

# Energy balance sheets

2016 DATA

2018 edition





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**2016 DATA**

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# Introduction

## What is an energy balance?

The energy balance is the most complete statistical accounting of energy products and their flow in the economy. The energy balance allows users to see the total amount of energy extracted from the environment, traded, transformed and used by end-users. It also allows seeing the relative contribution of each energy carrier (fuel, product). The energy balance allows studying the overall domestic energy market and monitoring impacts of energy policies. The energy balance offers a complete view on the energy situation of a country in a compact format, such as on energy consumption of the whole economy and of individual sectors.

The energy balance presents all statistically significant energy products (fuels) of a country and their production, transformation and consumption by different type of economic actors (industry, transport, etc.). Therefore, an energy balance is the natural starting point to study the energy sector. The energy balance is a multi-purpose tool to:

- Provide comprehensive information on the energy supply and demand in order to understand the energy security situation, the effective functioning of energy markets and other relevant policy goals, as well as to formulate energy policies;
- Provide the essential basis for calculating various indicators, including indicators monitoring progress towards Energy Union and Europe 2020 targets (energy efficiency indicators, share of renewable energy, energy dependency, etc.);
- Ensure comparability of statistical information between different reference periods and between different countries/regions;
- Provide data for the calculation of greenhouse gas emissions from fuel combustion;
- Serve as a quality tool to ensure completeness, consistency and comparability of energy statistics;
- Provide an input for modelling and forecasting.

## The use of energy balances

In 1976 the United Nations Statistical Commission agreed on the use of energy balances as the key instrument to coordinate work on energy statistics and to provide data in a suitable form to understand and analyse the role of energy in the economy. Energy balance is the starting point for constructing several indicators, such as import dependency. Certain aggregates of the energy balance contribute to cross-domain indicators, such as energy intensity (energy input per unit of output (GDP)). More generally, a number of questions can be answered by looking at the data in the energy balance (such as the evolution of energy consumption by sector or efficiency of electricity generation from combustible fuels).

In addition, the energy balance can be used as a high-level check on the data quality: the coherence and accuracy of energy statistics reported for individual energy products. Large statistical differences in energy units, apparent energy gains, significant losses in transformation processes, unexplained variations in indicators may point towards underlying data problems.

Overall, the energy balance is an extremely useful and powerful tool, which is complemented by additional indicators calculated and disseminated by Eurostat. Such indicators include:

- Detailed data on origin and destinations of international trade (import/export data);
- Technical data: generation and production capacities, data on fuel stockholding, various product or flow specific indicators;
- Additional disaggregation of certain statistics into specific subcategories.

## Legal basis

Eurostat's energy balances are based on the data collections established by [Regulation \(EC\) No 1099/2008 on energy statistics](#). In this Regulation, Annex A defines the geographical scope, aggregates as well as sectors (supply, transformation sector, energy sector, final consumption, end-use specification) and Annex B defines the specific modalities for annual energy statistics (including energy products).

## Energy balances in European policy decision making

The European [Energy Strategy](#) and [Energy Union](#) need to be underpinned by statistical evidence for sound decision making. To this end, energy balances are a key input for the Commission's [impact assessments](#) in the area of energy policies.

As energy is vital to many sectors of economy, energy data are used for other purposes too, notably transport and climate change.

The European Union's energy policy targets include the need for secure energy supplies, sustainable energy consumption and lower fossil fuel dependence. Energy balances help assessing progress in these areas. They are also a key input for monitoring the energy efficiency target of the Europe 2020 strategy.

[Directive 2012/27/EU](#) on energy efficiency and its implementation measures refer to the aggregates of energy balances published by Eurostat. In the context of Eurostat's work on [sustainable development indicators](#), energy balances provide a central contribution to [Affordable and clean energy](#).

## The current edition

The current publication presents the simplified energy balance sheets for the reference year 2016 and time series of key elements of energy balances for the years 1990, 2000, 2005, 2010, 2014, 2015 and 2016. Energy data are available for all Member States of the European Union as well as Iceland, Norway, Montenegro, The Former Yugoslav Republic of Macedonia, Albania, Serbia, Turkey, Kosovo (UNSCR 1244/99), Moldova, Ukraine and Georgia. The energy balance expresses all forms of energy in a common accounting unit "ktoe" (thousands tonnes of oil equivalent).

## Methodology

In a simplified way, we can say that an energy balance is a matrix, where columns are energy products (fuels) and rows are energy flows (production – transformation – consumption sectors). Put differently, the concept an energy balance is an accounting framework for the compilation, reconciliation and understanding of data on all energy products entering, exiting and used within a country during one calendar year.

The energy balance is constructed for each calendar year.

## Key principles of constructing energy balances

Energy balances are expressed in thousands of tonnes of oil equivalent (ktoe). The tonne of oil equivalent is a standardized energy unit defined as a net calorific value of  $10^7$  kilocalories (41 868 MJ), which is roughly the net energy equivalent of a tonne of crude oil.

Energy balances are compiled according to Eurostat's methodology which is based on the physical energy content method. The general principle of this method is that the primary energy form should be the first energy form in the production process which is used for various energy purposes. For directly combustible energy products (for example coal, crude oil, natural gas, biomass, waste) it is their energy content. For products that are not directly combustible, the application of this principle leads to the choice of **heat** as the primary energy form for nuclear, geothermal and solar thermal; and to the choice of **electricity** as the primary energy form for solar photovoltaic, wind, hydro, tide, wave, ocean.

In case the amount of heat produced in the nuclear reactor is not known, the primary energy equivalent is calculated from the electricity generation by assuming an efficiency of 33%. In case of electricity and heat generated from geothermal energy, if the actual amount of geothermal heat is not known, the primary energy equivalent is calculated assuming an efficiency of 10% for electricity production and 50% for derived heat production.

## Definitions of product aggregates

For definitions of specific products please refer to Annex A of Regulation (EC) No 1099/2008 on energy statistics and/or the reporting instructions for the annual energy questionnaires, that are available within the [Energy section](#) on [Eurostat's website](#).

Category "**Solid fossil fuels**" includes Anthracite, Coking Coal, Other Bituminous Coal, Sub-bituminous Coal, Coke Oven Coke, Gas Coke, Lignite (Brown Coal), BKB, Peat, Peat Products, Patent Fuels, Coal Tar, Oil shale and oil sands.

Category "**Crude oil & petroleum products**" includes categories *Crude oil & other hydrocarbons* and *Petroleum products*.

Category "**Crude oil & other hydrocarbons**" includes Crude oil, NGL (Natural Gas Liquids), Refinery feedstocks, Additives/Oxygenates (excluding liquid biofuels) and Other hydrocarbons.

Category "**Petroleum products**" includes Refinery gas, Ethane, LPG, Motor gasoline, Aviation gasoline, Gasoline type jet fuel, Kerosene type jet fuel, Other kerosene, Naphtha, Gas/Diesel oil, Fuel oil, White spirit and SBP, Lubricants, Bitumen, Petroleum coke, Paraffin waxes and Other products.

Category "**All other oil & petroleum products**" includes all elements of category Crude oil & petroleum products complementary to the 5 individual petroleum products shown in the table.

Category "**Gas**" includes Natural gas and category *Derived gases*.

Category "**Derived gases**" includes Coke Oven Gas, Blast Furnace Gas, Gas Works Gas, Other recovered gases.

Category "**Renewable energies**" includes Solid biofuels and Charcoal and categories *Liquid biofuels* and *All other renewable energies*.

Category "**Liquid biofuels**" includes Biogasoline, Biodiesels, Bio jet kerosene, Other liquid biofuels.

Category "**All other renewable energies**" includes Hydro power, Tide, Wave and Ocean, Wind power, Solar energy (solar thermal + solar photovoltaic), Geothermal Energy, Biogases, Municipal Waste (renewable).

Category "**Non-renewable wastes**" includes Municipal waste (non-renewable), Industrial wastes.

Category "**Total (all products)**" includes Nuclear heat, Electricity, Derived heat and categories *Solid fossil fuels*, *Crude oil & petroleum products*, *Gas*, *Renewable energies*, *Non-renewable wastes*.



## Definitions of key elements in the energy balance

For the definition of specific balance flows please refer to Annex A and Annex B of Regulation (EC) No 1099/2008 on energy statistics and/or the reporting instructions for the annual energy questionnaires, that are available within the [Energy section](#) on [Eurostat's website](#).

The additional elements of Eurostat's energy balances (not defined in the documents specified above) are the following:

**Gross inland consumption** = primary production + primary product receipt + other sources (recovered products) + recycled products + imports + stock changes – exports – bunkers – direct use

**Available for final consumption** = gross inland consumption – transformation input + transformation output + exchanges, transfers and returns – consumption of the energy branch – distribution losses

**Statistical difference** = available for final consumption – final non-energy consumption – final energy consumption

Readers should pay attention when interpreting values for these elements. For some derived products (such as electricity) the value of gross inland consumption is representing only the amount of net trade. For some other derived products (such as petroleum products) the value of gross inland consumption is representing the amount of net trade, stock changes and consumption in the international marine bunkers. As evident from the examples above, the value of gross inland consumption can also be negative.

Negative values for the element available for final consumption indicate inaccuracies in statistical data collections or reporting.

While the statistical difference can be a measure of the quality of data – it symbolises the statistical balance between supply and consumption of energies, its zero value might also be a result of a methodological approach that attributes non-surveyed elements of energy into, among others, one of the following categories: not elsewhere specified, stock changes or distribution losses. Consequently, in some cases low values of statistical difference might indicate data of higher quality than a dataset with a statistical difference equal to zero.

## Interpretations of empty cells and zeros

The statistical data collection system in the joint annual energy questionnaires cannot distinguish between the following cases:

- Data are not available to the reporting authority
- Data are confidential and not shown
- Energy quantity is a real zero (aka no consumption)
- Consumption is negligible (quantity is less than 0.5 of the respective reporting unit)

All these cases are shown as “zero” in the questionnaire and as blank cells in the data tables in this publication.

In the data tables, symbol “0” indicates value between 0 and 0.5 and symbol “-0” indicates a value between -0.5 and 0. Values bigger than 0.5 and lower than -0.5 are indicated by the respective value rounded to zero decimal places. This however applies only to non-zero data points reported during data collection (see paragraph above).

## Calorific values

Data reported in the annual energy questionnaires in physical units (tonnes) have been converted to energy units using national calorific values. In case these values were not provided, the values shown in Table 1 were used:

**Table 1: Default calorific values**

Product	Calorific value (GJ/t)	Product	Calorific value (GJ/t)
Patent Fuel	29.3	Other Kerosene	43.0
Coke Oven Coke	28.5	Gasoline Type Jet Fuel	43.0
Gas Coke	28.0	Kerosene Type Jet Fuel	43.0
Coal Tar	37.7	Naphtha	44.0
BKB/PB	20.0	Gas/Diesel oil	42.6
Natural Gas Liquids	44.0	Residual Fuel Oil	40.0
Refinery Feedstocks	42.5	Fuel Oil	40.0
Additives/Oxygenates	42.5	White Spirit & SBP	43.6
Other Hydrocarbons	42.5	Lubricants	42.0
Biofuels	36.8	Bitumen	39.0
Refinery Gas	49.5	Petroleum Coke	32.0
Ethane	49.5	Paraffin Waxes	40.0
LPG	46.0	Other Oil Products	40.0
Motor Gasoline	44.0	Charcoal	30.0
Aviation Gasoline	44.0		

In order to achieve a consistent energy balance the calorific value for quantities of crude oil entering the refining process have been back-calculated on the basis of the more reliable calorific values of the petroleum products.

## Access to detailed data and additional information

Annual data are available as time series starting in 1990. Full energy balances cannot be properly presented in a pdf format. Readers requiring more detailed energy data are kindly requested to visit Eurostat's website, which offers user-friendly access to detailed data in the energy domain:

### Energy database

<http://ec.europa.eu/eurostat/web/energy/data/database>

### Complete energy balances in the MS Excel format for all years (1990-2016)

<http://ec.europa.eu/eurostat/web/energy/data/energy-balances>

### Sankey diagrams (Energy flow diagrams)

<http://ec.europa.eu/eurostat/cache/sankey/sankey.html>

### Shedding light on energy in the EU (Digital publication on energy)

<http://ec.europa.eu/eurostat/cache/infographs/energy/>

### Statistics Explained articles – Energy

<http://ec.europa.eu/eurostat/statistics-explained/index.php/Category:Energy>

## Contact

Please use the following link for any questions or comments:

<http://ec.europa.eu/eurostat/help/support>

European Union (28 countries), 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	755 389	131 850	74 354	107 238	216 703	210 708	14 537		
+ Primary production receipt	9 397		9 397						
+ Other sources (recovered products)	4 522	404	3 818	300					
+ Recycled products	1 044		1 044						
+ Imports	1 483 219	134 902	941 564	357 102		16 395	385	32 865	6
+ Stock changes	21 263	11 807	3 423	5 944		89	0		
- Exports	579 508	38 239	411 746	87 613		10 574	29	31 301	5
- Bunkers	44 152		44 151	1					
- Direct use	10 559		10 559						
<b>Gross inland consumption</b>	<b>1 640 615</b>	<b>240 724</b>	<b>567 142</b>	<b>382 969</b>	<b>216 703</b>	<b>216 618</b>	<b>14 893</b>	<b>1 564</b>	<b>1</b>
<b>Transformation input</b>	<b>1 294 958</b>	<b>224 492</b>	<b>654 689</b>	<b>125 132</b>	<b>216 703</b>	<b>61 875</b>	<b>11 027</b>	<b>272</b>	<b>768</b>
+ Conventional thermal power stations	358 478	165 433	12 820	114 576		54 977	9 905		768
+ Nuclear power stations	216 703				216 703				
+ District heating plants	21 015	3 544	963	8 654		6 459	1 122	272	
+ Coke ovens	36 597	36 215	355	27					
+ Blast furnaces	12 918	12 918							
+ Gas works	695	674		21					
+ Refineries	640 308		640 308						
+ Patent fuel plants	219	142	77						
+ BKB/PB plants	4 385	4 385							
+ Charcoal production plants	209					209			
+ Coal liquefaction plants	901	901							
+ For blended natural gas	391		162			230			
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	2 138	279	4	1 855					
<b>Transformation output</b>	<b>963 032</b>	<b>31 378</b>	<b>640 125</b>	<b>20 223</b>		<b>62</b>		<b>212 054</b>	<b>59 192</b>
+ Conventional thermal power stations	181 172							139 854	41 319
+ Nuclear power stations	72 303							72 200	103
+ District heating plants	17 770								17 770
+ Coke ovens	34 193	27 365		6 828					
+ Blast furnaces	12 918			12 918					
+ Gas works	477			477					
+ Refineries	640 125		640 125						
+ Patent fuel plants	173	173							
+ BKB/PB plants	3 840	3 840							
+ Charcoal production plants	62					62			
<b>Exchanges, transfers and returns</b>	<b>2 969</b>		<b>2 969</b>			<b>- 65 240</b>		<b>65 240</b>	
<b>Consumption of the energy branch</b>	<b>80 128</b>	<b>636</b>	<b>33 402</b>	<b>19 028</b>		<b>654</b>	<b>87</b>	<b>21 408</b>	<b>4 913</b>
<b>Distribution losses</b>	<b>26 372</b>	<b>35</b>	<b>53</b>	<b>3 093</b>		<b>24</b>		<b>17 612</b>	<b>5 554</b>
<b>Available for final consumption</b>	<b>1 205 158</b>	<b>46 938</b>	<b>522 093</b>	<b>255 939</b>		<b>88 886</b>	<b>3 780</b>	<b>239 565</b>	<b>47 957</b>
<b>Statistical difference</b>	<b>- 433</b>	<b>- 163</b>	<b>2 482</b>	<b>- 2 875</b>		<b>- 63</b>		<b>160</b>	<b>26</b>
<b>Final non-energy consumption</b>	<b>97 773</b>	<b>1 763</b>	<b>82 480</b>	<b>13 530</b>					
<b>Final energy consumption</b>	<b>1 107 818</b>	<b>45 338</b>	<b>437 131</b>	<b>245 284</b>		<b>88 949</b>	<b>3 780</b>	<b>239 405</b>	<b>47 932</b>
+ Industry	276 823	33 774	27 513	86 242		22 542	3 524	87 115	16 112
+ Iron and Steel	48 954	23 083	635	14 780		5	46	9 899	506
+ Chemical and Petrochemical	51 356	2 919	7 486	17 413		441	563	15 580	6 954
+ Non-ferrous metals	9 631	268	314	3 405		2	11	5 481	150
+ Non-metallic minerals	33 851	4 240	6 548	12 758		1 620	2 601	5 848	237
+ Transport eEquipment	8 694	241	395	2 763		19	0	4 674	603
+ Machinery	18 819	80	1 070	6 795		163	5	10 131	575
+ Mining and Quarrying	3 420	180	854	594		71		1 603	118
+ Food, Beverages and Tobacco	29 556	1 227	1 956	13 858		1 147	5	10 049	1 314
+ Paper, Pulp and Printing	33 848	1 023	744	6 775		12 968	125	9 975	2 239
+ Wood and Wood products	8 600	38	215	641		5 045	37	2 140	484
+ Construction	7 042	31	3 388	1 756		108	1	1 712	45
+ Textile and Leather	4 354	63	253	2 087		19	0	1 784	148
+ Not elsewhere specified (Industry)	18 699	381	3 656	2 618		934	130	8 240	2 739
+ Transport	367 272	12	344 648	3 284		13 840		5 488	
+ Rail	6 410	12	1 941			33		4 424	
+ Road	300 157		284 494	1 744		13 796		123	
+ International aviation	47 482		47 482						
+ Domestic aviation	5 849		5 849						
+ Domestic navigation	4 575		4 570			5			
+ Pipeline transport	1 662		1	1 505				156	
+ Not elsewhere specified (Transport)	1 138		312	35		7		785	
+ Other sectors	463 723	11 552	64 969	155 758		52 567	256	146 801	31 820
+ Commercial and public services	150 043	923	15 668	46 281		4 889	255	72 754	9 274
+ Residential	284 832	9 507	33 139	105 175		45 369		69 494	22 148
+ Agriculture / Forestry	24 079	1 082	12 992	3 426		2 132	1	4 194	252
+ Fishing	1 426		1 236	2		46		142	
+ Not elsewhere specified (Other)	3 343	40	1 934	874		131		217	146

