity - annual data [enq_105a]	- 15_107930 - 15_107931 - 15_107932 - 15_107933 - 15_107938 - 15_107948 - 15_107954 - 15_107955 - 15_107959 - 15_107969 - 15_107975 - 15_107982 - 15_107983 - 15_107984 - 15_107988 - 15_107991 - 15_107994 - 15_107995 - 15_107996 - 15_107997 - 15_107998 - 15_107999	Electrical energy			
A15	0 0 17 0 0 600 1 0 0	(xii) electricity generation from CHP	ktoe	- Gross electricity generation Main activity 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 Auto producer CHP plants - Geothermal - Gross electricity generation Auto producer CHP plants - Combustible Fuels - Gross electricity generation Auto producer CHP plants - Heat from Chemical Sources - Gross electricity generation Auto producer CHP plants - Other Sources	Supply, transformation, consumption - electricity - annual data [enq_105a]	- 15_107931 - 15_107933 - 15_107938 - 15_107948 - 15_107954 - 15_107955 - 15_107959 - 15_107969 - 15_107975 - 15_107982 - 15_107983 - 15_107984	Electrical energy			
A16	0 0 0 0 1 0 0 0 0 0 468 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0	(xiii) heat generation from thermal power generation	ktoe	- Gross heat production Main activity CHP plants - Nuclear - Gross heat production Main activity heat only plants - Nuclear - Gross heat production Auto producer CHP plants - Nuclear - Gross heat production Auto producer 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 Auto producer CHP plants - Geothermal - Gross heat production Auto producer CHP plants - Combustible Fuels - Gross heat production Auto producer CHP plants - Heat Pumps - Gross heat production Auto producer CHP plants - Electric Boilers - Gross heat production Auto producer CHP plants - Heat from Chemical Sources - Gross heat production Auto producer CHP plants - Other Sources - Gross heat production Auto producer heat only plants - Geothermal - Gross heat production Auto producer heat only plants - Solar - Gross heat production Auto producer heat only plants - Combustible Fuels - Gross heat production Auto producer heat only plants - Heat Pumps - Gross heat production Auto producer heat only plants - Electric Boilers - Gross heat production Auto producer heat only plants - Heat from Chemical Sources - Gross heat production Auto producer heat only plants - Other Sources	Supply, transformation, consumption - heat - annual data [enq_106a]	- 15_107960 - 15_107961 - 15_107962 - 15_107964 - 15_107972 - 15_107974 - 15_107976 - 15_107977 - 15_107978 - 15_107982 - 15_107984 - 15_107988 - 15_107991 - 15_107994 - 15_107995 - 15_107996 - 15_107997 - 15_107998 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999	Derived heat			
A17		Waste heat produced in industrial installations	ktoe	Eurostat data not available. Please, provide national data with definitions/explanations in column 1.				Voluntary - See p. 39 SWD(2013)180, Annex A		
A18	0 0 0 1 0 0 0 0 0 0 0 468 0 0 2 0 0 0 0 0 0 0 0 0 0	(xiv) heat generation from CHP	ktoe	- Gross heat production Main activity CHP plants - Nuclear - Gross heat production Auto producer 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 Auto producer CHP plants - Geothermal - Gross heat production Auto producer CHP plants - Combustible Fuels - Gross heat production Auto producer CHP plants - Heat Pumps - Gross heat production Auto producer CHP plants - Electric Boilers - Gross heat production Auto producer CHP plants - Heat from Chemical Sources - Gross heat production Auto producer CHP plants - Other Sources - Gross heat production Auto producer heat only plants - Geothermal - Gross heat production Auto producer heat only plants - Solar - Gross heat production Auto producer heat only plants - Combustible Fuels - Gross heat production Auto producer heat only plants - Heat Pumps - Gross heat production Auto producer heat only plants - Electric Boilers - Gross heat production Auto producer heat only plants - Heat from Chemical Sources - Gross heat production Auto producer heat only plants - Other Sources	Supply, transformation, consumption - heat - annual data [enq_106a]	- 15_107960 - 15_107962 - 15_107964 - 15_107972 - 15_107974 - 15_107976 - 15_107977 - 15_107978 - 15_107982 - 15_107984 - 15_107988 - 15_107991 - 15_107994 - 15_107995 - 15_107996 - 15_107997 - 15_107998 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999 - 15_107999	Derived heat			
