

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	2016
Reporting year	2014
Member State	IE

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	13.4	(i) primary energy consumption	MTOe	Primary Energy Consumption	Energy saving - annual data [nrg_ind_334a]	B_100910	-			
A2	10766.2	(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	2241.1	(iii) final energy consumption - industry	ktoe	Final Energy Consumption - Industry	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_101800	All products			
A4	4474.5	(iii) final energy consumption - transport	ktoe	Final Energy Consumption - Transport	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_101900	All products			
A5		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	2590.3	(iii) final energy consumption - households	ktoe	Residential	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102010	All products			
A7	1236.5	(iii) final energy consumption - services	ktoe	Services	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102035	All products			
A8		final energy consumption - agriculture	ktoe	Agriculture/Forestry	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102030	All products	Voluntary		
A9		final energy consumption - other sectors	ktoe	Other sectors	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102000	All products	Voluntary		
A10	40313.1 8070.4	(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	20701.6 37809.2 13378.9 12847.4 19867.7 25970.2 5342.8	(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	84597	(v) disposable income for households 2013 data not available. 2012 data given	Million euro	Gross disposable income	Non-financial transactions [nasa_nf_tr]	Until 2012: S14 (if available) or S14_S15; From 2017 on: S14 only	"Households" (if available) or "Households; non-profit institutions serving households" (Until 2017)	Due to derogation for some MS granted by Eurostat		
A13	166723.4	(vi) gross domestic product (GDP) 2013 data given	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 0 1557.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 178.2 0 0 0 0	(vii) 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 Main activity 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 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 0 0 178.2 0 0	(viii) 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_107049 -15_107055 -15_107041 -15_107051 -15_107053 -15_107057	Electrical energy		
A16	0	(ix) 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 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 - Electric Boilers -Gross heat production Autoproducer CHP plants - Heat from Chemical Sources -Gross heat production Autoproducer CHP plants - Heat from Chemical Sources -Gross heat production Autoproducer CHP plants - Other 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 Sources -Gross heat production Autoproducer heat only plants - Other Sources -Gross heat production Autoproducer heat only plants - Solar	Supply, transformation, consumption - heat - annual data [nrg_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 -15_107079 -15_107083 -15_107085 -15_107089	Derived heat		
A17		Waste heat produced in industrial installations	ktoe	Eurostat data not available. Please, provide national data with definitions/explanations in column J.				Voluntary - See p. 39 SWD(2013)180, Annex A	
A18	0	(x) heat generation from CHP	ktoe	-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 - Electric Boilers -Gross heat production Autoproducer CHP plants - Heat from Chemical Sources -Gross heat production Autoproducer CHP plants - Other Sources -Gross heat production Autoproducer CHP plants - Solar	Supply, transformation, consumption - heat - annual data [nrg_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		
A19		Waste heat recovered from industrial installations	ktoe	Eurostat data not available. Please, provide national data with definitions/explanations in column J.				Voluntary - See p. 39 SWD(2013)180, Annex A	
A20	3666.4	(xi) 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 [nrg_100a]	-B_101002 -B_101001 -B_101009	All products		
A21	1,695.272 million pkm (rail only)	(xii) passenger kilometres	Millions of pkm Millions of 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 [road_pa_mov]	-TOTAL -TOTAL	-		
A22	na	domestic maritime passenger kilometres	Millions of pkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.					
A23	na	total national aviation passenger kilometres	Millions of pkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.					
A24	na	total international aviation passenger kilometres	Millions of pkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.					
A25	99,827 million tonne km 9,772 million tonne km n/a	(xiii) tonnes kilometres	Millions of tkm Millions of tkm Millions of 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 tkm) [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_go_ta_tot] Transport by type of good (from 2007 onwards with NST2007) [ww_go_atygo]	-TOTAL -TOTAL -TOTAL	- CARRIAGE: Total NSTO7: Total transported goods (TOTAL) TYPPACK: All types of packaging (TOTAL)		
A26	na	domestic maritime tonnes kilometres	Millions of tkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.					
A27	na	total national aviation tonnes kilometres	Millions of tkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.					
A28	na	total international aviation tonnes kilometres	Millions of tkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.					
A29	4628949 (p)	(xv) population	Persons	Population on 1 January - total	Demographic balance and crude rates [demo_gind]	JAN	-		provisional
A30	1,689,879	Total number of households	Households	Eurostat data not available. Please, provide national data with definitions/explanations in column J.				Voluntary - see p. 39 SWD(2013)180, Annex A	
A31	239.4 ktoe	Energy transmission and distribution losses (all fuels)	ktoe	Distribution Losses	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_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 [nrg_106a]	B_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 [nrg_100a]	B_101009	All products	Voluntary - see p. 39 SWD(2013)180, Annex A	