Source: Eurostat (nrg\_100a)

European Union (28 countries)	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	943 010	943 132	904 267	837 528	773 976	767 430	755 389	-0.85	-1.71
Solid fossil fuels	366 711	213 022	195 021	164 148	149 221	144 881	131 850	-3.86	-3.59
Crude oil & other hydrocarbons	131 517	172 228	133 092	97 140	69 833	74 944	74 354	-2.17	-4.36
Natural gas	163 993	209 785	190 490	159 280	118 042	107 330	107 238	-1.62	-6.38
Nuclear heat	205 205	243 841	257 516	236 562	226 141	221 202	216 703	+0.21	-1.45
Renewable energies	71 802	98 198	120 264	169 161	197 880	205 781	210 708	+4.23	+3.73
Non-renewable wastes	3 782	6 058	7 884	11 238	12 859	13 291	14 537	+5.31	+4.38
<b>Net imports</b>	755 309	826 772	980 266	955 583	881 966	901 616	903 711	+0.69	-0.93
Solid fossil fuels	80 995	98 142	125 196	111 633	123 061	111 522	96 663	+0.68	-2.37
Crude oil & other hydrocarbons	504 817	513 147	578 126	536 211	516 501	544 509	535 911	+0.23	-0.01
Petroleum products	29 759	19 662	19 930	21 386	3 158	- 8 797	- 6 094		
Natural gas	135 671	193 502	254 072	279 718	231 706	246 971	269 489	+2.67	-0.62
Renewable energies	155	343	1 596	5 979	5 944	5 863	5 821	+14.95	-0.45
<b>Gross inland consumption</b>	1 669 611	1 729 801	1 831 065	1 765 191	1 608 412	1 629 315	1 640 615	-0.07	-1.21
Solid fossil fuels	454 392	321 097	318 027	283 207	268 776	262 747	240 724	-2.41	-2.67
Crude oil & petroleum products	632 076	662 066	679 281	610 627	551 801	560 910	567 142	-0.42	-1.22
Gas	298 097	396 230	445 214	447 695	343 548	357 943	382 969	+0.97	-2.57
Nuclear heat	205 205	243 841	257 516	236 562	226 141	221 202	216 703	+0.21	-1.45
Renewable energies	72 147	98 529	121 797	175 206	203 686	211 673	216 618	+4.32	+3.60
Non-renewable wastes	3 782	6 062	7 884	11 257	13 128	13 613	14 893	+5.41	+4.78
<b>Transformation input</b>	1 412 194	1 433 509	1 503 601	1 398 301	1 280 145	1 305 085	1 294 958	-0.33	-1.27
Conventional thermal power stations	390 903	384 428	429 511	413 550	358 064	360 918	358 478	-0.33	-2.35
Nuclear power stations	205 205	243 841	257 516	236 562	226 141	221 202	216 703	+0.21	-1.45
District heating plants	26 568	20 102	20 492	23 384	20 024	20 365	21 015	-0.90	-1.76
Coke-ovens	81 527	51 863	45 971	42 201	38 691	37 636	36 597	-3.03	-2.35
Blast-furnaces	17 188	15 080	15 147	13 237	13 527	13 350	12 918	-1.09	-0.41
Refineries	658 122	711 895	728 550	661 352	614 561	642 382	640 308	-0.11	-0.54
BKB / PB plants	25 088	3 838	4 118	4 303	5 018	4 662	4 385	-6.49	+0.31
<b>Transformation output</b>	1 037 898	1 056 057	1 102 725	1 021 901	934 482	963 796	963 032	-0.29	-0.98
Conventional thermal power stations	170 188	179 660	208 942	206 097	173 806	177 934	181 172	+0.24	-2.13
Nuclear power stations	68 513	81 331	85 943	78 934	75 445	73 803	72 303	+0.21	-1.45
District heating plants	20 125	17 045	16 833	19 273	16 652	17 042	17 770	-0.48	-1.34
Coke-ovens	75 122	46 757	43 227	38 514	35 753	34 976	34 193	-2.98	-1.96
Blast-furnaces	17 188	15 080	15 147	13 237	13 527	13 350	12 918	-1.09	-0.41
Refineries	657 796	711 682	728 297	661 119	614 362	642 211	640 125	-0.10	-0.54
BKB / PB plants	23 136	3 414	3 585	3 905	4 157	3 764	3 840	-6.67	-0.28
of which: electricity	196 474	225 794	249 783	239 564	209 691	211 465	212 054	+0.29	-2.01
of which: derived heat	62 353	52 243	61 935	64 740	56 211	57 314	59 192	-0.20	-1.48
<b>Exchanges, transfers and returns</b>	1 844	4 450	3 405	3 034	2 529	2 724	2 969		
<b>Consumption of the energy branch</b>	82 761	86 120	91 019	88 019	77 796	80 486	80 128	-0.12	-1.55
<b>Distribution losses</b>	23 018	27 655	28 884	28 152	25 290	26 176	26 372	+0.52	-1.08
<b>Energy available for final consumption</b>	1 191 380	1 243 025	1 313 690	1 275 655	1 162 193	1 184 088	1 205 158	+0.04	-0.94
Solid fossil fuels	129 307	61 632	55 145	53 909	47 238	46 530	46 938	-3.82	-2.28
Gas/Diesel Oil (w/o bio)	210 246	247 182	281 547	271 078	259 031	265 316	268 679	+0.95	-0.15
Motor Gasoline (w/o bio)	139 735	136 630	114 573	94 008	81 613	79 709	80 368	-2.10	-2.58
Kerosene Type Jet Fuel	30 765	45 784	51 530	51 035	50 685	52 117	54 159	+2.20	+1.00
Naphtha	35 185	43 842	45 196	41 103	36 912	35 647	34 692	-0.05	-2.79
LPG	22 048	24 013	26 692	26 832	29 415	30 867	30 200	+1.22	+1.99
All other oil & petroleum products	94 495	84 655	84 794	68 627	50 382	51 747	53 995	-2.13	-3.92
Natural gas	228 527	275 039	291 849	277 982	232 876	240 568	248 573	+0.32	-1.85
Derived gases	19 843	11 025	9 276	7 810	7 960	7 883	7 366	-3.74	-0.97
Solid biomass & charcoal	38 022	46 914	53 874	65 547	63 087	66 851	68 657	+2.30	+0.78
Liquid biofuels	6	720	3 318	13 575	14 424	14 160	13 938	+34.51	+0.44
All other renewable energies	922	1 601	2 202	3 736	5 615	5 928	6 291	+7.67	+9.08
Non-renewable wastes	887	1 120	1 490	2 668	3 425	3 474	3 780	+5.73	+5.98
Electricity	186 058	217 441	239 389	244 204	233 684	236 862	239 565	+0.98	-0.32
Derived heat	55 333	45 427	52 814	53 542	45 847	46 428	47 957	-0.55	-1.82
<b>Statistical difference</b>	7 095	- 1 850	3 217	4 719	- 901	364	- 433		
<b>Final non-energy consumption</b>	99 638	112 157	117 800	107 689	99 955	97 516	97 773	-0.07	-1.60
<b>Final energy consumption</b>	1 084 647	1 132 718	1 192 672	1 163 247	1 063 140	1 086 208	1 107 818	+0.08	-0.81
Industry	370 842	333 376	331 229	290 760	275 882	276 137	276 823	-1.12	-0.82
Transport	284 261	344 498	369 150	363 692	352 267	358 065	367 272	+0.99	+0.16
Road transport	238 340	283 411	301 390	298 921	289 350	293 301	300 157	+0.89	+0.07
Domestic & International aviation	29 564	44 916	50 009	49 276	49 533	51 277	53 330	+2.29	+1.33
Other sectors	429 544	454 843	492 293	508 795	434 991	452 005	463 723	+0.29	-1.53
Services	109 054	121 658	144 586	157 686	140 984	147 133	150 043	+1.23	-0.82
Residential	274 040	290 929	309 390	320 040	265 084	276 366	284 832	+0.15	-1.92

Source: Eurostat (nrg\_100a)

Euro area (19 countries), 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	440 670	50 378	11 429	52 982	164 528	150 614	10 738		
+ Primary production receipt	9 397		9 397						
+ Other sources (recovered products)	2 586	8	2 452	127					
+ Recycled products	971		971						
+ Imports	1 165 296	113 251	736 278	283 969		8 602	294	22 900	2
+ Stock changes	12 494	5 189	2 810	4 438		59	- 1		
- Exports	424 700	23 442	296 245	75 362		7 531	29	22 088	3
- Bunkers	38 534		38 533	1					
- Direct use	10 214		10 214						
<b>Gross inland consumption</b>	<b>1 157 966</b>	<b>145 384</b>	<b>418 345</b>	<b>266 152</b>	<b>164 528</b>	<b>151 743</b>	<b>11 002</b>	<b>812</b>	<b>- 1</b>
<b>Transformation input</b>	<b>939 277</b>	<b>138 393</b>	<b>497 430</b>	<b>86 135</b>	<b>164 528</b>	<b>43 683</b>	<b>8 345</b>	<b>48</b>	<b>715</b>
+ Conventional thermal power stations	240 832	101 042	11 740	81 150		38 805	7 380		715
+ Nuclear power stations	164 528				164 528				
+ District heating plants	11 393	788	725	4 269		4 598	965	48	
+ Coke ovens	22 049	21 694	355						
+ Blast furnaces	9 986	9 986							
+ Gas works	137	137							
+ Refineries	484 447		484 447						
+ Patent fuel plants									
+ BKB/PB plants	3 696	3 696							
+ Charcoal production plants	190					190			
+ Coal liquefaction plants	901	901							
+ For blended natural gas	253		162			91			
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	865	148	1	715					
<b>Transformation output</b>	<b>703 622</b>	<b>19 487</b>	<b>484 317</b>	<b>14 218</b>		<b>53</b>		<b>150 255</b>	<b>35 291</b>
+ Conventional thermal power stations	121 131							95 428	25 703
+ Nuclear power stations	54 874							54 827	47
+ District heating plants	9 541								9 541
+ Coke ovens	20 450	16 331		4 119					
+ Blast furnaces	9 986			9 986					
+ Gas works	113			113					
+ Refineries	484 317		484 317						
+ Patent fuel plants									
+ BKB/PB plants	3 156	3 156							
+ Charcoal production plants	53					53			
<b>Exchanges, transfers and returns</b>	<b>2 744</b>		<b>2 744</b>			<b>- 47 517</b>		<b>47 517</b>	
<b>Consumption of the energy branch</b>	<b>52 523</b>	<b>220</b>	<b>24 517</b>	<b>10 437</b>		<b>608</b>	<b>87</b>	<b>13 965</b>	<b>2 689</b>
<b>Distribution losses</b>	<b>17 394</b>	<b>3</b>	<b>51</b>	<b>2 095</b>		<b>23</b>		<b>11 966</b>	<b>3 255</b>
<b>Available for final consumption</b>	<b>855 137</b>	<b>26 255</b>	<b>383 407</b>	<b>181 703</b>		<b>59 966</b>	<b>2 570</b>	<b>172 605</b>	<b>28 630</b>
<b>Statistical difference</b>	<b>- 163</b>	<b>401</b>	<b>2 160</b>	<b>- 2 651</b>		<b>19</b>	<b>0</b>	<b>- 74</b>	<b>- 18</b>
<b>Final non-energy consumption</b>	<b>76 191</b>	<b>1 154</b>	<b>65 654</b>	<b>9 383</b>					
<b>Final energy consumption</b>	<b>779 110</b>	<b>24 701</b>	<b>315 593</b>	<b>174 972</b>		<b>59 946</b>	<b>2 570</b>	<b>172 679</b>	<b>28 648</b>
+ Industry	201 654	23 209	19 618	65 981		14 294	2 401	63 541	12 609
+ Iron and Steel	37 794	17 455	422	11 632		5	45	7 910	325
+ Chemical and Petrochemical	40 449	1 389	6 433	13 962		398	529	12 060	5 679
+ Non-ferrous metals	8 003	216	255	2 894		2	11	4 536	90
+ Non-metallic minerals	24 406	2 573	5 363	9 322		1 285	1 614	4 063	187
+ Transport eEquipment	5 805	184	151	1 624		17	0	3 335	494
+ Machinery	14 092	22	938	5 177		129	4	7 410	412
+ Mining and Quarrying	2 122	70	613	465		40		885	48
+ Food, Beverages and Tobacco	21 794	535	1 542	10 269		892		7 485	1 070
+ Paper, Pulp and Printing	23 072	654	496	5 602		7 535	116	6 591	2 076
+ Wood and Wood products	6 023	1	119	487		3 487	37	1 517	374
+ Construction	5 105	5	2 481	1 258		98	1	1 240	22
+ Textile and Leather	3 096	5	194	1 500		14		1 275	107
+ Not elsewhere specified (Industry)	9 894	98	612	1 789		391	44	5 234	1 725
+ Transport	258 317		241 643	2 528		9 991		4 155	
+ Rail	4 103		921			26		3 157	
+ Road	210 909		199 315	1 546		9 953		94	
+ International aviation	32 729		32 729						
+ Domestic aviation	4 674		4 674						
+ Domestic navigation	3 734		3 729			5			
+ Pipeline transport	1 066			947				119	
+ Not elsewhere specified (Transport)	1 102		276	35		7		785	
+ Other sectors	319 138	1 492	54 332	106 462		35 661	169	104 983	16 040
+ Commercial and public services	109 809	183	13 422	34 154		4 090	168	53 167	4 625
+ Residential	189 896	1 209	29 380	69 338		30 552		48 298	11 119
+ Agriculture / Forestry	16 450	64	9 045	2 959		967	1	3 262	152
+ Fishing	1 091		999	1		46		45	
+ Not elsewhere specified (Other)	1 891	35	1 485	10		6		211	144

