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

Please, fill in the green fields (the grey ones are strong reccomended, 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	The Netherlands

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		(i) primary energy consumption	Mtoe	Primary Energy Consumption	Energy saving - annual data [nrg_ind_334a]	B_100910	-			
A2		(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		(iii) final energy consumption - industry	ktoe	Final Energy Consumption - Industry	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_101800	All products			
A4		(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 consumprtion 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		(iii) final energy consumption - households	ktoe	Residential	Supply, transformation, consumption - all products - annual data [nrg_100a]	B_102010	All products			
A7		(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		(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		(iv) gross value added - services	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)	- Wholesale and retail trade, transport, accomodation 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		(v) disposable income for households	Million euro	Gross disposable income	Non-financial transactions [nasa_nf_tr]	Until 2017: 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		(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		(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		(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		(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 - 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	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		(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		(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		(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		domestic maritime passenger kilometres	Millions of pkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.						
A23		total national aviation passenger kilometres	Millions of pkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.						
A24		total international aviation passenger kilometres	Millions of pkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.						
A25		(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) [iww_go_atygo]	- TOTAL - TOTAL - TOTAL	- CARRIAGE: Total NSTO7: Total transported goods (TOTAL) TYPPACK: All types of packaging (TOTAL)			
A26		domestic maritime tonnes kilometres	Millions of tkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.						
A27		total national aviation tonnes kilometres	Millions of tkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.						
A28		total international aviation tonnes kilometres	Millions of tkm	Eurostat data not available. Please, provide national data with definitions/explanations in column J.						
A29		(xv) population	Persons	Population on 1 January - total	Demographic balance and crude rates [demo_gind]	JAN	-			
A30		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		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		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		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	3.155	(i) primary energy consumption	PJ	Statistics Netherlands (CBS)			27-12-2017
B2	1.842	(ii) total final energy consumption	PJ	Statistics Netherlands (CBS)	No climate adjustment, see p. 39 SWD(2013)180, Annex A	excluding non-energetic energy consumption	27-12-2017
B3	551	(iii) final energy consumption - industry	PJ	Statistics Netherlands (CBS)		excluding non-energetic energy consumption	27-12-2017
B4	435	(iii) final energy consumption - transport	PJ	Statistics Netherlands (CBS)			27-12-2017
B5		final energy consumprtion in pipeline transport	ktoe		Voluntary - See p. 39 SWD(2013)180, Annex A		
B6	413	(iii) final energy consumption - households	PJ	Statistics Netherlands (CBS)			27-12-2017
B7	283	(iii) final energy consumption - services	PJ	Statistics Netherlands (CBS)			27-12-2017
B8	149	final energy consumption - agriculture	PJ	Statistics Netherlands (CBS)	Voluntary		27-12-2017
B9	11	final energy consumption – other sectors	PJ	Statistics Netherlands (CBS)	Voluntary		27-12-2017
B10	71.734	(iv) gross value added - industry	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)	Statistics Netherlands (CBS)			23-6-2017
B11	471.424	(iv) gross value added - services	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)	Statistics Netherlands (CBS)			23-6-2017
B12	337.048	(v) disposable income for households	Million euro	Statistics Netherlands (CBS)			22-12-2017
B13	608.516	(vi) gross domestic product (GDP)	Million euro, chain-linked volumes, reference year 2005 (at 2005 exchange rates)	Statistics Netherlands (CBS)			23-6-2017
B14	115	(vii) electricity generation from thermal power generation	TWh	Statistics Netherlands (CBS)			21-12-2017
B15	42	(viii) electricity generation from CHP	TWh	Statistics Netherlands (CBS)			29-12-2017
B16	180	(ix) heat generation from thermal power generation	PJ	Statistics Netherlands (CBS)			21-12-2017
B17		Waste heat produced in industrial installations	ktoe		Voluntary - See p. 39 SWD(2013)180, Annex A		
B18	178	(x) heat generation from CHP	PJ	Statistics Netherlands (CBS)			29-12-2017
B19		Waste heat recovered from industrial installations	ktoe		Voluntary - See p. 39 SWD(2013)180, Annex A		
B20	966	(xi) fuel input for thermal power generation	PJ	Statistics Netherlands (CBS)			21-12-2017
B21	195	(xii) passenger kilometres	billion pkm	Statistics Netherlands (CBS)			25-10-2017
B22	26.970	(xiii) tonnes kilometres	million tkm	Statistics Netherlands (CBS)			22-3-2017
B23	16.979.120	(xv) population	Persons	Statistics Netherlands (CBS)			1-11-2017
B24	7.721.000	Total number of households	Households	Statistics Netherlands (CBS)	Voluntary - see p. 39 SWD(2013)180, Annex A		22-12-2017
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 requirments 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	increase due to economic growth
35	Transport	
36	Households	increase due to higher energy use for heating as the winter in 2015 was milder than in 2016
37	Services	increase due to higher energy use for heating as the winter in 2015 was milder than in 2016; please note that compared to the previous annual report this figure now excludes final energy consumption by agriculture, fisheries and unknown (160 PJ in 2016)
38	Agriculture (voluntary)	

Additional requirments 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	Major legislative in the previous year	Please select	Please select	Please select	
39-2		Please select	Please select	Please select	
39-3		Please select	Please select	Please select	
39-4		Please select	Please select	Please select	
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	Major non-legislative in the previous year	Please select	Please select	Please select	
40-2		Please select	Please select	Please select	
40-3		Please select	Please select	Please select	
40-4		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

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 on **31 December 2016** (instead of 1 January 2017)	6.211.000

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 [m2] of the buildings which did not meet the energy performance requirements referred to in Article 5(1) on 1 January 2017	use of alternative approach

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 [m2] of buildings renovated in 2016 as referred to in Article 5(1)	
42-2	Amount of energy savings [ktoe] achieved in 2016 in eligible buildings owned and occupied by their central government due to renovation of buidlings as set out in Article 5(1), expressed in primary or fnal 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 2016 in eligible buildings owned and occupied by their central government as referred to in Article 5(6), in primary or final energy	0,318 PJ final
43-12		Sum of energy savings [ktoe] achieved in eligible buildings owned and occupied by their central government through the implemenation of Article 5(6) in primary or final energy over the time period 2014 -2016	0,802 PJ final

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 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 2016 [ktoe] expressed in final energy		Total expected savings [ktoe] by 2020 expressed in final energy (voluntary)
			Total annual end-use savings achieved [ktoe] in 2016 (amount of savings from new actions implemented in 2016 and from actions implemented in 2014 and 2015 that continue delivering savings in 2016)	thereof savings achieved [ktoe] in 2016 from new actions that were implemented in 2016	
44-1	EEOS				
44-2	Alternative measure 1	Energy Investment Allowance (EIA)	1065,3	168,9	
44-3	Alternative measure 2	Long Term Agreement industry	453,8	38,6	
44-4	Alternative measure 3	Long Term Agreement big industry (MEE), excl. refineries	662,1	78,9	
44-5	Alternative measure 4	Long Term Agreement service sector	65,6	6,2	
44-6	Alternative measure 5	Policies targetted to households	1473,0	308,0	
44-7	Alternative measure 6	Policies targetted to the service sector	402,0	92,8	
44-8	Alternative measure 7	Corrections for double counting	-706,3	-107,0	
44-9	Alternative measure 8				
44-10	Alternative measure 9				
44-11	Alternative measure 10				
44-12	Total savings		3415,5	586,3	

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)	Totoal 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		