

Guidance for the template on reporting of used parameters and variables included in Annex 1, part 2, of the Energy Union Governance

The aim of this excel file is to facilitate reporting of the quantitative parameters and variables under Annex I Part 2 in the indicated format

- All parameters and variables highlighted in green are already currently requested under existing legislation (MMR, RES Directive, or Energy Efficiency Directive), see e.g. http://cdr.eionet.europa.eu/help/mmr/MMR_projections_templates_2018.zip
- All energy related parameters and variables highlighted in red might require to rely on complementary tools than standard energy system models covering also new requirements in the revised legislation
- All variables highlighted in orange correspond to indicators to be computed on the basis of parameters and variables already available elsewhere in the excel file
- The request for historical data relates to data if and when used in modelling
- All monetary Euro values shall be expressed in constant 2023 prices using ESTAT HICP deflator.
- Elements in red font are meant to provide further precision to what is currently indicated in the template in the provisionally agreed Governance Regulation. They aim to provide additional guidance or specifications and should facilitate the better understanding of modelling results by the Commission. While they remain optional, their use is much encouraged.
- Please report the used values for the years 2005 to 2040 in five yearly steps, and if possible yearly for 2021 to 2030 (the latter indicated in the red font as not required in the template in the Governance regulation).
- Column T can be used for comments that MS wish to provide (e.g. explanation of different methodology, caveats or sources of projections)

Reporting of used parameters and variables included in Annex 1, part 2,
of the Energy Union Governance as agreed in trilogue

Finland's NECP update in 2024

WEM

All parameters and variables highlighted in green are already currently requested under existing legislation (e.g MMR, RED Directive, or Energy Efficiency Directive), see e.g. http://cdr.eionet.europa.eu/help/mmr/MMR_projections_templates_2018.zip

All energy related parameters and variables highlighted in red might require to rely on complementary tools than standard energy system models, covering new requirements from the revised legislation

All variables highlighted in orange correspond to indicators to be computed on the basis of parameters and variables already available elsewhere in the excel file

		Unit	2005	2010	2015	2020	2025	2030	2035	2040	Comments MS	Comments Commission
1. General parameters and variables												
1	Population	million		5,4	5,5	5,5	5,6	5,6	5,6	5,6		
2	GDP	EUR million		252850	253810	269190	283480	306220	332180	361290		
3	Sectorial gross value added	EUR million		221300	219090	232710	248600	268540	291310	316830		
	Agriculture	EUR million										
	Construction	EUR million										
	Services	EUR million										
	Energy Sector	EUR million										
	Industry	EUR million										
4	Number of households	million		2,5	2,6	2,8	2,8	2,9	2,9	2,9		
5	Households size	inhabitants/household		2,1	2,1	2,0	2,0	1,9	1,9	1,9		
6	Disposable income of households (yearly)	EUR										Please specify the definition applied
7	Number of passenger-kilometers	million km										
	Public road transport	million km			580	523	497	542	577	592	Busses, Neither passenger kilometers nor division into passenger and freight transport was modelled so we only have total kilometres per vehicle type	
	Private cars	million km			47355	39092	39702	42165	47076	51234	Neither passenger kilometers nor division into passenger and freight transport was modelled so we only have total kilometres per vehicle type	
	Motorcycles	million km					779	689	629	593	Neither passenger kilometers nor division into passenger and freight transport was modelled so we only have total kilometres per vehicle type	
	Rail	million km										
	Aviation	million km										
	Inland navigation	million km										
8	Freight transport tonnes-kilometres	million tkm										
	Trucks	million tkm			3285	50007	52376	55041	60214	64536	Neither passenger kilometers nor division into passenger and freight transport was modelled so we only have total kilometres per vehicle type	
	Rail	million tkm										
	Inland navigation	million tkm										
9	International Fuel prices	EUR/GJ or EUR/toe										Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
	Oil	EUR/GJ or EUR/toe				7	18	18	18	19	EUR/GJ in EUR2023	Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
	Gas (NCV)	EUR/GJ or EUR/toe				4	15	13	13	13	EUR/GJ in EUR2023	Please specify if Commission's proposal or other source was applied and in the latter case specify methodology