Source: Eurostat (nrg\_100a)

Euro area (19 countries)	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	485 705	453 783	470 031	481 442	467 418	449 797	440 670	-0.37	-1.46
Solid fossil fuels	161 115	86 030	79 321	65 150	60 531	57 209	50 378	-4.37	-4.20
Crude oil & other hydrocarbons	21 028	15 677	16 915	13 477	14 123	13 714	11 429	-2.32	-2.71
Natural gas	89 366	86 527	83 389	85 129	65 975	52 625	52 982	-1.99	-7.60
Nuclear heat	160 085	193 829	201 544	187 337	173 944	170 487	164 528	+0.11	-2.14
Renewable energies	51 564	66 827	83 061	121 225	142 778	145 492	150 614	+4.21	+3.68
Non-renewable wastes	2 546	4 894	5 802	9 124	10 067	10 270	10 738	+5.69	+2.75
<b>Net imports</b>	659 580	800 165	867 972	799 514	705 783	741 180	740 596	+0.45	-1.27
Solid fossil fuels	78 872	92 827	100 789	91 255	93 874	96 188	89 809	+0.50	-0.27
Crude oil & other hydrocarbons	440 274	496 337	514 180	456 722	424 478	452 185	450 173	+0.09	-0.24
Petroleum products	39 165	31 954	29 625	27 055	5 481	-6 937	-10 140		
Natural gas	101 182	177 189	219 183	219 504	178 605	196 582	208 607	+2.82	-0.85
Renewable energies	185	283	1 012	3 099	1 309	1 232	1 071	+6.98	-16.23
<b>Gross inland consumption</b>	1 116 114	1 211 701	1 291 842	1 245 871	1 135 197	1 152 400	1 157 966	+0.14	-1.21
Solid fossil fuels	243 456	182 003	179 522	155 301	153 800	154 835	145 384	-1.96	-1.09
Crude oil & petroleum products	469 330	504 687	514 438	457 305	411 714	416 845	418 345	-0.44	-1.47
Gas	188 840	257 608	303 311	310 544	239 676	251 221	266 152	+1.33	-2.54
Nuclear heat	160 085	193 829	201 544	187 337	173 944	170 487	164 528	+0.11	-2.14
Renewable energies	51 955	67 106	84 043	124 381	143 957	146 809	151 743	+4.21	+3.37
Non-renewable wastes	2 546	4 894	5 801	9 142	10 293	10 512	11 002	+5.79	+3.13
<b>Transformation input</b>	966 321	1 023 857	1 081 826	999 992	916 362	943 507	939 277	-0.11	-1.04
Conventional thermal power stations	228 200	241 532	278 223	265 315	233 102	240 053	240 832	+0.21	-1.60
Nuclear power stations	160 085	193 829	201 544	187 337	173 944	170 487	164 528	+0.11	-2.14
District heating plants	8 569	7 047	10 015	12 302	10 732	11 023	11 393	+1.10	-1.27
Coke-ovens	48 989	29 334	26 511	24 315	21 737	21 466	22 049	-3.02	-1.62
Blast-furnaces	11 575	10 636	11 035	10 169	10 139	10 009	9 986	-0.57	-0.30
Refineries	480 771	537 121	550 287	495 210	460 718	484 289	484 447	+0.03	-0.37
BKB / PB plants	23 599	3 116	2 970	3 215	3 736	3 684	3 696	-6.88	+2.35
<b>Transformation output</b>	718 873	759 099	800 905	735 916	674 612	701 992	703 622	-0.08	-0.75
Conventional thermal power stations	97 219	111 099	136 560	132 970	113 604	118 701	121 131	+0.85	-1.54
Nuclear power stations	53 473	64 644	67 248	62 485	58 010	56 860	54 874	+0.10	-2.14
District heating plants	6 479	5 852	8 152	10 082	8 817	9 109	9 541	+1.50	-0.92
Coke-ovens	44 652	26 822	24 860	21 809	19 828	19 711	20 450	-2.96	-1.07
Blast-furnaces	11 575	10 636	11 035	10 169	10 139	10 009	9 986	-0.57	-0.30
Refineries	480 676	536 963	550 101	495 044	460 584	484 166	484 317	+0.03	-0.36
BKB / PB plants	21 731	2 746	2 729	3 156	3 424	3 257	3 156	-7.15	+0.00
<i>of which: electricity</i>	133 548	157 567	176 286	168 066	146 930	150 431	150 255	+0.45	-1.85
<i>of which: derived heat</i>	23 625	24 028	35 673	37 472	33 501	34 239	35 291	+1.56	-0.99
<b>Exchanges, transfers and returns</b>	1 829	3 820	3 304	2 912	2 339	2 478	2 744		
<b>Consumption of the energy branch</b>	51 385	52 973	57 112	56 748	50 542	52 285	52 523	+0.08	-1.28
<b>Distribution losses</b>	13 548	15 282	16 747	17 044	16 266	16 946	17 394	+0.97	+0.34
<b>Energy available for final consumption</b>	805 561	882 507	940 365	910 914	828 978	844 132	855 137	+0.23	-1.05
Solid fossil fuels	71 028	34 099	29 634	29 863	25 710	25 826	26 255	-3.76	-2.12
Gas/Diesel Oil (w/o bio)	167 060	196 954	224 308	208 903	197 093	200 512	199 046	+0.68	-0.80
Motor Gasoline (w/o bio)	96 496	94 786	77 572	62 782	55 305	54 129	54 147	-2.20	-2.44
Kerosene Type Jet Fuel	21 310	31 843	35 152	36 057	35 337	36 892	38 443	+2.30	+1.07
Naphtha	28 973	37 287	38 922	36 608	32 684	31 252	30 950	+0.25	-2.76
LPG	17 231	17 470	17 529	18 166	21 071	22 100	21 112	+0.78	+2.54
All other oil & petroleum products	71 656	64 458	62 281	50 369	36 141	36 645	39 710	-2.24	-3.89
Natural gas	143 419	188 962	203 326	195 124	164 992	170 646	175 989	+0.79	-1.71
Derived gases	12 728	7 298	6 238	5 912	5 976	6 080	5 714	-3.03	-0.57
Solid biomass & charcoal	28 180	30 914	36 534	43 648	40 834	43 424	44 630	+1.78	+0.37
Liquid biofuels	6	658	3 029	10 606	10 668	10 545	10 288	+32.95	-0.51
All other renewable energies	708	1 355	1 797	3 104	4 711	4 929	5 048	+7.85	+8.44
Non-renewable wastes	314	856	933	1 942	2 415	2 461	2 570	+8.42	+4.78
Electricity	125 696	153 991	171 919	176 633	168 573	170 854	172 605	+1.23	-0.38
Derived heat	20 757	21 578	31 191	31 198	27 469	27 838	28 630	+1.24	-1.42
<b>Statistical difference</b>	2 687	- 226	5 136	2 902	458	2 113	- 163		
<b>Final non-energy consumption</b>	75 949	87 241	90 174	85 168	78 590	75 784	76 191	+0.01	-1.84
<b>Final energy consumption</b>	726 926	795 492	845 055	822 844	749 929	766 235	779 110	+0.27	-0.91
Industry	235 478	232 524	238 418	212 824	200 470	200 046	201 654	-0.59	-0.89
Transport	206 293	253 977	267 659	260 230	250 478	253 716	258 317	+0.87	-0.12
<i>Road transport</i>	175 745	211 950	221 066	214 668	206 623	208 175	210 909	+0.70	-0.29
<i>Domestic &amp; International aviation</i>	20 048	30 974	33 765	34 250	34 353	35 825	37 403	+2.43	+1.48
Other sectors	285 155	308 991	338 979	349 790	298 981	312 473	319 138	+0.43	-1.52
<i>Services</i>	79 429	85 773	105 017	115 720	103 485	108 592	109 809	+1.25	-0.87
<i>Residential</i>	178 955	194 355	207 396	212 468	175 601	184 383	189 896	+0.23	-1.85

Source: Eurostat (nrg\_100a)

Belgium, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	14 969				11 227	3 066	676		
+ Primary production receipt	1 236		1 236						
+ Other sources (recovered products)	8	8							
+ Recycled products	27		27						
+ Imports	79 391	2 854	59 223	14 959		1 091	4	1 260	
+ Stock changes	424	144	359	- 80					
- Exports	30 672	51	29 072	579		241		728	
- Bunkers	6 663		6 663						
- Direct use	1 268		1 268						
<b>Gross inland consumption</b>	<b>57 451</b>	<b>2 955</b>	<b>23 841</b>	<b>14 300</b>	<b>11 227</b>	<b>3 916</b>	<b>681</b>	<b>532</b>	
<b>Transformation input</b>	<b>53 115</b>	<b>1 868</b>	<b>33 921</b>	<b>4 070</b>	<b>11 227</b>	<b>1 268</b>	<b>510</b>		<b>252</b>
+ Conventional thermal power stations	6 181	79	6	4 070		1 264	510		252
+ Nuclear power stations	11 227				11 227				
+ District heating plants	3					3			
+ Coke ovens	1 143	1 143							
+ Blast furnaces	646	646							
+ Gas works									
+ Refineries	33 915		33 915						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>43 024</b>	<b>859</b>	<b>33 912</b>	<b>868</b>				<b>6 493</b>	<b>892</b>
+ Conventional thermal power stations	3 641							2 750	891
+ Nuclear power stations	3 742							3 742	
+ District heating plants	2								2
+ Coke ovens	1 081	859		222					
+ Blast furnaces	646			646					
+ Gas works									
+ Refineries	33 912		33 912						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>70</b>		<b>70</b>			<b>- 765</b>		<b>765</b>	
<b>Consumption of the energy branch</b>	<b>2 302</b>		<b>1 273</b>	<b>435</b>			<b>29</b>	<b>431</b>	<b>135</b>
<b>Distribution losses</b>	<b>366</b>	<b>3</b>		<b>24</b>		<b>0</b>		<b>331</b>	<b>7</b>
<b>Available for final consumption</b>	<b>44 762</b>	<b>1 944</b>	<b>22 629</b>	<b>10 638</b>		<b>1 884</b>	<b>142</b>	<b>7 027</b>	<b>498</b>
<b>Statistical difference</b>	<b>- 29</b>	<b>- 19</b>	<b>- 12</b>	<b>12</b>		<b>- 0</b>		<b>- 11</b>	<b>1</b>
<b>Final non-energy consumption</b>	<b>8 458</b>	<b>214</b>	<b>7 344</b>	<b>900</b>					
<b>Final energy consumption</b>	<b>36 333</b>	<b>1 748</b>	<b>15 298</b>	<b>9 726</b>		<b>1 884</b>	<b>142</b>	<b>7 038</b>	<b>498</b>
+ Industry	12 209	1 664	1 871	4 148		697	142	3 262	424
+ Iron and Steel	2 506	1 284	11	824			2	385	
+ Chemical and Petrochemical	4 331		1 574	1 218		7	4	1 180	349
+ Non-ferrous metals	285		2	122			0	160	
+ Non-metallic minerals	1 377	325	44	518		126	124	241	
+ Transport eEquipment	225		5	47				173	
+ Machinery	190		16	123		2		49	
+ Mining and Quarrying	48			10				38	
+ Food, Beverages and Tobacco	1 502	18	11	866		72		492	43
+ Paper, Pulp and Printing	708	16	10	123		293	12	221	32
+ Wood and Wood products	243			18		193		32	
+ Construction	200		68	58				74	
+ Textile and Leather	188		1	89		2		96	1
+ Not elsewhere specified (Industry)	406	22	129	132		1		122	
+ Transport	10 514		9 895	38		441		140	
+ Rail	184		49					135	
+ Road	8 667		8 219	5		441		2	
+ International aviation	1 438		1 438						
+ Domestic aviation	2		2						
+ Domestic navigation	186		186						
+ Pipeline transport	36			33				3	
+ Not elsewhere specified (Transport)	1		1						
+ Other sectors	13 610	83	3 532	5 539		746		3 635	74
+ Commercial and public services	4 656		779	1 881		57		1 871	68
+ Residential	8 135	74	2 375	3 424		639		1 621	1
+ Agriculture / Forestry	773	9	332	234		50		143	5
+ Fishing									
+ Not elsewhere specified (Other)	46		46						

Source: Eurostat (nrg\_100a)