and/or

Table B - Data based on national statistics

Number	Data field	AR Indicator	Unit	Source	SWD(2013)180, Annex A	Definition of provided national statistics (including differences respect the definitions of Eurostat indicators listed above)	Last update (date of the data)
B1		(i) primary energy consumption	ktoe				
B2		(ii) total final energy consumption	ktoe		No climate adjustment, see p. 39 SWD(2013)180, Annex A		
B3		(iii) final energy consumption - industry	ktoe				
B4		(iii) final energy consumption - transport	ktoe				
B5		final energy consumption in pipeline transport	ktoe		Voluntary - See p. 39 SWD(2013)180, Annex A		
B6		(iii) final energy consumption - households	ktoe				
B7		(iii) final energy consumption - services	ktoe				
B8		final energy consumption - agriculture	ktoe		Voluntary		
B9		final energy consumption - other sectors	ktoe		Voluntary		
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		(vii) electricity generation from thermal power generation	ktoe				
B15		(viii) 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	1,695.272 million pkm (rail only)	(xii) passenger kilometres	pkm	See Table number 8.13 at this link http://www.cso.ie/en/releasesandpublications/ep/p-tranom/to2014/pt/			
B22	9,871.827 million tonne km (excludes Waterway Freight)	(xiii) tonnes kilometres	tkm	See Table 6.1 for Road Freight data at link http://www.cso.ie/en/releasesandpublications/ep/p-tranom/to2014/rt/rft/ . See Table 8.13 for Rail Freight Data at link http://www.cso.ie/en/releasesandpublications/ep/p-tranom/to2014/pt/ .			
B23		(xv) population	Persons				
B24	1,689,879	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		

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	For a comprehensive analysis of the key energy trends , sectoral indicators and related policy issues , please refer to :- "Energy in Ireland 1990-2014" (2015 Report) Published by the Sustainable Energy Authority of Ireland, available at http://www.seai.ie/Publications/Statistics_Publications/Energy_in_Ireland/Energy-in-Ireland-1990-2014.pdf
35	Transport	as above
36	Households	as above
37	Services	as above
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: **Responses in this section are being answered for 2015 as the "previous year"**

Type of measure

Legal basis

Type of update

Please, insert explanations or provide an extra/additional document:

	Type of measure	Legal basis	Type of update	Please, insert explanations or provide an extra/additional document:
39-1	Major legislative in the previous year	Secondary Legislation	Statutory Instrument	Legislative measures - to progress Energy Efficiency objectives a number of Statutory Instruments were finalised and became law in 2015. These were:
39-2				S.I. 254 of 2015 - Taxes Consolidation Act 1997 (Accelerated Capital Allowances for Energy Efficient Equipment) (Amendment) No. 1) Order 2015
39-3				S.I. 587 of 2015 - Taxes Consolidation Act 1997 (Accelerated Capital Allowances for Energy Efficient Equipment) (Amendment) No. 2) Order 2015
39-4				
39-5				
39-6				
39-7				
39-8				
39-9				
39-10				
40-1	Major non-legislative in the previous year	Policy		Ireland's Energy White Paper - "Ireland's Transition to a Low Carbon Energy Future 2015-2030" was published in December 2015. It recognises Energy Efficiency as a critical element of Ireland's energy policy. http://www.dcenr.gov.ie/energy/SiteCollectionDocuments/Energy-Initiatives/Energy%20White%20Paper%20-%20Dec%202015.pdf
40-2		Commercial Sector		Ireland put in place a scheme to implement energy audit requirements for large (non SME) enterprises in mid 2015 which addresses the requirement of Article 8. "The Energy Auditing Scheme" is administered by SEAI. For more see:- http://www.seai.ie/Your_Business/Energy-Auditing-Scheme/
40-3		Finance		The National Energy Efficiency Fund invested in a number of private and public sector projects in 2015 and finished the year with a strong project pipeline for 2016.
40-4		Project Development Guidance		The National Energy Services Framework (NESF) which sets out a structured development process for energy projects, continued its work in 2015 to encourage the development of robust projects which are investment ready for financing entities.
40-5		Market Surveillance		Ireland's Department of Communications, Energy & Natural Resources (DCENR) continued its work as the market Surveillance Authority responsible for Energy Labelling, Ecodesign and Tyre labelling Regulations. Inspections continued to be carried out to monitor compliance and ensure retailers and importers are informed of their obligations under legislation with follow up where necessary.
40-6		Energy Supplier Role		The energy suppliers obligation scheme continued in 2015. Obligated suppliers had to achieve energy efficiency savings targets of 75% of their cumulative target. In the period 2014-2015 the obligated energy suppliers delivered energy efficiency savings of 1110KWh through energy efficiency measures to their customers across the commercial and residential sectors.
40-7		Education & Behavioural Change		Ireland's - "One Good Idea" initiative was expanded to more schools. This scheme challenges students to design and run an exciting energy efficiency awareness campaign in their local community or their own school. Students develop projects to research, learn about and then communicate key messages about smarter and more efficient energy and resource use. More information at this link - http://www.seai.ie/Schools/Post_Primary/One-Good-Idea-Project/Project-Stages-and-Deadlines/Stage-1-Propose/Campaign-Proposal-form.pdf
40-8		Public Sector		A higher Energy Efficiency target of 33% has been set in Ireland for public service bodies. Progress is monitored annually. Data for 2014 performance was published in 2015 as the second "Annual Report 2015 on Public Sector Energy Efficiency Performance" It shows public sector bodies are about half way to the target with c.17% of the 33% achieved. Efforts to date have resulted in energy efficiency gains of 1,840 GWH with reduced emissions of 418,000 Tonnes of CO2 per annum and avoided energy spend savings of €121m for 2014. See Link - http://www.seai.ie/Publications/Your_Business_Publications/Public_Sector/Annual-Report-2015-on-Public-Sector-Energy-Efficiency-Performance-as-Gaelige.pdf To drive the Public Lighting as a flagship project a Public Lighting Steering Group was established in 2015.
40-9		Domestic Sector (Households)		Energy Efficiency in Homes/Households - €46.38 million was invested by the Irish Government through the schemes of the "Better Energy Programme" in 2015 to deliver energy efficiency upgrades for over 21,000 homes and in 33 community projects.
40-10				

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

41-1	Total building floor area [m2] of the buildings with a total useful floor area over 250 m2 owned and occupied by the Member States' central government	350,787 m ²
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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):

41-2	Total building floor area [m2] of the buildings which did <u>not meet</u> the energy performance requirements referred to in Article 5(1) on 1 January of the year in which the report is due	350,787 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):

42-1	Total building floor area [m2] of buildings <u>renovated</u> in the previous year as referred to in Article 5(6)	0 m ²
42-2	Amount of energy savings [ktoe] <u>achieved</u> in the previous year in eligible buildings owned and occupied by their central government as referred to in Article 5(6)	0.04ktoe (0.47GWh) (Note: 2015 compared to 2014; Total Cumulative Savings Years 2013 - 2015 = 9.27GWh)

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 <u>achieved</u> [ktoe] in 2014 [n-2]	Total <u>expected</u> savings [ktoe] by 2020 (voluntary)
43	EEOS	30.6	
44	SME Programme	0.9	
45	Large Industry Energy Network (LIEN)	8.9	
46	2008 Building Regulations	5.1	
47	2011 Building Regulations	2.6	
48	Energy efficient boiler regulations	8.6	
49	Accelerated Capital Allowances (AC) Public and private	6.7	
50	VRT/Motor tax aligned with emissions	7.3	
51	Behavioural Change campaign	0.043	
52			
53			
54	Total savings	70.743	