		Unit	2005	2010	2015	2020	2025	2030	2035	2040	Comments MS	Comments Commission
	Coal	EUR/GJ or EUR/toe				2	4	4	4	4	EUR/GJ in EUR2023	Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
10	Carbon price ETS sectors	EUR/ ton CO2				27	91	91	94	120	In EUR2023	Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
11	Exchange rate to EUR and to US dollar	EUR/currency and/or USD/currency										
12	Heating degree days											Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
13	Cooling degree days											Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
14	Technology cost assumptions (see https://climate.ec.europa.eu/eu-action/climate-strategies-targets/2040-climate-target_en for technology cost assumptions as used in 2040 Climate Target Plan for suggestions on what could be relevant to report										See Table 17 in the NECP report	Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
2. energy balances and indicators												
2.1 energy supply												
1	Production (incl.recovery of products)	ktoe										
	Solids	ktoe										
	Oil	ktoe										
	Natural gas	ktoe										
	Nuclear	ktoe										
	Renewable energy sources	ktoe										
	Biogases	ktoe										please, indicate what is the projection to produce biogas (primary production), regardless on its end-use
	- out of which, injected in the natural gas grid	bcm										indicate quantity of biomethane injected in grid as in Energy Balances [TI_BNG_E] Transformation input - for blending with natural gas - energy use; 1 ktoe = 1.15 million m3
2	Net Imports (ktoe)	ktoe										
	Solids	ktoe										
	Oil	ktoe										
	Natural gas	ktoe										
	Electricity	GWh		10501	16338	15100	-3100	-1900	-2100	4300	In GWh	
3	Import Dependency	%										
4	Main import sources for energy carriers											
	Main country (please specify here) of origin of Electricity Purchases	% of total imports										
	1st main country (please specify here) of origin of Gas Purchases	% of total imports										
	2nd main country (please specify here) of origin of Gas Purchases	% of total imports										
	3rd main country (please specify here) of origin of Gas Purchases	% of total imports										If more countries to be reported please add rows
5	Gross Inland Consumption	GJ		1471227000	1302692000	1278834000	1373838000	1324897000	1274137000	1240495000	in GJ	
	Solids	GJ		278523000	157011000	112856000	71515000	48217000	22952000	2571000	in GJ	
	Oil	GJ		352240000	287559000	272127000	229321000	152276000	108199000	78758000	in GJ	
	Natural gas	GJ		152525000	82497000	75882000	41230000	27773000	19240000	15945000	in GJ	
	Nuclear	GJ		238789000	243556000	243862000	385833000	379724000	377105000	377105000	in GJ	
	Electricity	GJ									in GJ	
	Renewable energy forms	GJ		397180000	450897000	497315000	632865000	698991000	721982000	714887000	in GJ	
	Other	GJ		51970000	81172000	76792000	13074000	17916000	24659000	51229000	in GJ	
2.2. Electricity and heat												
1	Gross electricity generation	GWhe		80674	68599	69267	99163	108678	119504	122456		
2	By fuel											
	Nuclear energy	GWhe		22800	23245	23291	36890	36306	36055	36055		
	Solids	GWhe		20339	8624	5179	1925	845	391	23		
	Oil (including refinery gas)	GWhe		334	188	191	122	26	18	17		
	Gas (including derived gases)	GWhe		11090	5251	4398	1624	1253	677	346		
	Biomass-waste	GWhe		10768	11013	10779	14360	14472	12976	12668	Renewable part of waste + biomass	
	Hydro (pumping excluded)	GWhe		12922	16769	15883	14787	14868	14986	15103		

[illegible]