Belgium	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	12 421	13 401	13 654	15 373	12 318	10 401	14 969	+0.72	-0.44
Solid fossil fuels	610								
Crude oil & other hydrocarbons									
Natural gas	10	2							
Nuclear heat	11 020	12 422	12 277	12 367	8 694	6 733	11 227	+0.07	-1.60
Renewable energies	481	534	875	2 268	2 945	2 990	3 066	+7.38	+5.15
Non-renewable wastes	300	443	502	738	679	678	676	+3.18	-1.44
<b>Net imports</b>	39 551	50 498	53 428	53 559	47 124	50 626	48 720	+0.81	-1.57
Solid fossil fuels	9 611	7 300	5 241	3 699	3 383	3 095	2 803	-4.63	-4.52
Crude oil & other hydrocarbons	26 703	34 020	32 129	30 856	32 301	31 851	31 103	+0.59	+0.13
Petroleum products	- 4 660	- 4 576	417	1 593	- 3 358	- 675	- 952	-5.93	
Natural gas	8 217	13 278	14 817	16 791	12 831	13 873	14 379	+2.18	-2.55
Renewable energies		104	281	571	453	675	850		+6.85
<b>Gross inland consumption</b>	48 593	59 303	59 060	60 902	53 547	54 257	57 451	+0.65	-0.97
Solid fossil fuels	10 597	8 002	5 172	3 763	3 331	3 188	2 955	-4.79	-3.95
Crude oil & petroleum products	18 346	24 058	24 670	24 407	23 249	24 218	23 841	+1.01	-0.39
Gas	8 169	13 369	14 741	16 746	12 683	13 967	14 300	+2.18	-2.60
Nuclear heat	11 020	12 422	12 277	12 367	8 694	6 733	11 227	+0.07	-1.60
Renewable energies	481	638	1 156	2 833	3 398	3 664	3 916	+8.40	+5.55
Non-renewable wastes	300	443	502	738	679	681	681	+3.20	-1.35
<b>Transformation input</b>	53 301	61 543	60 485	58 679	52 123	50 552	53 115	-0.01	-1.65
Conventional thermal power stations	6 555	7 037	7 715	8 406	5 918	6 580	6 181	-0.23	-4.99
Nuclear power stations	11 020	12 422	12 277	12 367	8 694	6 733	11 227	+0.07	-1.60
District heating plants	12	45	29	6	15	12	3	-5.02	-10.45
Coke-ovens	5 010	2 699	2 362	1 815	1 365	1 165	1 143	-5.53	-7.42
Blast-furnaces	1 095	939	807	600	613	592	646	-2.01	+1.25
Refineries	29 607	38 398	37 289	35 261	35 518	35 470	33 915	+0.52	-0.65
BKB / PB plants									
<b>Transformation output</b>	41 492	49 654	48 442	46 391	43 766	43 214	43 024	+0.14	-1.25
Conventional thermal power stations	2 570	3 451	3 760	4 671	3 437	3 801	3 641	+1.35	-4.07
Nuclear power stations	3 673	4 141	4 092	4 122	2 898	2 244	3 742	+0.07	-1.60
District heating plants	10	38	7	4	12	3	2	-6.79	-13.99
Coke-ovens	4 541	2 687	2 487	1 742	1 299	1 108	1 081	-5.37	-7.64
Blast-furnaces	1 095	939	807	600	613	592	646	-2.01	+1.25
Refineries	29 602	38 395	37 284	35 252	35 508	35 466	33 912	+0.52	-0.64
BKB / PB plants									
<i>of which: electricity</i>	6 021	7 076	7 325	7 882	5 478	5 142	6 493	+0.29	-3.18
<i>of which: derived heat</i>	233	553	534	915	868	906	892	+5.30	-0.42
<b>Exchanges, transfers and returns</b>	120	205	218	137	95	118	70		
<b>Consumption of the energy branch</b>	2 334	2 405	2 424	2 616	2 203	2 236	2 302	-0.05	-2.11
<b>Distribution losses</b>	322	388	394	474	360	368	366	+0.49	-4.24
<b>Energy available for final consumption</b>	34 248	44 825	44 418	45 660	42 722	44 432	44 762	+1.04	-0.33
Solid fossil fuels	4 180	3 947	2 218	1 816	1 893	1 825	1 944	-2.90	+1.14
Gas/Diesel Oil (w/o bio)	8 527	10 660	11 933	12 222	10 236	10 985	10 434	+0.78	-2.60
Motor Gasoline (w/o bio)	2 841	2 357	1 824	1 241	1 320	1 405	1 483	-2.47	+3.01
Kerosene Type Jet Fuel	954	1 489	1 256	1 448	1 345	1 493	1 463	+1.66	+0.16
Naphtha	1 395	4 317	4 593	4 321	4 973	4 478	4 608	+4.70	+1.08
LPG	444	630	296	1 320	2 046	2 512	2 307	+6.54	+9.76
All other oil & petroleum products	2 715	3 035	3 111	2 560	2 144	2 200	2 334	-0.58	-1.53
Natural gas	6 760	10 134	10 590	10 842	9 135	9 937	10 319	+1.64	-0.82
Derived gases	849	564	496	423	333	310	319	-3.69	-4.60
Solid biomass & charcoal	321	405	614	1 101	1 134	1 218	1 318	+5.58	+3.05
Liquid biofuels			1	400	422	264	445		+1.79
All other renewable energies	4	4	28	41	109	122	120	+14.24	+19.63
Non-renewable wastes	52	124	123	137	160	144	142	+3.93	+0.66
Electricity	4 986	6 667	6 908	7 168	6 946	7 026	7 027	+1.33	-0.33
Derived heat	221	492	428	620	525	514	498	+3.18	-3.59
<b>Statistical difference</b>	- 390	313	111	670	129	52	- 29		
<b>Final non-energy consumption</b>	3 135	6 986	7 726	7 359	8 396	8 516	8 458	+3.89	+2.35
<b>Final energy consumption</b>	31 503	37 526	36 580	37 631	34 197	35 865	36 333	+0.55	-0.58
Industry	12 061	14 098	11 712	12 063	11 923	11 904	12 209	+0.05	+0.20
Transport	7 807	9 661	9 948	10 345	9 898	10 440	10 514	+1.15	+0.27
<i>Road transport</i>	6 467	7 740	8 260	8 545	8 194	8 572	8 667	+1.13	+0.24
<i>Domestic &amp; International aviation</i>	955	1 524	1 283	1 377	1 332	1 454	1 440	+1.59	+0.74
Other sectors	11 635	13 767	14 920	15 223	12 376	13 521	13 610	+0.60	-1.85
<i>Services</i>	2 876	3 476	4 152	5 027	4 225	4 606	4 656	+1.87	-1.27
<i>Residential</i>	8 269	9 474	9 925	9 411	7 403	8 163	8 135	-0.06	-2.40

Source: Eurostat (nrg\_100a)



Bulgaria, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	11 218	5 081	23	77	4 084	1 921	32		
+ Primary production receipt									
+ Other sources (recovered products)	224	33	190						
+ Recycled products	14		14						
+ Imports	12 466	561	8 763	2 594		156		393	
+ Stock changes	- 22	24	- 62	19		- 1			
- Exports	5 699	4	4 624	2		128		941	
- Bunkers	78		78						
- Direct use	- 5		- 5						
<b>Gross inland consumption</b>	<b>18 128</b>	<b>5 695</b>	<b>4 231</b>	<b>2 687</b>	<b>4 084</b>	<b>1 947</b>	<b>32</b>	<b>- 548</b>	
<b>Transformation input</b>	<b>18 627</b>	<b>6 131</b>	<b>7 268</b>	<b>1 025</b>	<b>4 084</b>	<b>102</b>			<b>16</b>
+ Conventional thermal power stations	6 437	5 506	221	619		75			16
+ Nuclear power stations	4 084				4 084				
+ District heating plants	235	3	2	207		23			
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	7 045		7 045						
+ Patent fuel plants									
+ BKB/PB plants	622	622							
+ Charcoal production plants	4					4			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	198			198					
<b>Transformation output</b>	<b>12 077</b>	<b>627</b>	<b>7 037</b>			<b>2</b>		<b>3 259</b>	<b>1 151</b>
+ Conventional thermal power stations	2 788							1 902	886
+ Nuclear power stations	1 371							1 357	15
+ District heating plants	251								251
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	7 037		7 037						
+ Patent fuel plants									
+ BKB/PB plants	627	627							
+ Charcoal production plants	2					2			
<b>Exchanges, transfers and returns</b>	<b>- 7</b>		<b>- 7</b>			<b>- 581</b>		<b>581</b>	
<b>Consumption of the energy branch</b>	<b>1 114</b>	<b>1</b>	<b>385</b>	<b>31</b>				<b>496</b>	<b>202</b>
<b>Distribution losses</b>	<b>469</b>		<b>1</b>	<b>9</b>				<b>308</b>	<b>151</b>
<b>Available for final consumption</b>	<b>9 988</b>	<b>191</b>	<b>3 606</b>	<b>1 622</b>		<b>1 267</b>	<b>32</b>	<b>2 488</b>	<b>782</b>
<b>Statistical difference</b>	<b>- 170</b>	<b>- 203</b>	<b>9</b>	<b>21</b>		<b>- 0</b>		<b>4</b>	<b>- 1</b>
<b>Final non-energy consumption</b>	<b>496</b>	<b>58</b>	<b>150</b>	<b>288</b>					
<b>Final energy consumption</b>	<b>9 663</b>	<b>336</b>	<b>3 448</b>	<b>1 313</b>		<b>1 267</b>	<b>32</b>	<b>2 485</b>	<b>783</b>
+ Industry	2 641	170	195	920		256	32	766	304
+ Iron and Steel	111			49		0		62	
+ Chemical and Petrochemical	836	103	37	324		1		109	263
+ Non-ferrous metals	130	1	13	32				66	18
+ Non-metallic minerals	560	61	95	267		29	32	77	0
+ Transport eEquipment	17			8		0		9	0
+ Machinery	133		6	41		0		85	1
+ Mining and Quarrying	117		6	18		0		93	
+ Food, Beverages and Tobacco	237	1	11	88		24		105	9
+ Paper, Pulp and Printing	242	2		47		156		37	0
+ Wood and Wood products	58			2		39		17	
+ Construction	61		24	14		0		22	2
+ Textile and Leather	67	3	1	18		2		32	11
+ Not elsewhere specified (Industry)	72		1	13		5		52	0
+ Transport	3 492		3 068	230		163		30	
+ Rail	37		13					24	
+ Road	3 077		2 823	86		163		5	
+ International aviation	213		213						
+ Domestic aviation	20		20						
+ Domestic navigation									
+ Pipeline transport	146			144				2	
+ Not elsewhere specified (Transport)									
+ Other sectors	3 529	166	185	163		848		1 688	479
+ Commercial and public services	1 075	6	24	90		63		746	147
+ Residential	2 254	152	27	59		768		923	325
+ Agriculture / Forestry	185	7	118	15		18		19	8
+ Fishing	0							0	
+ Not elsewhere specified (Other)	15		15						

Source: Eurostat (nrg\_100a)

Bulgaria	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	9 278	9 843	10 599	10 477	11 263	11 986	11 218	+0.73	+1.14
Solid fossil fuels	5 091	4 295	4 178	4 927	5 106	5 832	5 081	-0.01	+0.51
Crude oil & other hydrocarbons	57	45	29	23	26	24	23	-3.39	+0.33
Natural gas	11	12	384	59	159	85	77	+7.65	+4.43
Nuclear heat	3 783	4 699	4 826	3 956	4 107	3 983	4 084	+0.30	+0.53
Renewable energies	336	780	1 124	1 504	1 842	2 033	1 921	+6.94	+4.17
Non-renewable wastes		12	58	8	23	30	32		+24.64
<b>Net imports</b>	17 386	8 544	9 276	7 078	6 157	6 585	6 767	-3.56	-0.75
Solid fossil fuels	3 595	2 258	2 553	1 700	931	741	557	-6.92	-16.97
Crude oil & other hydrocarbons	7 755	5 228	6 145	5 919	5 893	6 489	6 572	-0.63	+1.76
Petroleum products	282	- 1 284	- 1 202	- 1 891	- 2 016	- 2 238	- 2 433		+4.29
Natural gas	5 430	2 742	2 458	2 131	2 222	2 517	2 591	-2.81	+3.31
Renewable energies	- 2	- 2	- 26	- 55	- 59	- 15	28		
<b>Gross inland consumption</b>	27 650	18 523	19 754	17 774	17 744	18 511	18 128	-1.61	+0.33
Solid fossil fuels	8 717	6 433	6 895	6 891	6 396	6 619	5 695	-1.62	-3.13
Crude oil & petroleum products	9 095	4 068	4 724	3 888	3 880	4 201	4 231	-2.90	+1.42
Gas	5 396	2 931	2 804	2 300	2 363	2 595	2 687	-2.65	+2.62
Nuclear heat	3 783	4 699	4 826	3 956	4 107	3 983	4 084	+0.30	+0.53
Renewable energies	334	776	1 098	1 457	1 789	1 992	1 947	+7.02	+4.96
Non-renewable wastes		12	58	8	23	30	32		+24.64
<b>Transformation input</b>	26 006	18 197	20 191	18 847	18 775	19 062	18 627	-1.28	-0.20
Conventional thermal power stations	9 623	5 964	6 668	7 523	7 061	7 075	6 437	-1.53	-2.56
Nuclear power stations	3 783	4 699	4 826	3 956	4 107	3 983	4 084	+0.30	+0.53
District heating plants	2 783	324	368	304	189	225	235	-9.06	-4.18
Coke-ovens	1 146	1 034	719						
Blast-furnaces	211	269	181						
Refineries	7 843	5 309	6 419	6 041	6 175	6 747	7 045	-0.41	+2.60
BKB / PB plants	618	577	991	971	1 203	911	622	+0.03	-7.14
<b>Transformation output</b>	18 308	11 404	12 605	11 575	11 550	11 856	12 077	-1.59	+0.71
Conventional thermal power stations	4 776	2 596	2 721	3 209	3 120	3 082	2 788	-2.05	-2.32
Nuclear power stations	1 261	1 573	1 618	1 334	1 379	1 338	1 371	+0.32	+0.46
District heating plants	2 442	308	313	337	212	243	251	-8.38	-4.81
Coke-ovens	1 097	816	649						
Blast-furnaces	211	269	181						
Refineries	7 828	5 304	6 410	6 037	6 170	6 741	7 037	-0.41	+2.59
BKB / PB plants	693	537	712	648	665	448	627	-0.38	-0.54
of which: electricity	3 462	3 265	3 408	3 462	3 417	3 461	3 259	-0.23	-1.00
of which: derived heat	5 017	1 212	1 245	1 418	1 294	1 202	1 151	-5.50	-3.41
<b>Exchanges, transfers and returns</b>	0		- 8	1	- 13	- 8	- 7		
<b>Consumption of the energy branch</b>	1 357	990	1 021	1 164	1 055	1 154	1 114	-0.76	-0.73
<b>Distribution losses</b>	702	753	580	549	498	489	469	-1.54	-2.60
<b>Energy available for final consumption</b>	17 892	9 987	10 559	8 790	8 953	9 654	9 988	-2.22	+2.15
Solid fossil fuels	1 988	794	428	- 71	- 277	- 85	191	-8.62	
Gas/Diesel Oil (w/o bio)	2 426	1 216	1 779	1 659	1 841	2 001	2 020	-0.70	+3.33
Motor Gasoline (w/o bio)	1 431	710	571	624	505	521	493	-4.02	-3.86
Kerosene Type Jet Fuel	279	101	201	182	178	188	228	-0.78	+3.85
Naphtha	748	499	298			1			
LPG	81	238	484	419	479	517	548	+7.62	+4.60
All other oil & petroleum products	494	917	978	450	381	426	318	-1.68	-5.63
Natural gas	2 575	1 711	1 693	1 269	1 414	1 591	1 622	-1.76	+4.18
Derived gases	122	293	198						
Solid biomass & charcoal	172	547	691	881	951	994	996	+6.98	+2.07
Liquid biofuels				14	111	147	163		+51.39
All other renewable energies			33	54	60	66	108		+12.32
Non-renewable wastes		8	54	8	23	30	32		+24.64
Electricity	3 033	2 085	2 211	2 338	2 385	2 438	2 488	-0.76	+1.05
Derived heat	4 543	866	939	964	902	818	782	-6.54	-3.43
<b>Statistical difference</b>	100	- 98	- 476	- 476	- 570	- 461	- 170		
<b>Final non-energy consumption</b>	1 427	979	849	422	512	607	496	-3.99	+2.70
<b>Final energy consumption</b>	16 366	9 106	10 186	8 843	9 012	9 508	9 663	-2.01	+1.49
Industry	9 017	3 967	4 039	2 561	2 620	2 713	2 641	-4.61	+0.52
Transport	2 558	2 013	2 902	2 862	3 107	3 402	3 492	+1.20	+3.37
Road transport	1 995	1 663	2 415	2 491	2 729	3 024	3 077	+1.68	+3.59
Domestic & International aviation	284	101	202	183	179	190	232	-0.77	+4.06
Other sectors	4 791	3 126	3 245	3 420	3 284	3 392	3 529	-1.17	+0.53
Services	115	648	824	989	926	992	1 075	+8.98	+1.41
Residential	2 405	2 155	2 117	2 246	2 167	2 195	2 254	-0.25	+0.05

Source: Eurostat (nrg\_100a)