A19		Waste heat recovered from industrial installations	ktoe	Eurostat data not available. Please, provide national data with definitions/explanations in column 1.				Voluntary - See p. 39 SWD(2013)180, Annex A		
A20	0 9694 0	(xv) fuel input for thermal power generation	ktoe	- Transformation input - Nuclear Power Stations - Transformation input - Conventional Thermal Power Stations - Transformation input - District Heating Plants	Supply, transformation, consumption - all products - annual data [enq_100a]	8_101002 8_101001 8_101009	All products			
A21	17240	(xvi) passenger kilometres	Millions of pkm	Railway TRA_COV: Total transport	Railway transport - Total annual passenger transport (1 000 passenger-kilometres)	- TOTAL	-			
A22	n.a.	domestic maritime passenger kilometres	Millions of pkm	Road VEHICLE: Total	Passenger road transport on national territory, by type of vehicles registered in the reporting country [road_pa_mov]	- TOTAL	-			
A23	2096	total national aviation passenger kilometres	Millions of pkm	Eurostat data not available. Please, provide national data with definitions/explanations in column 1.						
A24	31942	total international aviation passenger kilometres	Millions of pkm	Eurostat data not available. Please, provide national data with definitions/explanations in column 1.						
A25	2688 11835 -	(xvii) tonnes kilometres	Millions of tkm	Railway TRA_COV: Total transport	Railway transport - Goods transported, by type of transport (1 000 t, million tkm) (rail, sea, barge)	- TOTAL	-			
A26	n.a.	domestic maritime tonnes kilometres	Millions of tkm	Road TRA_OPER: Total - Total transport	Summary of annual road freight transport by type of operation and type of transport (1 000 t, Mio Tkm, Mio veh-km) (road, air, rail, sea, barge)	- TOTAL	CARRIAGE: Total			
A27	n.a.	total national aviation tonnes kilometres	Millions of tkm	Waterway TRA_COV: Total transport	Transport by type of goods (from 2007 onwards with NIS2007) [enq_gh_200g]	- TOTAL	NIS207: Total transported goods (TOTAL) TYPACK: All types of packaging (TOTAL)			
A28	n.a.	total international aviation tonnes kilometres	Millions of tkm	Eurostat data not available. Please, provide national data with definitions/explanations in column 1.						
A29	10374822	(xviii) population	Persons	Population on 1 January - Total	Eurostat data not available. Please, provide national data with definitions/explanations in column 1.					
A30	5926286	Total number of households	Households	Population on 1 January - Total	Demographic balance and crude rates [demo_gind]	JAN	-			
A31	429	Energy transmission and distribution losses (all fuels)	ktoe	Distribution Losses	Supply, transformation, consumption - all products - annual data [enq_100a]	8_101400	All products	Voluntary - see p. 39 SWD(2013)180, Annex A		
A32	0	Heat generation from district heating plants	ktoe	Transformation output - District Heating Plants	Supply, transformation, consumption - heat - annual data [enq_106a]	8_101109	Derived heat	Voluntary - see p. 39 SWD(2013)180, Annex A		
A33	0	Fuel input in district heating plants	ktoe	Transformation input - District Heating Plants	Supply, transformation, consumption - all products - annual data [enq_100a]	8_101009	All products	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.