		Unit	2005	2010	2015	2020	2025	2030	2035	2040	Comments MS	Comments Commission
	Batteries for Evs	GWh										Useful in view of the preparation of the next Reference Scenario, model calibration, and to monitor progress on NZIA objectives.
	Electrolysers	GW										Useful to monitor progress on NZIA objectives.
3	by fuel											
	Solids	ktoe										
	Oil	ktoe		4193	3618	3475	3130	2077	1463	1041		
	Gas	ktoe		5	2	13	4	5	6	8		
	Electricity	ktoe		64	61	70	181	400	693	962		
	Heat	ktoe										
	Renewable energy forms	ktoe		132	500	406	577	952	647	464		
	Other	ktoe										
4	Final non energy consumption	ktoe										
5	Primary energy intensity of the economy	toe/euro										
6	Final energy intensity by sector											
	Industry	toe/euro of value added										Energy consumption of the sector and value added of the sector
	Agriculture	toe/euro of value added										
	Residential buildings	kWh/m2										Energy consumption of the sector and value added of the sector
	Service buildings	kWh/m2										
	Passenger transport	toe/million pkm										
	Freight transport	toe/million tkm										
2.5. Prices												
1	Electricity prices by type of using sector (residential, industry, tertiary)											
	residential	euro/MWh										
	industry	euro/MWh										
	tertiary	euro/ktoe										
2	National retail fuel prices (including taxes, per source and sector)											
	Diesel oil	euro/ktoe										
	Industry	euro/ktoe										
	Households	euro/ktoe										
	Transport private	euro/ktoe										
	Transport public	euro/ktoe										
	Gasoline	euro/ktoe										
	Transport private	euro/ktoe										
	Transport public	euro/ktoe										
	Natural gas	euro/ktoe										
	Industry	euro/ktoe										
	Households	euro/ktoe										
2.6. Investments												
	Energy-related investment costs for overall economy	% of GDP										If possible a further disaggregated overview . The following categories could be used: energy generation, energy conversion, energy storage, energy transmission and distribution, energy use, energy efficiency, CCS/CCU. Additional to the desired NECPR Annex XIII' Progress towards financing' template.
	Energy related investmentts costs for Industry	% of value added										
2.7. Renewables												
1	Gross final consumption of energy from renewable sources and share of renewable energy in gross final energy consumption and by sector (electricity, heating and cooling, transport) and by technology											
	RES in Gross Final Energy Consumption	%										In line with RED recast
	RES-H&C share	%										In line with RED recast
	RES-E share	%										In line with RED recast
	RES-T share	%										In line with RED recast (as per Art 25 (1))
	(final consumption of renewable energy in transport as contribution to overall target	%										In line with RED recast (as per Art 7 (4))