Czech Republic, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	27 159	15 973	184	180	6 239	4 279	304		
+ Primary production receipt									
+ Other sources (recovered products)	193	147	46						
+ Recycled products	20		20						
+ Imports	21 582	2 995	10 252	6 715		431		1 188	1
+ Stock changes	795	652	24	121		- 2			
- Exports	7 900	3 149	2 219			398		2 132	2
- Bunkers									
- Direct use	41		41						
<b>Gross inland consumption</b>	<b>41 807</b>	<b>16 617</b>	<b>8 265</b>	<b>7 016</b>	<b>6 239</b>	<b>4 310</b>	<b>304</b>	<b>- 944</b>	<b>- 1</b>
<b>Transformation input</b>	<b>30 210</b>	<b>14 875</b>	<b>5 761</b>	<b>2 124</b>	<b>6 239</b>	<b>1 128</b>	<b>58</b>	<b>1</b>	<b>24</b>
+ Conventional thermal power stations	14 227	11 513	35	1 506		1 100	49		24
+ Nuclear power stations	6 239				6 239				
+ District heating plants	712	49	7	618		28	9	1	
+ Coke ovens	2 080	2 080							
+ Blast furnaces	630	630							
+ Gas works	537	537							
+ Refineries	5 720		5 720						
+ Patent fuel plants									
+ BKB/PB plants	67	67							
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>18 553</b>	<b>1 728</b>	<b>5 717</b>	<b>1 378</b>				<b>6 662</b>	<b>3 068</b>
+ Conventional thermal power stations	6 975							4 589	2 385
+ Nuclear power stations	2 094							2 073	21
+ District heating plants	661								661
+ Coke ovens	2 056	1 672		384					
+ Blast furnaces	630			630					
+ Gas works	364			364					
+ Refineries	5 717		5 717						
+ Patent fuel plants									
+ BKB/PB plants	56	56							
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>3</b>		<b>3</b>			<b>- 398</b>		<b>398</b>	
<b>Consumption of the energy branch</b>	<b>2 213</b>	<b>283</b>	<b>173</b>	<b>324</b>				<b>778</b>	<b>654</b>
<b>Distribution losses</b>	<b>702</b>	<b>32</b>		<b>149</b>				<b>351</b>	<b>170</b>
<b>Available for final consumption</b>	<b>27 239</b>	<b>3 155</b>	<b>8 052</b>	<b>5 797</b>		<b>2 784</b>	<b>246</b>	<b>4 987</b>	<b>2 219</b>
<b>Statistical difference</b>	<b>594</b>	<b>340</b>	<b>- 5</b>	<b>2</b>		<b>- 0</b>		<b>167</b>	<b>90</b>
<b>Final non-energy consumption</b>	<b>1 764</b>	<b>390</b>	<b>1 255</b>	<b>118</b>					
<b>Final energy consumption</b>	<b>24 881</b>	<b>2 424</b>	<b>6 802</b>	<b>5 676</b>		<b>2 784</b>	<b>246</b>	<b>4 819</b>	<b>2 129</b>
+ Industry	7 417	1 562	146	2 408		482	217	1 995	608
+ Iron and Steel	1 877	1 058		555		0		196	68
+ Chemical and Petrochemical	955	198	13	194		1	3	297	250
+ Non-ferrous metals	86	3		47		0		35	1
+ Non-metallic minerals	1 131	198	14	491		2	214	203	9
+ Transport eEquipment	458	6	2	156		0		251	43
+ Machinery	677	11	7	243		3		350	63
+ Mining and Quarrying	83		1	49		0		32	1
+ Food, Beverages and Tobacco	576	47	7	300		11		137	75
+ Paper, Pulp and Printing	593	34	1	95		289		150	25
+ Wood and Wood products	229	1	5	11		168		42	3
+ Construction	199	1	58	88		3		42	7
+ Textile and Leather	176	3	1	88		0		75	9
+ Not elsewhere specified (Industry)	378	2	37	91		5	0	187	56
+ Transport	6 734	1	6 236	55		301		141	
+ Rail	219	1	79			7		132	
+ Road	6 143		5 794	49		294		6	
+ International aviation	316		316						
+ Domestic aviation	42		42						
+ Domestic navigation	4		4						
+ Pipeline transport	8			5				3	
+ Not elsewhere specified (Transport)									
+ Other sectors	10 730	862	419	3 214		2 001	29	2 684	1 521
+ Commercial and public services	3 054	33	26	1 128		63	29	1 318	457
+ Residential	6 992	820	45	1 994		1 792		1 284	1 057
+ Agriculture / Forestry	641	8	336	61		147		81	7
+ Fishing	1			0				1	
+ Not elsewhere specified (Other)	43		11	32					

Source: Eurostat (nrg\_100a)

Czech Republic	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	41 082	30 809	33 165	31 900	29 613	28 709	27 159	-1.58	-2.65
Solid fossil fuels	36 295	25 049	23 570	20 730	16 848	16 795	15 973	-3.11	-4.25
Crude oil & other hydrocarbons	186	386	590	269	261	207	184	-0.06	-6.17
Natural gas	201	169	154	202	212	205	180	-0.41	-1.86
Nuclear heat	3 246	3 506	6 405	7 248	7 843	6 945	6 239	+2.54	-2.47
Renewable energies	1 141	1 612	2 274	3 251	4 197	4 279	4 279	+5.22	+4.69
Non-renewable wastes	13	87	172	201	251	277	304	+12.88	+7.18
<b>Net imports</b>	7 684	9 411	12 638	11 586	12 790	13 581	13 682	+2.24	+2.81
Solid fossil fuels	- 5 661	- 4 721	- 3 270	- 2 831	- 676	- 254	- 154	-12.94	-38.43
Crude oil & other hydrocarbons	7 419	5 596	7 730	7 840	7 506	7 262	5 354	-1.25	-6.16
Petroleum products	1 201	1 916	1 919	1 139	1 427	1 493	2 679	+3.13	+15.32
Natural gas	4 786	7 482	7 535	6 846	5 952	6 164	6 715	+1.31	-0.32
Renewable energies		3	- 187	- 119	- 15	- 6	34		
<b>Gross inland consumption</b>	50 091	41 367	45 425	45 429	42 242	42 327	41 807	-0.69	-1.38
Solid fossil fuels	31 455	21 643	20 248	18 768	16 039	16 465	16 617	-2.42	-2.01
Crude oil & petroleum products	9 038	7 881	9 899	9 300	9 154	8 955	8 265	-0.34	-1.95
Gas	5 257	7 500	7 703	8 070	6 182	6 483	7 016	+1.12	-2.30
Nuclear heat	3 246	3 506	6 405	7 248	7 843	6 945	6 239	+2.54	-2.47
Renewable energies	1 141	1 615	2 087	3 130	4 176	4 279	4 310	+5.25	+5.48
Non-renewable wastes	13	87	172	201	251	277	304	+12.88	+7.18
<b>Transformation input</b>	35 747	30 609	35 456	35 553	33 899	32 553	30 210	-0.65	-2.68
Conventional thermal power stations	15 036	15 636	15 700	15 395	13 834	13 907	14 227	-0.21	-1.31
Nuclear power stations	3 246	3 506	6 405	7 248	7 843	6 945	6 239	+2.54	-2.47
District heating plants	1 178	975	916	938	639	651	712	-1.92	-4.49
Coke-ovens	5 805	3 109	3 057	2 322	2 366	2 197	2 080	-3.87	-1.82
Blast-furnaces	865	680	641	652	626	600	630	-1.21	-0.57
Refineries	7 965	6 151	8 144	8 330	7 988	7 664	5 720	-1.27	-6.07
BKB / PB plants	544	136	157	118	79	68	67	-7.74	-9.00
<b>Transformation output</b>	24 741	19 561	22 466	22 374	21 191	20 455	18 553	-1.10	-3.07
Conventional thermal power stations	6 984	7 427	7 243	7 251	6 555	6 664	6 975	-0.01	-0.64
Nuclear power stations	1 082	1 169	2 152	2 433	2 628	2 329	2 094	+2.57	-2.47
District heating plants	890	847	769	880	606	609	661	-1.14	-4.65
Coke-ovens	5 877	2 865	3 057	2 349	2 349	2 165	2 056	-3.96	-2.19
Blast-furnaces	865	680	641	652	626	600	630	-1.21	-0.57
Refineries	7 965	6 150	8 142	8 328	7 987	7 663	5 717	-1.27	-6.08
BKB / PB plants	510	121	144	101	69	58	56	-8.12	-9.30
of which: electricity	5 255	6 118	6 838	7 014	6 929	6 705	6 662	+0.92	-0.85
of which: derived heat	3 702	3 325	3 326	3 549	2 860	2 897	3 068	-0.72	-2.40
<b>Exchanges, transfers and returns</b>	- 22	0	1	- 6	7	6	3		
<b>Consumption of the energy branch</b>	2 165	1 876	1 803	2 492	2 314	2 314	2 213	+0.08	-1.96
<b>Distribution losses</b>	662	940	1 087	741	657	687	702	+0.22	-0.89
<b>Energy available for final consumption</b>	36 237	27 503	29 545	29 011	26 570	27 234	27 239	-1.09	-1.04
Solid fossil fuels	14 065	5 532	4 395	3 211	2 663	3 130	3 155	-5.59	-0.30
Gas/Diesel Oil (w/o bio)	3 387	2 699	3 818	3 965	4 177	4 395	4 585	+1.17	+2.45
Motor Gasoline (w/o bio)	1 202	1 909	2 098	1 868	1 581	1 570	1 617	+1.15	-2.37
Kerosene Type Jet Fuel	175	178	342	341	309	330	356	+2.76	+0.69
Naphtha	805	583	928	963	1 091	678	185	-5.49	-24.01
LPG	144	290	277	194	357	292	300	+2.86	+7.58
All other oil & petroleum products	2 665	1 655	1 942	1 603	1 345	1 391	1 007	-3.67	-7.45
Natural gas	4 244	5 919	6 184	6 640	4 901	5 120	5 384	+0.92	-3.43
Derived gases	1 407	613	556	459	435	417	413	-4.61	-1.76
Solid biomass & charcoal	1 031	1 129	1 603	1 932	2 196	2 251	2 278	+3.09	+2.78
Liquid biofuels		62	3	232	319	296	301		+4.46
All other renewable energies	2	6	34	84	176	181	205	+20.53	+15.98
Non-renewable wastes	8	57	132	161	197	222	246	+14.30	+7.32
Electricity	4 142	4 246	4 754	4 828	4 792	4 881	4 987	+0.72	+0.54
Derived heat	2 959	2 624	2 478	2 529	2 031	2 080	2 219	-1.10	-2.16
<b>Statistical difference</b>	1 816	339	268	788	18	540	594		
<b>Final non-energy consumption</b>	1 714	2 093	2 948	2 808	2 871	2 447	1 764	+0.11	-7.46
<b>Final energy consumption</b>	32 707	25 071	26 330	25 414	23 680	24 247	24 881	-1.05	-0.35
Industry	17 279	10 129	9 681	7 915	7 376	7 449	7 417	-3.20	-1.08
Transport	2 793	4 368	6 095	6 229	6 241	6 490	6 734	+3.44	+1.31
Road transport	2 298	3 837	5 442	5 588	5 673	5 903	6 143	+3.85	+1.59
Domestic & International aviation	223	200	345	343	311	333	359	+1.86	+0.74
Other sectors	12 635	10 574	10 554	11 270	10 063	10 308	10 730	-0.63	-0.82
Services	3 026	2 972	3 105	3 244	2 893	2 943	3 054	+0.04	-1.00
Residential	7 315	6 423	6 649	7 399	6 481	6 685	6 992	-0.17	-0.94

Source: Eurostat (nrg\_100a)

Denmark, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	14 949		7 026	4 054		3 492	376		
+ Primary production receipt									
+ Other sources (recovered products)	18		1	18					
+ Recycled products									
+ Imports	18 177	1 615	13 070	612		1 531	59	1 288	3
+ Stock changes	600	291	187	109		13			
- Exports	15 655	12	12 865	1 897		29		853	
- Bunkers	668		668						
- Direct use	1		1						
<b>Gross inland consumption</b>	<b>17 422</b>	<b>1 895</b>	<b>6 751</b>	<b>2 896</b>		<b>5 008</b>	<b>435</b>	<b>435</b>	<b>3</b>
<b>Transformation input</b>	<b>14 826</b>	<b>1 835</b>	<b>9 387</b>	<b>896</b>		<b>2 277</b>	<b>413</b>	<b>19</b>	
+ Conventional thermal power stations	4 476	1 834	81	519		1 673	370		
+ Nuclear power stations									
+ District heating plants	1 048	1	18	364		603	43	19	
+ Coke ovens									
+ Blast furnaces									
+ Gas works	14			14					
+ Refineries	9 288		9 288						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>14 011</b>		<b>9 287</b>					<b>1 460</b>	<b>3 264</b>
+ Conventional thermal power stations	3 635							1 460	2 175
+ Nuclear power stations									
+ District heating plants	1 090								1 090
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	9 287		9 287						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>30</b>		<b>30</b>			<b>- 1 165</b>		<b>1 165</b>	
<b>Consumption of the energy branch</b>	<b>1 108</b>		<b>329</b>	<b>524</b>		<b>4</b>		<b>200</b>	<b>51</b>
<b>Distribution losses</b>	<b>810</b>			<b>3</b>				<b>162</b>	<b>645</b>
<b>Available for final consumption</b>	<b>14 718</b>	<b>60</b>	<b>6 351</b>	<b>1 472</b>		<b>1 563</b>	<b>22</b>	<b>2 679</b>	<b>2 571</b>
<b>Statistical difference</b>	<b>19</b>	<b>- 53</b>	<b>93</b>	<b>- 26</b>		<b>1</b>	<b>- 0</b>	<b>- 0</b>	<b>5</b>
<b>Final non-energy consumption</b>	<b>249</b>		<b>249</b>						
<b>Final energy consumption</b>	<b>14 449</b>	<b>113</b>	<b>6 009</b>	<b>1 498</b>		<b>1 562</b>	<b>22</b>	<b>2 679</b>	<b>2 566</b>
+ Industry	2 144	100	424	646		167	16	725	66
+ Iron and Steel	83		2	39		0		39	4
+ Chemical and Petrochemical	255	12	6	111				116	11
+ Non-ferrous metals									
+ Non-metallic minerals	459	56	197	100		21	15	64	6
+ Transport eEquipment	16		1	5		1		8	1
+ Machinery	221		18	50		17	0	123	12
+ Mining and Quarrying	75	2	20	16		30		7	1
+ Food, Beverages and Tobacco	603	29	50	263		35	0	205	20
+ Paper, Pulp and Printing	74		3	34		3	0	30	3
+ Wood and Wood products	73		3	2		48		18	2
+ Construction	161		120	8		0		32	
+ Textile and Leather	17			5		0		10	1
+ Not elsewhere specified (Industry)	106		3	13		12	0	71	7
+ Transport	5 110		4 835	3		236		36	
+ Rail	117		82					36	
+ Road	3 823		3 584	3		236			
+ International aviation	950		950						
+ Domestic aviation	31		31						
+ Domestic navigation	153		153						
+ Pipeline transport									
+ Not elsewhere specified (Transport)	36		36						
+ Other sectors	7 196	13	749	849		1 159	6	1 918	2 500
+ Commercial and public services	1 975		63	182		60	6	883	780
+ Residential	4 463		231	622		1 043		885	1 682
+ Agriculture / Forestry	630	13	332	40		57		150	38
+ Fishing	123		123						
+ Not elsewhere specified (Other)	5			5					

Source: Eurostat (nrg\_100a)