Please, insert explanations or provide an extra/additional document:	
34	Industry A 1% increase in energy consumption is related to the growth of the economy that translates into greater industrial activity
35	Transport A 2.6% increase in energy consumption is related to the growth of the economy
36	Households A 1% decrease in energy consumption, despite the growth of the economy, is related to greater energy efficiency and an average climate year that did not require as much energy needs for heating and cooling
37	Services A 3% increase in energy consumption is related to the growth of the economy
38	Agriculture (voluntary)

**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 an extra/additional document:
39-1	Regulations and legislative measures	Minimum energy performance requirements	Amendments, implementation or design changes and extension of an on-going measure
39-2	Regulations and legislative measures	Other EPBD-related measures	Amendments, implementation or design changes and extension of an on-going measure
39-3	Regulations and legislative measures	Minimum energy performance requirements	Amendments, implementation or design changes and extension of an on-going measure
39-4	Regulations and legislative measures	Energy performance certificates	Amendments, implementation or design changes and extension of an on-going measure
39-5	Regulations and legislative measures	Energy performance certificates	Amendments, implementation or design changes and extension of an on-going measure
39-6	Regulations and legislative measures	Energy performance certificates	Amendments, implementation or design changes and extension of an on-going measure
39-7	Regulations and legislative measures	Minimum energy performance requirements	Amendments, implementation or design changes and extension of an on-going measure
39-8	Regulations and legislative measures	Other EPBD-related measures	Amendments, implementation or design changes and extension of an on-going measure
39-9	Funds, financial measures & fiscal incentives	Public sector renovations Art. 5 EED	Adoption of a new measure, conclusion of agreement, publication of legislation, commencement/enforcement of a measure/programme
40-1	Funds, financial measures & fiscal incentives	Public sector renovations Art. 5 EED	Adoption of a new measure, conclusion of agreement, publication of legislation, commencement/enforcement of a measure/programme
40-2	Funds, financial measures & fiscal incentives	Public sector renovations Art. 5 EED	Adoption of a new measure, conclusion of agreement, publication of legislation, commencement/enforcement of a measure/programme
40-3	Funds, financial measures & fiscal incentives	National Energy Efficiency Fund Art. 19 EED	Continuation of existing measures/no significant updates
40-4	Funds, financial measures & fiscal incentives	National Energy Efficiency Fund Art. 19 EED	Continuation of existing measures/no significant updates
40-5	Funds, financial measures & fiscal incentives	National Energy Efficiency Fund Art. 19 EED	Continuation of existing measures/no significant updates
40-6	Funds, financial measures & fiscal incentives	National Energy Efficiency Fund Art. 19 EED	Adoption of a new measure, conclusion of agreement, publication of legislation, commencement/enforcement of a measure/programme

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

41-1	Total building floor area [m <sup>2</sup> ] of the buildings with a total useful floor area over 250 m <sup>2</sup> owned and occupied by the Member States' central government on 1 January 2017	7329150
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Total building floor area of the buildings with a total useful floor area over 250 m<sup>2</sup> 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 <sup>2</sup> ] of the buildings which did not meet the energy performance requirements referred to in Article 5(1) on 1 January 2017	82284
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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 <sup>2</sup> ] of buildings renovated in 2016 as referred to in Article 5(1)	not applicable
42-2	Amount of energy savings [ktoe] achieved in 2016 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	not applicable

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 Energy measures foreseen under the Energy Buildings Certification	0,035
43-2	Alternative measure 2 Energy Efficiency Programme in Public Administration (ECC-AP)	0
43-3	Alternative measure 3 Energy Efficiency Fund (FEF)	0
43-4	Alternative measure 4 POSEUR - Operational Programme for Sustainability and Efficient Use of Resources	0
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 2016 in eligible buildings owned and occupied by their central government as referred to in Article 5(6), in primary or final energy	0,035
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 2014 - 2016	0,035

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):

Energy savings achieved in 2015 (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)	Savings achieved in 2015 [ktoe]		Total expected savings [ktoe] by 2020 expressed in final energy (voluntary)
		Total annual end-use savings achieved [ktoe] in 2015 (amount of savings from new actions implemented in 2015 and from actions implemented in 2014 that continue delivering savings in 2015)	thereof savings achieved [ktoe] in 2015 from <u>new</u> actions that were implemented in 2015	
44-1	EEOS			
44-2	Alternative measure 1	Solar Thermal - Incentive programs to solar thermal utilisation	15,433	7,299
44-3	Alternative measure 2	SGDE - Management System of Intensive Energy Consumption	29,550	7,660
44-4	Alternative measure 3	RGCE 51 - Management Regulation of Energy Consumption in Transport Sector	6,683	4,319
44-5	Alternative measure 4	PPEC - Consumption Efficiency Promotion Plan	13,72	0
44-6	Alternative measure 5	National Energy Efficiency Fund	0	0
44-12	Total savings			

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

Energy savings achieved in 2015 from early actions accounted for under Art. 7 (2)(d)	Policy measure (Please, specify the policy measure)	Total amount of savings generated in 2015 [ktoe] from early actions 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	