		Unit	2005	2010	2015	2020	2025	2030	2035	2040	Comments MS	Comments Commission
	Contribution of biofuels and biogas produced from feedstock listed in part A of Annex IX and consumed in transport	%										In line with RED recast
	Contribution of biofuels and biogas produced from feedstock listed in part B of Annex IX and consumed in transport	%										In line with RED recast
	Contribution from biofuels, bioliquids and biomass fuels consumed in transport, produced from food or feed crops	%										In line with RED recast
	Contribution of other biofuels and consumed in transport	%										In line with RED recast
	Contribution of renewable fuels of non-biological origin	%										
	Gross final consumption of RES for heating and cooling	ktoe										
	Gross final consumption of electricity from RES	ktoe										
	Gross final consumption of energy from RES in transport	ktoe										
	Total Gross final consumption of RES	ktoe										
	Gross final consumption of waste heat and cold for heating and cooling	ktoe										If applicable for H&C obligation
	Waste heat and cold share in gross final consumption for heating and cooling	%										If applicable for H&C obligation
	Gross final consumption of RES from district heating and cooling	ktoe										In line with RED recast
	RES share from district heating and cooling in gross final consumption for heating and cooling	%										In line with RED recast
	Gross final consumption of waste heat and cold from district heating and cooling	ktoe										In line with RED recast
	Waste heat and cold share from district heating and cooling in gross final consumption for heating and cooling	%										In line with RED recast
	Total final energy consumption (not gross final) in buildings	ktoe										As per RED Article 15a
	Total Renewables final energy consumption (not gross final) in buildings	ktoe										As per RED Article 15a
	Total waste heat final energy consumption (not gross final) in buildings (N.B. waste heat cannot be part of Total final energy consumption indicator above)	ktoe										As per RED Article 15a
	Renewables-share in buildings including waste heat	%										As per RED Article 15a
	Renewables-share in buildings excluding waste heat	%										As per RED Article 15a
	Total gross final energy consumption for energy and non-energy in industry	ktoe										As per RED Article 22a
	Total Renewables gross final energy consumption for energy and non-energy in industry	ktoe										As per RED Article 22a
	Total waste heat for energy and non-energy in industry (N.B. waste heat cannot be part of Total gross final energy consumption indicator above)	ktoe										As per RED Article 22a
	Total hydrogen for energy and non-energy in industry	ktoe										As per RED Article 22a
	Total RFNBO for energy and non-energy in industry	ktoe										As per RED Article 22a
	Renewables-share in industry	%										As per RED Article 22a
	Renewables-share in industry including waste heat	%										As per RED Article 22a
	Renewables-share in industry excluding waste heat	%										As per RED Article 22a
	Total gross final energy consumption in Heating and Cooling	ktoe										As per RED Article 23
	Total renewables gross final energy consumption in Heating and Cooling	ktoe										As per RED Article 23
	Total waste heat in Heating and Cooling (N.B. waste heat cannot be part of total gross final energy consumption indicator above)	ktoe										As per RED Article 23
	Total renewable electricity in Heating and Cooling (N.B. renewable electricity cannot be part of total gross final energy consumption indicator above)	ktoe										As per RED Article 23
	Renewables-share in Heating and Cooling	%										As per RED Article 23
	Renewables-share in Heating and Cooling including waste heat and/or renewable electricity	%										As per RED Article 23
	Renewables-share in Heating and Cooling excluding waste heat and/or renewable electricity	%										As per RED Article 23
	Total gross final energy consumption in District Heating and Cooling	ktoe										As per RED Article 24
	Total renewables gross final energy consumption in District Heating and Cooling	ktoe										As per RED Article 24
	Total waste heat in District Heating and Cooling (N.B. waste heat cannot be part of total gross final energy consumption indicator above)	ktoe										As per RED Article 24
	Total renewable electricity in District Heating and Cooling (N.B. renewable electricity cannot be part of total gross final energy consumption indicator)	ktoe										As per RED Article 24
	Renewables-share in District Heating and Cooling	%										As per RED Article 24
	Renewables-share in District Heating and Cooling including waste heat and/or renewable electricity	%										As per RED Article 24
	Renewables-share in District Heating and Cooling excluding waste heat and/or renewable electricity	%										As per RED Article 24
2	Electricity and heat generation from renewable energy in buildings (as defined in Article 2(1) of Directive 2010/31/EU); this shall include, where available , disaggregated data on energy produced, consumed and injected into the grid by solar photovoltaic systems, solar thermal systems, biomass, heat pumps, geothermal systems, as well as all other decentralized renewables systems)											Add additional rows if necessary

		Unit	2005	2010	2015	2020	2025	2030	2035	2040	Comments MS	Comments Commission
3	If applicable, other national trajectories, including long-term or sectorial ones (the share of food-based and advanced biofuels, the share of renewable energy in district heating, as well as the renewable energy produced by cities and energy communities as defined by Article 22 of [recast of Directive 2009/28/EC as proposed by COM(2016) 767])											Add additional rows if necessary
3. GHG emissions and removals related indicators												
1	GHG emissions by policy sector (EU ETS, Effort Sharing Regulation and LULUCF)	tCO2eq										
	ETS sector emissions (in ETS scope since 2013)	tCO2eq									See the annex on projections	
	Effort Sharing sector GHG emissions (in scope since 2013)	tCO2eq									See the annex on projections	
	LULUCF (accounted according to EU legislation requirements)	tCO2eq									See the annex on projections	
2	GHG emissions by IPCC sector and by gas (where relevant split into EU ETS and Effort Sharing sectors).	tCO2eq										
3	Carbon intensity of the overall economy	tCO2eq/GDP										
4	CO2 emission related indicators											
a	GHG intensity of domestic power and heat generation	tCO2eq/MWh										
b	GHG intensity of final energy consumption by sector	tCO2eq/toe										
	Industry	tCO2eq/toe										
	Residential	tCO2eq/toe										
	Tertiary	tCO2eq/toe										
	Passenger tranport	tCO2eq/toe										
	Freight transport	tCO2eq/toe										
5	Non-CO2 GHG emission related parameters											
a	Livestock											
	dairy cattle	1000 heads	319	289	285	260	231	225	221	223		
	non-dairy cattle	1000 heads	640	636	630	587	565	548	547	540		
	pigs	1000 heads	1.360	1.340	1.239	1.104	935	888	894	899		
	sheep	1000 heads	90	126	155	140	132	132	132	132		
	poultry	1000 heads	10.538	9.587	12.927	13.577	14.876	14.914	14.912	15.007		
b	Nitrogen input from application of synthetic fertilizers	kt nitrogen	150	157	143	145	137	133	128	136		
c	Nitrogen input from application of manure	kt nitrogen	89	90	91	91	78	76	78	79		
d	Nitrogen fixed by N-fixing crops	kt nitrogen										
e	Nitrogen in crop residues returned to soils	kt nitrogen	87	83	105	93	85	102	105	98		
f	Area of cultivated organic soils	hectares	305.989	316.685	327.064	341.031	341.856	312.316	311.386	313.556		
g	Municipal solid waste (MSW) generation	t										
h	Municipal solid waste (MSW) going to landfills	t	1.462.639	1.092.684	316.346	14.988	12.000	12.000	12.000	12.000		
i	Share of CH4 recovery in total CH4 generation from landfills	%	28%	28%	28%	20%	20%	20%	19%	19%		