Denmark	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	10 001	27 568	30 761	22 901	15 764	15 739	14 949	+1.56	-6.86
Solid fossil fuels									
Crude oil & other hydrocarbons	6 033	18 092	18 457	12 039	8 047	7 665	7 026	+0.59	-8.58
Natural gas	2 770	7 412	9 383	7 343	4 138	4 144	4 054	+1.48	-9.43
Nuclear heat									
Renewable energies	1 032	1 738	2 514	3 113	3 199	3 559	3 492	+4.80	+1.93
Non-renewable wastes	167	327	406	406	379	370	376	+3.18	-1.28
<b>Net imports</b>	8 633	- 7 366	- 10 152	- 3 253	2 177	2 353	2 523	-4.62	
Solid fossil fuels	6 215	3 783	3 505	2 642	2 552	1 483	1 603	-5.08	-7.99
Crude oil & other hydrocarbons	2 013	- 8 783	- 10 933	- 5 033	- 1 630	- 578	- 460		
Petroleum products	724	397	1 839	1 447	954	996	665	-0.33	-12.15
Natural gas	- 928	- 2 882	- 5 010	- 3 022	- 1 314	- 1 376	- 1 285	+1.26	-13.28
Renewable energies		59	326	806	1 328	1 260	1 502		+10.93
<b>Gross inland consumption</b>	17 898	19 736	19 530	20 044	16 860	16 853	17 422	-0.10	-2.31
Solid fossil fuels	6 087	3 985	3 713	3 809	2 432	1 744	1 895	-4.39	-10.99
Crude oil & petroleum products	8 148	9 101	8 037	7 568	6 411	6 482	6 751	-0.72	-1.89
Gas	1 856	4 465	4 413	4 435	2 820	2 869	2 896	+1.73	-6.86
Nuclear heat									
Renewable energies	1 032	1 797	2 840	3 920	4 532	4 819	5 008	+6.26	+4.17
Non-renewable wastes	167	327	406	406	416	427	435	+3.76	+1.15
<b>Transformation input</b>	15 056	16 808	15 375	15 682	14 475	14 161	14 826	-0.06	-0.93
Conventional thermal power stations	6 022	7 834	7 127	7 623	4 717	3 983	4 476	-1.13	-8.49
Nuclear power stations									
District heating plants	1 010	521	534	869	927	1 023	1 048	+0.14	+3.17
Coke-ovens									
Blast-furnaces									
Refineries	7 982	8 435	7 700	7 175	8 816	9 140	9 288	+0.58	+4.39
BKB / PB plants									
<b>Transformation output</b>	12 366	14 013	13 322	13 469	13 357	13 476	14 011	+0.48	+0.66
Conventional thermal power stations	3 477	5 052	5 074	5 439	3 595	3 283	3 635	+0.17	-6.50
Nuclear power stations									
District heating plants	908	527	553	861	951	1 057	1 090	+0.70	+4.01
Coke-ovens									
Blast-furnaces									
Refineries	7 980	8 434	7 695	7 169	8 811	9 135	9 287	+0.58	+4.41
BKB / PB plants									
<i>of which: electricity</i>	2 179	2 733	2 546	2 668	1 590	1 220	1 460	-1.53	-9.56
<i>of which: derived heat</i>	2 207	2 846	3 082	3 632	2 956	3 120	3 264	+1.52	-1.76
<b>Exchanges, transfers and returns</b>	- 2	- 0	- 6	- 0	32	14	30		
<b>Consumption of the energy branch</b>	771	1 171	1 285	1 215	1 126	1 148	1 108	+1.41	-1.51
<b>Distribution losses</b>	659	750	743	942	755	775	810	+0.80	-2.49
<b>Energy available for final consumption</b>	13 776	15 020	15 444	15 674	13 893	14 260	14 718	+0.25	-1.04
Solid fossil fuels	401	315	268	36	183	170	60	-7.07	+8.79
Gas/Diesel Oil (w/o bio)	3 879	3 638	3 693	3 947	3 471	3 546	3 613	-0.27	-1.46
Motor Gasoline (w/o bio)	1 665	2 055	1 954	1 694	1 346	1 352	1 361	-0.77	-3.58
Kerosene Type Jet Fuel	697	855	949	858	956	932	1 030	+1.51	+3.08
Naphtha		3		1					
LPG	102	81	73	55	42	48	48	-2.84	-2.11
All other oil & petroleum products	1 111	702	630	408	179	140	299	-4.92	-5.06
Natural gas	1 122	1 652	1 615	1 738	1 392	1 438	1 455	+1.01	-2.92
Derived gases	37	16	13	13	16	16	17	-2.96	+5.04
Solid biomass & charcoal	536	602	854	1 182	1 001	1 168	1 210	+3.18	+0.39
Liquid biofuels				28	245	238	239		+43.21
All other renewable energies	20	38	61	54	62	67	114	+6.94	+13.36
Non-renewable wastes	10	17	29	19	24	20	22	+3.10	+2.65
Electricity	2 439	2 791	2 878	2 761	2 646	2 655	2 679	+0.36	-0.50
Derived heat	1 757	2 255	2 428	2 880	2 330	2 470	2 571	+1.47	-1.87
<b>Statistical difference</b>	15	1	- 344	- 109	35	- 3	19		
<b>Final non-energy consumption</b>	308	301	289	263	252	252	249	-0.81	-0.87
<b>Final energy consumption</b>	13 453	14 718	15 499	15 519	13 605	14 011	14 449	+0.28	-1.18
Industry	2 674	2 919	2 846	2 410	2 081	2 091	2 144	-0.85	-1.93
Transport	4 027	4 816	5 324	5 179	4 899	4 953	5 110	+0.92	-0.22
<i>Road transport</i>	3 070	3 682	4 038	4 021	3 687	3 759	3 823	+0.85	-0.84
<i>Domestic &amp; International aviation</i>	656	831	900	854	935	913	981	+1.56	+2.33
Other sectors	6 751	6 984	7 329	7 930	6 625	6 966	7 196	+0.25	-1.61
<i>Services</i>	1 740	1 843	2 002	2 128	1 847	1 904	1 975	+0.49	-1.24
<i>Residential</i>	4 006	4 162	4 452	4 914	4 028	4 297	4 463	+0.42	-1.59

Source: Eurostat (nrg\_100a)

Germany, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	115 650	39 725	3 547	6 551	21 832	39 481	4 513		
+ Primary production receipt	3 349		3 349						
+ Other sources (recovered products)	59		59						
+ Recycled products	490		490						
+ Imports	254 829	39 647	130 244	81 613		889		2 437	
+ Stock changes	708	- 802	15	1 495					
- Exports	51 619	1 344	22 708	19 328		1 455		6 781	3
- Bunkers	2 803		2 803						
- Direct use	3 395		3 395						
<b>Gross inland consumption</b>	<b>317 268</b>	<b>77 227</b>	<b>108 798</b>	<b>70 330</b>	<b>21 832</b>	<b>38 915</b>	<b>4 513</b>	<b>- 4 344</b>	<b>- 3</b>
<b>Transformation input</b>	<b>236 159</b>	<b>75 656</b>	<b>103 128</b>	<b>19 875</b>	<b>21 832</b>	<b>12 300</b>	<b>3 369</b>		
+ Conventional thermal power stations	91 066	58 663	460	17 659		11 419	2 865		
+ Nuclear power stations	21 832				21 832				
+ District heating plants	4 058	319	138	2 216		881	504		
+ Coke ovens	9 060	8 705	355						
+ Blast furnaces	4 351	4 351							
+ Gas works									
+ Refineries	102 175		102 175						
+ Patent fuel plants									
+ BKB/PB plants	3 617	3 617							
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>172 339</b>	<b>9 456</b>	<b>102 118</b>	<b>6 024</b>				<b>43 533</b>	<b>11 208</b>
+ Conventional thermal power stations	44 383							36 256	8 127
+ Nuclear power stations	7 277							7 277	
+ District heating plants	3 081								3 081
+ Coke ovens	8 062	6 390		1 673					
+ Blast furnaces	4 351			4 351					
+ Gas works									
+ Refineries	102 118		102 118						
+ Patent fuel plants									
+ BKB/PB plants	3 066	3 066							
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>53</b>		<b>53</b>			<b>- 11 801</b>		<b>11 801</b>	
<b>Consumption of the energy branch</b>	<b>13 376</b>	<b>182</b>	<b>6 176</b>	<b>1 897</b>		<b>523</b>	<b>12</b>	<b>4 288</b>	<b>299</b>
<b>Distribution losses</b>	<b>4 170</b>			<b>807</b>		<b>23</b>		<b>2 215</b>	<b>1 125</b>
<b>Available for final consumption</b>	<b>235 956</b>	<b>10 845</b>	<b>101 666</b>	<b>53 776</b>		<b>14 269</b>	<b>1 132</b>	<b>44 486</b>	<b>9 782</b>
<b>Statistical difference</b>	<b>- 1 924</b>	<b>300</b>	<b>1 012</b>	<b>- 3 235</b>		<b>- 1</b>			
<b>Final non-energy consumption</b>	<b>21 433</b>	<b>382</b>	<b>18 428</b>	<b>2 623</b>					
<b>Final energy consumption</b>	<b>216 447</b>	<b>10 163</b>	<b>82 226</b>	<b>54 388</b>		<b>14 270</b>	<b>1 132</b>	<b>44 486</b>	<b>9 782</b>
+ Industry	61 123	9 610	2 387	21 461		2 774	1 132	19 484	4 273
+ Iron and Steel	13 069	6 628	58	4 025		0		2 327	31
+ Chemical and Petrochemical	14 938	890	1 152	5 372		132	299	4 607	2 486
+ Non-ferrous metals	2 349	29	75	834		0	6	1 374	31
+ Non-metallic minerals	6 458	1 278	435	2 510		412	744	1 059	20
+ Transport eEquipment	3 029	176	44	916		7	0	1 549	336
+ Machinery	5 245	3	239	1 775		101	1	2 878	248
+ Mining and Quarrying	377	64	29	107		20		153	3
+ Food, Beverages and Tobacco	5 065	200	167	2 784		56		1 593	264
+ Paper, Pulp and Printing	5 542	335	37	2 026		601	82	1 842	619
+ Wood and Wood products	1 922		14	130		1 329	0	399	50
+ Construction									
+ Textile and Leather	474	5	22	240		2		188	16
+ Not elsewhere specified (Industry)	2 654		114	742		113	0	1 515	169
+ Transport	65 173		61 146	446		2 572		1 009	
+ Rail	1 350		333			17		1 000	
+ Road	53 742		51 016	163		2 555		9	
+ International aviation	8 617		8 617						
+ Domestic aviation	777		777						
+ Domestic navigation	269		269						
+ Pipeline transport	283			283					
+ Not elsewhere specified (Transport)	135		135						
+ Other sectors	90 152	553	18 692	32 481		8 924		23 993	5 508
+ Commercial and public services	34 000	27	7 059	10 388		2 416		13 021	1 089
+ Residential	56 046	526	11 528	22 092		6 509		10 972	4 420
+ Agriculture / Forestry									
+ Fishing									
+ Not elsewhere specified (Other)	106		106						

Source: Eurostat (nrg\_100a)

Germany	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	186 410	135 234	136 578	128 515	119 770	119 623	115 650	-1.82	-1.74
Solid fossil fuels	121 774	60 629	56 484	45 906	44 133	43 004	39 725	-4.22	-2.38
Crude oil & other hydrocarbons	5 358	4 389	5 004	3 621	3 398	3 470	3 547	-1.57	-0.34
Natural gas	13 532	15 800	14 334	11 113	6 864	6 335	6 551	-2.75	-8.43
Nuclear heat	39 432	43 750	42 061	36 257	25 055	23 677	21 832	-2.25	-8.11
Renewable energies	5 313	8 983	16 851	27 712	36 018	38 886	39 481	+8.02	+6.08
Non-renewable wastes	1 000	1 681	1 845	3 906	4 302	4 252	4 513	+5.97	+2.44
<b>Net imports</b>	166 856	204 706	208 409	202 146	194 860	195 929	203 210	+0.76	+0.09
Solid fossil fuels	3 394	21 663	25 972	31 644	35 659	36 166	38 303	+9.77	+3.23
Crude oil & other hydrocarbons	89 162	101 441	111 336	92 069	89 369	89 680	90 596	+0.06	-0.27
Petroleum products	32 472	24 477	9 201	18 222	16 686	16 094	16 939	-2.47	-1.21
Natural gas	41 752	56 865	61 940	61 645	56 673	58 676	62 285	+1.55	+0.17
Renewable energies			359	- 141	- 612	- 532	- 566		+26.01
<b>Gross inland consumption</b>	356 288	342 333	341 925	332 486	313 240	313 971	317 268	-0.45	-0.78
Solid fossil fuels	128 547	84 802	81 952	78 824	79 617	79 515	77 227	-1.94	-0.34
Crude oil & petroleum products	126 544	130 980	121 475	111 317	108 402	107 174	108 798	-0.58	-0.38
Gas	55 375	71 878	77 782	75 905	63 374	65 154	70 330	+0.92	-1.26
Nuclear heat	39 432	43 750	42 061	36 257	25 055	23 677	21 832	-2.25	-8.11
Renewable energies	5 313	8 983	17 209	27 571	35 406	38 354	38 915	+7.96	+5.91
Non-renewable wastes	1 000	1 681	1 845	3 906	4 302	4 252	4 513	+5.97	+2.44
<b>Transformation input</b>	299 502	264 629	276 080	250 586	235 292	234 012	236 159	-0.91	-0.98
Conventional thermal power stations	99 945	84 561	90 075	90 587	90 873	89 509	91 066	-0.36	+0.09
Nuclear power stations	39 432	43 750	42 061	36 257	25 055	23 677	21 832	-2.25	-8.11
District heating plants		1 198	3 942	4 754	3 883	4 143	4 058		-2.61
Coke-ovens	20 621	8 476	7 540	8 316	8 552	8 504	9 060	-3.11	+1.44
Blast-furnaces	4 383	4 308	4 578	4 524	4 357	4 486	4 351	-0.03	-0.65
Refineries	108 844	119 420	125 047	103 073	98 957	100 078	102 175	-0.24	-0.15
BKB / PB plants	23 098	2 791	2 769	3 075	3 615	3 615	3 617	-6.88	+2.74
<b>Transformation output</b>	212 443	188 455	199 843	177 676	168 313	169 538	172 339	-0.80	-0.51
Conventional thermal power stations	43 082	38 429	43 508	44 404	43 015	43 272	44 383	+0.11	-0.01
Nuclear power stations	13 212	14 584	14 020	12 086	8 352	7 892	7 277	-2.27	-8.11
District heating plants		1 065	3 080	3 632	2 864	3 106	3 081		-2.70
Coke-ovens	19 032	8 099	7 100	7 023	7 533	7 577	8 062	-3.25	+2.33
Blast-furnaces	4 383	4 308	4 578	4 524	4 357	4 486	4 351	-0.03	-0.65
Refineries	108 808	119 366	124 983	103 022	98 905	100 026	102 118	-0.24	-0.15
BKB / PB plants	21 377	2 502	2 509	2 987	3 288	3 180	3 066	-7.20	+0.44
<i>of which: electricity</i>	45 585	46 532	48 809	47 817	43 761	43 341	43 533	-0.18	-1.55
<i>of which: derived heat</i>	10 709	7 546	11 799	12 305	10 470	10 929	11 208	+0.18	-1.54
<b>Exchanges, transfers and returns</b>	94	43	7	37	- 27	56	53		
<b>Consumption of the energy branch</b>	16 339	14 566	14 384	13 378	12 674	12 835	13 376	-0.77	-0.00
<b>Distribution losses</b>	4 312	4 304	4 135	3 612	3 689	3 821	4 170	-0.13	+2.42
<b>Energy available for final consumption</b>	248 672	247 332	247 177	242 624	229 870	232 898	235 956	-0.20	-0.46
Solid fossil fuels	34 177	11 150	9 341	11 584	10 099	11 023	10 845	-4.32	-1.09
Gas/Diesel Oil (w/o bio)	52 774	56 086	53 196	51 075	51 791	51 670	51 959	-0.06	+0.29
Motor Gasoline (w/o bio)	32 771	31 337	23 795	19 136	17 731	17 557	17 524	-2.38	-1.46
Kerosene Type Jet Fuel	5 250	7 260	8 319	8 954	8 974	9 038	9 589	+2.34	+1.15
Naphtha	10 046	13 456	14 396	12 953	13 329	12 681	12 543	+0.86	-0.53
LPG	2 479	2 680	2 722	3 056	2 759	2 843	2 805	+0.48	-1.42
All other oil & petroleum products	13 275	11 068	9 385	7 967	7 167	6 990	7 246	-2.30	-1.57
Natural gas	40 477	57 992	58 682	54 673	48 049	49 662	51 665	+0.94	-0.94
Derived gases	6 159	3 074	2 566	2 553	2 481	2 591	2 110	-4.04	-3.12
Solid biomass & charcoal	2 833	4 362	6 107	8 051	7 837	8 671	8 949	+4.52	+1.78
Liquid biofuels		237	1 919	3 151	2 929	2 714	2 720		-2.42
All other renewable energies	151	230	814	1 469	2 459	2 577	2 600	+11.56	+9.98
Non-renewable wastes			276	953	1 018	1 026	1 132		+2.91
Electricity	39 130	41 569	44 907	45 780	44 096	44 259	44 486	+0.49	-0.48
Derived heat	9 150	6 831	10 751	11 268	9 150	9 594	9 782	+0.26	-2.33
<b>Statistical difference</b>	- 3 197	2 260	4 059	392	- 1 140	- 492	- 1 924		
<b>Final non-energy consumption</b>	22 944	25 064	24 662	22 582	22 129	21 266	21 433	-0.26	-0.87
<b>Final energy consumption</b>	228 925	220 008	218 456	219 650	208 881	212 124	216 447	-0.22	-0.24
Industry	72 167	57 570	59 093	60 562	60 715	60 951	61 123	-0.64	+0.15
Transport	59 706	66 770	62 321	61 101	63 467	63 168	65 173	+0.34	+1.08
<i>Road transport</i>	51 320	57 104	51 309	50 254	52 694	52 430	53 742	+0.18	+1.12
<i>Domestic &amp; International aviation</i>	5 594	7 362	8 282	8 732	8 728	8 741	9 394	+2.01	+1.22
Other sectors	97 051	95 668	97 042	97 987	84 699	88 004	90 152	-0.28	-1.38
<i>Services</i>	28 950	25 793	33 193	35 356	33 043	34 716	34 000	+0.62	-0.65
<i>Residential</i>	62 838	65 237	63 498	62 454	51 527	53 171	56 046	-0.44	-1.79