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All energy related parameters and variables highlighted in red might require to rely on complementary tools than standard energy system models, covering new requirements from the revised legislation												
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		Unit	2005	2010	2015	2020	2025	2030	2035	2040	Comments MS	Comments Commission
1. General parameters and variables												
1	Population	million										
2	GDP	EUR million										
3	Sectorial gross value added	EUR million										
	Agriculture	EUR million										
	Construction	EUR million										
	Services	EUR million										
	Energy Sector	EUR million										
	Industry	EUR million										
4	Number of households	million										
5	Households size	inhabitants/household										
6	Disposable income of households (yearly)	EUR										Please specify the definition applied
7	Number of passenger-kilometers	million pkm										
	Public road transport	million pkm										
	Private cars	million pkm										
	Motorcycles	million pkm										
	Rail	million pkm										
	Aviation	million pkm										
	Inland navigation	million pkm										
8	Freight transport tonnes-kilometres	million tkm										
	Trucks	million tkm										
	Rail	million tkm										
	Inland navigation	million tkm										
9	International Fuel prices	EUR/GJ or EUR/toe										Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
	Oil	EUR/GJ or EUR/toe										Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
	Gas (NCV)	EUR/GJ or EUR/toe										Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
	Coal	EUR/GJ or EUR/toe										Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
10	Carbon price ETS sectors	EUR/ ton CO2										Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
11	Exchange rate to EUR and to US dollar	EUR/currency and/or USD/currency										
12	Heating degree days											Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
13	Cooling degree days											Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
14	Technology cost assumptions (see https://climate.ec.europa.eu/eu-action/climate-strategies-targets/2040-climate-target_en for technology cost assumptions as used in 2040 Climate Target Plan for suggestions on what could be relevant to report											Please specify if Commission's proposal or other source was applied and in the latter case specify methodology
2. energy balances and indicators												
2.1 energy supply												
1	Production (incl.recovery of products)	ktoe										
	Solids	ktoe										
	Oil	ktoe										
	Natural gas	ktoe										
	Nuclear	ktoe										
	Renewable energy sources	ktoe										
	Biogases	ktoe										please, indicate what is the projection to produce biogas (primary production), regardless on its end-use
	- out of which, injected in the natural gas grid	bcm										indicate quantity of biomethane injected in grid as in Energy Balances [TI_BNG_E] Transformation input - for blending with natural gas - energy use; 1 ktoe = 1.15 million m3
2	Net Imports (ktoe)	ktoe										
	Solids	ktoe										
	Oil	ktoe										
	Natural gas	ktoe										
	Electricity	ktoe										
3	Import Dependency	%										
4	Main import sources for energy carriers											
	Main country (please specify here) of origin of Electricity Purchases	% of total imports										
	1st main country (please specify here) of origin of Gas Purchases	% of total imports										
	2nd main country (please specify here) of origin of Gas Purchases	% of total imports										
	3rd main country (please specify here) of origin of Gas Purchases	% of total imports										If more countries to be reported please add rows