Source: Eurostat (nrg\_100a)



Estonia, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	4 677	3 146				1 461	70		
+ Primary production receipt	86		86						
+ Other sources (recovered products)	735		735						
+ Recycled products									
+ Imports	2 606	15	1 842	428		14		308	
+ Stock changes	639	650	- 11			- 0	0		
- Exports	2 164	14	1 158			509		483	
- Bunkers	272		272						
- Direct use	89		89						
<b>Gross inland consumption</b>	<b>6 219</b>	<b>3 797</b>	<b>1 132</b>	<b>428</b>		<b>966</b>	<b>71</b>	<b>- 175</b>	
<b>Transformation input</b>	<b>4 500</b>	<b>3 635</b>	<b>57</b>	<b>262</b>		<b>499</b>	<b>46</b>		
+ Conventional thermal power stations	3 062	2 577	39	125		275	46		
+ Nuclear power stations									
+ District heating plants	383	4	18	137		224			
+ Coke ovens	15	15							
+ Blast furnaces									
+ Gas works	137	137							
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants	901	901							
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>1 686</b>	<b>9</b>		<b>113</b>				<b>993</b>	<b>572</b>
+ Conventional thermal power stations	1 279							993	286
+ Nuclear power stations									
+ District heating plants	286								286
+ Coke ovens	9	9							
+ Blast furnaces									
+ Gas works	113			113					
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>						<b>- 54</b>		<b>54</b>	
<b>Consumption of the energy branch</b>	<b>269</b>	<b>9</b>	<b>17</b>	<b>26</b>		<b>1</b>	<b>11</b>	<b>196</b>	<b>9</b>
<b>Distribution losses</b>	<b>140</b>							<b>62</b>	<b>77</b>
<b>Available for final consumption</b>	<b>2 996</b>	<b>162</b>	<b>1 058</b>	<b>252</b>		<b>411</b>	<b>13</b>	<b>614</b>	<b>485</b>
<b>Statistical difference</b>	<b>89</b>	<b>90</b>						<b>- 14</b>	<b>13</b>
<b>Final non-energy consumption</b>	<b>89</b>	<b>43</b>	<b>46</b>						
<b>Final energy consumption</b>	<b>2 818</b>	<b>29</b>	<b>1 012</b>	<b>252</b>		<b>411</b>	<b>13</b>	<b>628</b>	<b>472</b>
+ Industry	454	23	78	107		11	13	185	38
+ Iron and Steel	0			0				0	
+ Chemical and Petrochemical	38		7	4				10	17
+ Non-ferrous metals	2			1				0	
+ Non-metallic minerals	70	23	1	17		0	13	14	2
+ Transport eEquipment	11		1	2		0		6	2
+ Machinery	38		1	5		1		25	5
+ Mining and Quarrying	12		5	5				2	0
+ Food, Beverages and Tobacco	67		12	24		0		28	3
+ Paper, Pulp and Printing	62			23		3		35	1
+ Wood and Wood products	58		6	10		5		35	2
+ Construction	60		43	7		1		7	2
+ Textile and Leather	11		1	2		0		6	2
+ Not elsewhere specified (Industry)	25		1	4		0		17	3
+ Transport	811		801	4		3		4	
+ Rail	16		15					1	
+ Road	753		745	4		3		1	
+ International aviation	22		22						
+ Domestic aviation									
+ Domestic navigation	19		19						
+ Pipeline transport									
+ Not elsewhere specified (Transport)	2							2	
+ Other sectors	1 553	6	134	142		398		438	435
+ Commercial and public services	494	1	26	79		11		255	121
+ Residential	931	2	11	58		384		164	312
+ Agriculture / Forestry	127	3	97	5		3		18	2
+ Fishing	1							1	
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Estonia	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	5 226	3 181	3 868	4 930	5 572	5 600	4 677	-0.43	-0.88
Solid fossil fuels	5 038	2 669	3 176	3 943	4 318	4 246	3 146	-1.79	-3.69
Crude oil & other hydrocarbons									
Natural gas									
Nuclear heat									
Renewable energies	188	512	692	988	1 186	1 286	1 461	+8.21	+6.74
Non-renewable wastes					68	67	70		
<b>Net imports</b>	4 473	1 633	1 496	866	625	483	443	-8.51	-10.58
Solid fossil fuels	682	270	23	- 22	12	- 11	1	-22.49	
Crude oil & other hydrocarbons		- 125	- 225	- 394	- 612	- 781	- 646		+8.59
Petroleum products	3 171	911	1 142	1 153	1 344	1 335	1 329	-3.29	+2.39
Natural gas	1 222	662	800	563	436	390	428	-3.95	-4.44
Renewable energies		- 5	- 105	- 154	- 317	- 371	- 495		+21.50
<b>Gross inland consumption</b>	9 749	4 973	5 615	6 150	6 471	6 297	6 219	-1.71	+0.18
Solid fossil fuels	5 949	2 968	3 190	3 917	4 244	3 893	3 797	-1.71	-0.52
Crude oil & petroleum products	2 992	911	1 175	1 104	1 100	1 120	1 132	-3.67	+0.43
Gas	1 222	662	800	563	436	390	428	-3.95	-4.44
Nuclear heat									
Renewable energies	188	513	589	846	859	906	966	+6.50	+2.22
Non-renewable wastes					68	67	71		
<b>Transformation input</b>	6 968	3 405	3 893	4 677	4 571	4 170	4 500	-1.67	-0.64
Conventional thermal power stations	4 987	2 438	2 597	3 114	3 196	2 690	3 062	-1.86	-0.28
Nuclear power stations									
District heating plants	1 558	453	489	446	317	302	383	-5.25	-2.50
Coke-ovens	50	27	40	22	27	9	15	-4.49	-5.73
Blast-furnaces									
Refineries									
BKB / PB plants	86	45	28	34	24	3			
<b>Transformation output</b>	4 164	1 515	1 656	1 907	1 738	1 476	1 686	-3.42	-2.03
Conventional thermal power stations	2 656	994	1 098	1 339	1 288	1 100	1 279	-2.77	-0.76
Nuclear power stations									
District heating plants	1 301	382	412	360	248	238	286	-5.66	-3.76
Coke-ovens	28	16	25	15	17	5	9	-4.33	-8.42
Blast-furnaces									
Refineries									
BKB / PB plants	96	41	25	40	30	4			
of which: electricity	1 477	732	871	1 089	1 016	832	993	-1.52	-1.52
of which: derived heat	2 480	644	640	610	521	506	572	-5.49	-1.08
<b>Exchanges, transfers and returns</b>									
<b>Consumption of the energy branch</b>	299	167	195	200	241	226	269	-0.41	+5.04
<b>Distribution losses</b>	241	222	179	157	150	130	140	-2.08	-1.94
<b>Energy available for final consumption</b>	6 405	2 693	3 004	3 023	3 248	3 246	2 996	-2.88	-0.15
Solid fossil fuels	920	269	39	114	433	442	162	-6.46	+6.08
Gas/Diesel Oil (w/o bio)	688	318	572	597	661	696	690	+0.01	+2.44
Motor Gasoline (w/o bio)	561	304	311	289	245	243	261	-2.90	-1.71
Kerosene Type Jet Fuel	35	21	42	38	41	25	22	-1.84	-9.01
Naphtha									
LPG		8	7	9	10	14	23		+17.68
All other oil & petroleum products	619	121	139	93	102	88	63	-8.41	-6.27
Natural gas	439	277	380	207	224	222	252	-2.11	+3.36
Derived gases		- 0							
Solid biomass & charcoal	188	425	447	550	472	477	404	+2.99	-5.01
Liquid biofuels					6	3	3		
All other renewable energies			1	1	5	4	5		+31.52
Non-renewable wastes					17	12	13		
Electricity	585	431	519	594	594	589	614	+0.18	+0.55
Derived heat	2 370	521	547	532	439	431	485	-5.92	-1.50
<b>Statistical difference</b>	664	79	- 102	25	327	383	89		
<b>Final non-energy consumption</b>	259	180	229	90	107	98	89	-4.03	-0.25
<b>Final energy consumption</b>	5 482	2 434	2 878	2 907	2 814	2 765	2 818	-2.53	-0.52
Industry	2 520	571	719	575	555	524	454	-6.38	-3.85
Transport	869	586	774	785	780	785	811	-0.26	+0.55
Road transport	744	505	665	683	707	726	753	+0.05	+1.64
Domestic & International aviation	37	22	48	38	41	25	22	-2.06	-9.01
Other sectors	2 093	1 277	1 385	1 547	1 478	1 456	1 553	-1.14	+0.06
Services	288	289	389	424	458	466	494	+2.10	+2.58
Residential	918	929	890	1 028	889	858	931	+0.05	-1.64

Source: Eurostat (nrg\_100a)