Unit		2005	2010	2015	2020	2025	2030	2035	2040	Comments MS	Comments Commission
5	Gross Inland Consumption	ktoe									
	Solids	ktoe									
	Oil	ktoe									
	Natural gas	ktoe									
	Nuclear	ktoe									
	Electricity	ktoe									
	Renewable energy forms	ktoe									
	Other	ktoe									
2.2. Electricity and heat											
1	Gross electricity generation	GWhe									
2	By fuel										
	Nuclear energy	GWhe									
	Solids	GWhe									
	Oil (including refinery gas)	GWhe									
	Gas (including derived gases)	GWhe									
	Biomass-waste	GWhe									
	Hydro (pumping excluded)	GWhe									
	Wind	GWhe									
	Solar	GWhe									
	Geothermal and other renewables	GWhe									
	Other fuels (hydrogen, methanol)	GWhe									
3	Share of power generation from combined heat and power generation in total electricity generation (CHP electricity generation divided by the total gross electricity generation, including the generation in pumped storage power stations)	%									
	Share of heat generation from combined heat and power generation in total heat generation (CHP heat generation divided by the total heat for district heating)	%									
4	Capacity electricity generation including retirements and new investments [note: split between retirements and new investments may not be straightforward to obtain with standard models. Complementary assumptions may need to be made]	GW									
	Nuclear energy	GW									
	Solids	GW									
	Oil (including refinery gas)	GW									
	Gas (including derived gases)	GW									
	Biomass-waste	GW									
	Biogases	GW									
	Hydro (pumping excluded)	GW									
	Wind	GW									
	Solar	GW									
	Geothermal and other renewables	GW									
	Other fuels (hydrogen, methanol)	GW									
	Installed capacity of stationary batteries	GWh									Might be significant by 2040, useful in view of the preparation of the next Reference Scenario, model calibration, and to monitor progress on NZIA objectives.
5	Heat generation from thermal power generation	GWhe									
6	Heat generation from combined heat and power plants, including industrial waste heat	GWhe									
7	Cross-border interconnection capacities for electricity [the level of electricity interconnectivity in line with Article 4(d)(1) and the relevant annex of the Energy Union Governance regulation] and their projected usage rates [note that such information may not be available in standard energy system models; complementary tools or assumptions might be needed]										
2.3. Transformation sector											
1	Fuel Inputs to Thermal Power Generation	ktoe									
	Solids	ktoe									
	Oil	ktoe									
	Gas	ktoe									
2	Fuel Input to other conversion processes	ktoe									
2.4. Energy consumption											
1	Primary energy consumption	ktoe									In practice this is the PEC(2020-2030) indicator of Eurostat
1	Final energy consumption	ktoe									In practice this is the FEC(2020-2030) indicator of Eurostat
2	by sector										
	Industry	ktoe									
	Residential	ktoe									
	Tertiary	ktoe									(Eurostat) Services?
	Transport	ktoe									
	Other	ktoe									(Eurostat) Fishing+Agriculture/Forestry+Others
	Number of heat pumps	Million Units									Useful in view of the preparation of the next Reference Scenario, model calibration, and to monitor progress on NZIA objectives.
	By transport activity, when available										
	Passenger transport	ktoe									
	Freight transport	ktoe									
	Batteries for Evs	GWh									Useful in view of the preparation of the next Reference Scenario, model calibration, and to monitor progress on NZIA objectives.
	Electrolysers	GW									Useful to monitor progress on NZIA objectives.
3	by fuel										
	Solids	ktoe									
	Oil	ktoe									
	Gas	ktoe									

		Unit	2005	2010	2015	2020	2025	2030	2035	2040	Comments MS	Comments Commission
	Electricity	ktoe										
	Heat	ktoe										
	Renewable energy forms	ktoe										
	Other	ktoe										
4	Final non energy consumption	ktoe										
5	Primary energy intensity of the economy	toe/euro										
6	Final energy intensity by sector											
	Industry	toe/euro of value added										Energy consumption of the sector and value added of the sector
	Residential	toe/euro of value added										Energy consumption of the sector and value added of the sector
	Tertiary	toe/euro of value added										Energy consumption of the sector and value added of the sector
	Passenger transport	toe/million pkm										
	Freight transport	toe/million tkm										
2.5. Prices												
1	Electricity prices by type of using sector (residential, industry, tertiary)											
	residential	euro/MWh										
	industry	euro/MWh										
	tertiary	euro/ktoe										
2	National retail fuel prices (including taxes, per source and sector)											
	Diesel oil	euro/ktoe										
	Industry	euro/ktoe										
	Households	euro/ktoe										
	Transport private	euro/ktoe										
	Transport public	euro/ktoe										
	Gasoline	euro/ktoe										
	Transport private	euro/ktoe										
	Transport public	euro/ktoe										
	Natural gas	euro/ktoe										
	Industry	euro/ktoe										
	Households	euro/ktoe										
2.6. Investments												
	Energy-related investment costs for overall economy	% of GDP										If possible a further disaggregated overview . The following categories could be used: energy generation, energy conversion, energy storage, energy transmission and distribution, energy use, energy efficiency, CCS/CCU. Additional to the desired NECPR Annex XIII' Progress towards financing' template.
	Energy related investments costs for Industry	% of value added										
2.7. Renewables												
1	Gross final consumption of energy from renewable sources and share of renewable energy in gross final energy consumption and by sector (electricity, heating and cooling, transport) and by technology											
	RES in Gross Final Energy Consumption	%										In line with RED recast
	RES-H&C share	%										In line with RED recast
	RES-E share	%										In line with RED recast
	RES-T share	%										In line with RED recast (as per Art 25 (1))
	(final consumption of renewable energy in transport as contribution to overall target	%										In line with RED recast (as per Art 7 (4))
	Contribution of biofuels and biogas produced from feedstock listed in part A of Annex IX and consumed in transport	%										In line with RED recast
	Contribution of biofuels and biogas produced from feedstock listed in part B of Annex IX and consumed in transport	%										In line with RED recast
	Contribution from biofuels, bioliquids and biomass fuels consumed in transport, produced from food or feed crops	%										In line with RED recast
	Contribution of other biofuels and consumed in transport	%										In line with RED recast
	Contribution of renewable fuels of non-biological origin	%										
	Gross final consumption of RES for heating and cooling	ktoe										
	Gross final consumption of electricity from RES	ktoe										
	Gross final consumption of energy from RES in transport	ktoe										
	Total Gross final consumption of RES	ktoe										
	Gross final consumption of waste heat and cold for heating and cooling	ktoe										If applicable for H&C obligation
	Waste heat and cold share in gross final consumption for heating and cooling	%										If applicable for H&C obligation
	Gross final consumption of RES from district heating and cooling	ktoe										In line with RED recast
	RES share from district heating and cooling in gross final consumption for heating and cooling	%										In line with RED recast
	Gross final consumption of waste heat and cold from district heating and cooling	ktoe										In line with RED recast
	Waste heat and cold share from district heating and cooling in gross final consumption for heating and cooling	%										In line with RED recast
	Total final energy consumption (not gross final) in buildings	ktoe										As per RED Article 15a
	Total Renewables final energy consumption (not gross final) in buildings	ktoe										As per RED Article 15a
	Total waste heat final energy consumption (not gross final) in buildings (N.B. waste heat cannot be part of Total final energy consumption indicator above)	ktoe										As per RED Article 15a
	Renewables-share in buildings including waste heat	%										As per RED Article 15a
	Renewables-share in buildings excluding waste heat	%										As per RED Article 15a
	Total gross final energy consumption for energy and non-energy in industry	ktoe										As per RED Article 22a
	Total Renewables gross final energy consumption for energy and non-energy in industry	ktoe										As per RED Article 22a
	Total waste heat for energy and non-energy in industry (N.B. waste heat cannot be part of Total gross final energy consumption indicator above)	ktoe										As per RED Article 22a
	Total hydrogen for energy and non-energy in industry	ktoe										As per RED Article 22a
	Total RFNBO for energy and non-energy in industry	ktoe										As per RED Article 22a
	Renewables-share in industry	%										As per RED Article 22a
	Renewables-share in industry including waste heat	%										As per RED Article 22a