Ireland, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	4 201	679		2 483		973	66		
+ Primary production receipt	54		54						
+ Other sources (recovered products)	54		54						
+ Recycled products									
+ Imports	12 127	1 155	9 056	1 700		141		75	
+ Stock changes	387	266	68	59		- 6			
- Exports	1 770	14	1 620			0		136	
- Bunkers	152		152						
- Direct use	54		54						
<b>Gross inland consumption</b>	<b>14 846</b>	<b>2 085</b>	<b>7 406</b>	<b>4 242</b>		<b>1 108</b>	<b>66</b>	<b>- 61</b>	
<b>Transformation input</b>	<b>7 585</b>	<b>1 709</b>	<b>3 307</b>	<b>2 383</b>		<b>161</b>	<b>25</b>		
+ Conventional thermal power stations	4 211	1 632	64	2 329		161	25		
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	3 243		3 243						
+ Patent fuel plants									
+ BKB/PB plants	77	77							
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	54			54					
<b>Transformation output</b>	<b>5 332</b>	<b>87</b>	<b>3 242</b>					<b>2 003</b>	
+ Conventional thermal power stations	2 003							2 003	
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	3 242		3 242						
+ Patent fuel plants									
+ BKB/PB plants	87	87							
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>0</b>		<b>0</b>			<b>- 588</b>		<b>588</b>	
<b>Consumption of the energy branch</b>	<b>252</b>	<b>11</b>	<b>140</b>					<b>101</b>	
<b>Distribution losses</b>	<b>244</b>			<b>60</b>				<b>184</b>	
<b>Available for final consumption</b>	<b>12 098</b>	<b>453</b>	<b>7 201</b>	<b>1 799</b>		<b>359</b>	<b>42</b>	<b>2 244</b>	
<b>Statistical difference</b>	<b>221</b>	<b>- 23</b>	<b>187</b>	<b>24</b>		<b>- 12</b>		<b>45</b>	
<b>Final non-energy consumption</b>	<b>267</b>		<b>267</b>						
<b>Final energy consumption</b>	<b>11 610</b>	<b>476</b>	<b>6 747</b>	<b>1 774</b>		<b>371</b>	<b>42</b>	<b>2 199</b>	
+ Industry	2 446	111	489	759		173	42	872	
+ Iron and Steel									
+ Chemical and Petrochemical	250		27	64				159	
+ Non-ferrous metals	492		9	416				68	
+ Non-metallic minerals	424	90	181	17		39	42	56	
+ Transport eEquipment	25		4	2				18	
+ Machinery	304		47	127				130	
+ Mining and Quarrying	105		31	12				63	
+ Food, Beverages and Tobacco	461	21	129	104		21		186	
+ Paper, Pulp and Printing	26		2	3				20	
+ Wood and Wood products	155		2	2		113		37	
+ Construction	6							6	
+ Textile and Leather	14		2	1				11	
+ Not elsewhere specified (Industry)	183		55	11				117	
+ Transport	4 948		4 826	0		118		4	
+ Rail	40		36					4	
+ Road	3 952		3 833	0		118		0	
+ International aviation	866		866						
+ Domestic aviation	4		4						
+ Domestic navigation	86		86						
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	4 216	366	1 432	1 016		80		1 323	
+ Commercial and public services	1 321		236	454		33		598	
+ Residential	2 668	366	1 017	562		47		677	
+ Agriculture / Forestry	207		159					48	
+ Fishing	20		20						
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Ireland	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	3 467	2 159	1 643	1 849	2 026	1 929	4 201	+0.74	+14.65
Solid fossil fuels	1 427	965	816	997	984	769	679	-2.81	-6.20
Crude oil & other hydrocarbons									
Natural gas	1 873	958	461	224	123	106	2 483	+1.09	+49.31
Nuclear heat									
Renewable energies	168	235	366	620	854	985	973	+7.00	+7.81
Non-renewable wastes				9	66	69	66		+40.65
<b>Net imports</b>	7 060	12 370	13 765	13 213	11 681	12 712	10 356	+1.48	-3.98
Solid fossil fuels	1 984	1 681	1 886	945	1 202	1 462	1 140	-2.11	+3.17
Crude oil & other hydrocarbons	2 031	3 016	3 166	2 984	2 689	3 692	3 205	+1.77	+1.20
Petroleum products	3 045	5 186	5 527	4 719	3 905	3 789	4 231	+1.27	-1.80
Natural gas		2 478	3 010	4 480	3 592	3 621	1 700		-14.91
Renewable energies			0	44	108	90	141		+21.56
<b>Gross inland consumption</b>	10 275	14 425	15 243	15 180	13 557	14 193	14 846	+1.43	-0.37
Solid fossil fuels	3 392	2 601	2 642	1 940	1 998	2 198	2 085	-1.85	+1.21
Crude oil & petroleum products	4 843	8 144	8 589	7 836	6 624	7 041	7 406	+1.65	-0.94
Gas	1 873	3 436	3 470	4 692	3 723	3 752	4 242	+3.19	-1.67
Nuclear heat									
Renewable energies	168	235	366	663	961	1 075	1 108	+7.53	+8.94
Non-renewable wastes				9	66	69	66		+40.65
<b>Transformation input</b>	5 091	8 329	8 034	7 639	6 583	7 333	7 585	+1.55	-0.12
Conventional thermal power stations	3 029	4 775	4 754	4 589	3 674	3 799	4 211	+1.28	-1.42
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries	1 753	3 341	3 203	2 936	2 763	3 427	3 243	+2.40	+1.67
BKB / PB plants	310	213	76	93	91	64	77	-5.22	-3.18
<b>Transformation output</b>	3 105	5 414	5 355	5 179	4 577	5 279	5 332	+2.10	+0.49
Conventional thermal power stations	1 164	1 942	2 054	2 129	1 716	1 781	2 003	+2.11	-1.01
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries	1 752	3 341	3 199	2 936	2 762	3 427	3 242	+2.39	+1.67
BKB / PB plants	189	131	103	114	99	71	87	-2.92	-4.29
<i>of which: electricity</i>	1 164	1 942	2 054	2 129	1 716	1 781	2 003	+2.11	-1.01
<i>of which: derived heat</i>									
<b>Exchanges, transfers and returns</b>		- 1	- 0	1	0	1	0		
<b>Consumption of the energy branch</b>	170	254	300	243	236	250	252	+1.51	+0.59
<b>Distribution losses</b>	143	202	243	251	238	239	244	+2.09	-0.47
<b>Energy available for final consumption</b>	7 976	11 053	12 021	12 226	11 077	11 651	12 098	+1.62	-0.18
Solid fossil fuels	1 401	581	735	579	494	510	453	-4.25	-4.00
Gas/Diesel Oil (w/o bio)	1 859	2 915	2 907	3 089	3 225	3 436	3 738	+2.72	+3.23
Motor Gasoline (w/o bio)	937	1 518	1 704	1 456	1 164	1 117	1 028	+0.36	-5.64
Kerosene Type Jet Fuel	355	659	883	807	745	833	935	+3.80	+2.49
Naphtha	1		- 11						
LPG	142	169	164	152	143	157	163	+0.54	+1.20
All other oil & petroleum products	1 154	1 774	2 017	2 083	1 170	1 277	1 337	+0.57	-7.13
Natural gas	999	1 583	1 363	1 582	1 636	1 754	1 799	+2.29	+2.17
Derived gases									
Solid biomass & charcoal	105	113	178	180	194	185	183	+2.14	+0.28
Liquid biofuels			1	93	90	88	115		+3.63
All other renewable energies	2	4	7	22	46	53	62	+13.45	+18.50
Non-renewable wastes				9	42	44	42		+30.22
Electricity	1 020	1 737	2 072	2 176	2 128	2 197	2 244	+3.08	+0.51
Derived heat									
<b>Statistical difference</b>	10	- 423	- 1 139	- 132	34	213	221		
<b>Final non-energy consumption</b>	629	675	516	342	208	216	267	-3.24	-4.02
<b>Final energy consumption</b>	7 337	10 802	12 644	12 017	10 834	11 222	11 610	+1.78	-0.57
Industry	1 729	2 498	2 582	2 146	2 244	2 389	2 446	+1.34	+2.21
Transport	2 022	4 107	5 129	4 776	4 540	4 624	4 948	+3.50	+0.59
<i>Road transport</i>	1 573	3 387	4 156	3 881	3 664	3 666	3 952	+3.61	+0.30
<i>Domestic &amp; International aviation</i>	374	630	862	769	750	847	870	+3.30	+2.08
Other sectors	3 585	4 197	4 933	5 095	4 051	4 210	4 216	+0.63	-3.11
<i>Services</i>	987	1 331	1 597	1 498	1 213	1 257	1 321	+1.13	-2.07
<i>Residential</i>	2 346	2 513	2 954	3 296	2 590	2 711	2 668	+0.49	-3.47

Source: Eurostat (nrg\_100a)

Greece, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	6 722	3 973	179	10		2 501	60		
+ Primary production receipt									
+ Other sources (recovered products)	21		21						
+ Recycled products	39		39						
+ Imports	37 502	190	32 858	3 462		145		845	
+ Stock changes	53	207	- 167	18		- 4			
- Exports	18 455		18 360			6		89	
- Bunkers	1 719		1 719						
- Direct use	21		21						
<b>Gross inland consumption</b>	<b>24 142</b>	<b>4 369</b>	<b>12 830</b>	<b>3 490</b>		<b>2 637</b>	<b>60</b>	<b>756</b>	
<b>Transformation input</b>	<b>37 908</b>	<b>4 160</b>	<b>31 393</b>	<b>2 233</b>		<b>89</b>	<b>33</b>		
+ Conventional thermal power stations	7 405	4 160	892	2 233		87	33		
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	30 500		30 500						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	3					3			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	1		1						
<b>Transformation output</b>	<b>33 712</b>		<b>30 499</b>			<b>1</b>		<b>3 161</b>	<b>51</b>
+ Conventional thermal power stations	3 212							3 161	51
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	30 499		30 499						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	1					1			
<b>Exchanges, transfers and returns</b>	<b>9</b>		<b>9</b>			<b>- 1 257</b>		<b>1 257</b>	
<b>Consumption of the energy branch</b>	<b>2 063</b>		<b>1 802</b>	<b>14</b>		<b>1</b>		<b>246</b>	
<b>Distribution losses</b>	<b>341</b>			<b>9</b>				<b>332</b>	
<b>Available for final consumption</b>	<b>17 552</b>	<b>209</b>	<b>10 144</b>	<b>1 233</b>		<b>1 290</b>	<b>28</b>	<b>4 597</b>	<b>51</b>
<b>Statistical difference</b>	<b>256</b>	<b>11</b>	<b>202</b>	<b>39</b>		<b>4</b>		<b>- 0</b>	
<b>Final non-energy consumption</b>	<b>593</b>		<b>446</b>	<b>146</b>					
<b>Final energy consumption</b>	<b>16 703</b>	<b>199</b>	<b>9 495</b>	<b>1 048</b>		<b>1 286</b>	<b>28</b>	<b>4 597</b>	<b>51</b>
+ Industry	3 073	194	1 184	551		146	28	970	
+ Iron and Steel	131		19	37				75	
+ Chemical and Petrochemical	154		46	65			28	16	
+ Non-ferrous metals	776	161	4	236				375	
+ Non-metallic minerals	776	33	635	20		11		77	
+ Transport eEquipment	16		11			1		3	
+ Machinery	30		14	3				13	
+ Mining and Quarrying	80		76			3		2	
+ Food, Beverages and Tobacco	445		156	64		104		120	
+ Paper, Pulp and Printing	48		19	8		3		18	
+ Wood and Wood products	23		3	0		15		5	
+ Construction	129		122			6		0	
+ Textile and Leather	41		6	8				27	
+ Not elsewhere specified (Industry)	424		72	110		3		239	
+ Transport	6 788		6 592	19		149		28	
+ Rail	56		41			2		14	
+ Road	5 093		4 925	19		147		2	
+ International aviation	879		879						
+ Domestic aviation	189		189						
+ Domestic navigation	557		556			1			
+ Pipeline transport									
+ Not elsewhere specified (Transport)	14		2					12	
+ Other sectors	6 842	5	1 720	477		990		3 598	51
+ Commercial and public services	2 035		176	148		39		1 672	
+ Residential	4 287	2	1 266	329		919		1 719	51
+ Agriculture / Forestry	271	0	32	0		31		207	
+ Fishing	13		12			0			
+ Not elsewhere specified (Other)	236	2	232			1			

Source: Eurostat (nrg\_100a)

Greece	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	9 204	10 012	10 325	9 446	8 805	8 473	6 722	-1.20	-5.51
Solid fossil fuels	7 119	8 222	8 538	7 315	6 384	5 675	3 973	-2.22	-9.68
Crude oil & other hydrocarbons	843	282	101	117	65	63	179	-5.79	+7.38
Natural gas	138	42	18	8	5	5	10	-9.76	+3.89
Nuclear heat									
Renewable energies	1 105	1 403	1 643	1 974	2 329	2 641	2 501	+3.19	+4.02
Non-renewable wastes		64	25	32	21	89	60		+11.06
<b>Net imports</b>	15 407	22 151	23 498	21 720	17 360	18 812	19 046	+0.82	-2.17
Solid fossil fuels	919	769	364	401	194	159	190	-5.87	-11.67
Crude oil & other hydrocarbons	14 807	20 596	19 488	20 641	25 988	27 011	28 516	+2.55	+5.53
Petroleum products	- 380	- 900	988	- 3 200	- 12 161	- 11 988	- 14 018	+14.89	+27.92
Natural gas		1 689	2 332	3 231	2 467	2 674	3 462		+1.16
Renewable energies				157	114	131	139		-1.97
<b>Gross inland consumption</b>	22 334	28 292	31 410	28 718	24 370	24 449	24 142	+0.30	-2.85
Solid fossil fuels	8 065	9 038	8 944	7 863	6 687	5 606	4 369	-2.33	-9.33
Crude oil & petroleum products	12 950	16 085	18 119	14 967	11 975	12 476	12 830	-0.04	-2.53
Gas	153	1 705	2 354	3 234	2 484	2 677	3 490	+12.78	+1.27
Nuclear heat									
Renewable energies	1 105	1 403	1 643	2 131	2 445	2 775	2 637	+3.40	+3.61
Non-renewable wastes		64	25	32	21	89	60		+11.06
<b>Transformation input</b>	25 376	34 062	33 950	33 418	36 742	36 599	37 908	+1.56	+2.12
Conventional thermal power stations	8 625	11 492	12 321	10 961	8 981	7 924	7 405	-0.58	-6.33
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries	16 665	22 508	21 536	22 455	27 758	28 672	30 500	+2.35	+5.24
BKB / PB plants	70	61	93						
<b>Transformation output</b>	19 561	26 839	26 239	26 545	31 108	31 920	33 712	+2.12	+4.06
Conventional thermal power stations	2 838	4 265	4 618	4 091	3 350	3 249	3 212	+0.48	-3.95
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries	16 662	22 506	21 533	22 454	27 757	28 670	30 499	+2.35	+5.24
BKB / PB plants	61	67	87						
of which: electricity	2 838	4 237	4 569	4 044	3 301	3 199	3 161	+0.42	-4.02
of which: derived heat		28	49	46	50	50	51		+1.59
<b>Exchanges, transfers and returns</b>	23	28	22	16	- 25	- 3	9		
<b>Consumption of the energy branch</b>	1 194	1 634	1 842	1 863	2 125	2 187	2 063	+2.13	+1.72
<b>Distribution losses</b>	246	380	488	343	357	429	341	+1.26	-0.09
<b>Energy available for final consumption</b>	15 101	19 084	21 391	19 657	16 230	17 151	17 552	+0.58	-1.87
Solid fossil fuels	1 164	874	245	296	204	204	209	-6.39	-5.63
Gas/Diesel Oil (w/o bio)	4 525	5 996	7 136	5 621	3 559	4 023	3 954	-0.52	-5.69
Motor Gasoline (w/o bio)	2 627	3 386	4 204	3 962	2 614	2 551	2 522	-0.16	-7.25
Kerosene Type Jet Fuel	1 279	1 309	1 167	1 108	1 100	1 124	1 196	-0.26	+1.29
Naphtha	12	49	85	117	4	5	3	-4.87	-45.22
LPG	276	448	392	335	499	532	554	+2.72	+8.73
All other oil & petroleum products	1 707	1 857	1 949	1 272	1 413	1 451	1 914	+0.44	+7.05
Natural gas	97	379	712	1 138	1 189	1 340	1 233	+10.29	+1.35
Derived gases	15								
Solid biomass & charcoal	893	945	957	865	969	1 056	896	+0.01	+0.58
Liquid biofuels				128	155	162	170		+4.85
All other renewable energies	59	102	119	201	218	222	224	+5.24	+1.83
Non-renewable wastes						65	28		
Electricity	2 448	3 710	4 377	4 567	4 256	4 367	4 597	+2.45	+0.11
Derived heat		28	49	46	50	50	51		+1.59
<b>Statistical difference</b>	- 280	- 312	- 327	- 448	5	- 51	256		
<b>Final non-energy consumption</b>	700	719	761	1 108	705	700	593	-0.64	-9.90
<b>Final energy consumption</b>	14 681	18 676	20 957	18 997	15 520	16 502	16 703	+0.50	-2.12
Industry	3 995	4 450	4 161	3 471	3 088	3 128	3 073	-1.00	-2.01
Transport	5 893	7 297	8 188	8 158	6 413	6 577	6 788	+0.55	-3.02
Road transport	3 973	5 417	6 299	6 485	4 925	4 976	5 093	+0.96	-3.95
Domestic & International aviation	1 273	1 325	1 181	919	957	991	1 068	-0.67	+2.53
Other sectors	4 793	6 929	8 609	7 367	6 019	6 797	6 842	+1.38	-1.23
Services	652	1 311	1 946	1 952	1 712	1 873	2 035	+4.48	+0.70
Residential	3 058	4 502	5 510	4 615	3 786	4 400	4 287	+1.31	-1.22

Source: Eurostat (nrg\_100a)

Spain, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	33 970	736	141	48	15 125	17 685	235		
+ Primary production receipt									
+ Other sources (recovered products)	179		179	0					
+ Recycled products									
+ Imports	124 069	8 098	85 154	28 194		744		1 878	
+ Stock changes	2 440	1 708	324	267		141			
- Exports	30 843	351	24 666	3 469		1 139		1 219	
- Bunkers	7 461		7 461						
- Direct use	179		179						
<b>Gross inland consumption</b>	<b>122 176</b>	<b>10 192</b>	<b>53 493</b>	<b>25 040</b>	<b>15 125</b>	<b>17 432</b>	<b>235</b>	<b>659</b>	
<b>Transformation input</b>	<b>107 317</b>	<b>10 673</b>	<b>69 031</b>	<b>8 323</b>	<b>15 125</b>	<b>3 936</b>	<b>230</b>		
+ Conventional thermal power stations	24 346	8 708	3 282	8 323		3 804	230		
+ Nuclear power stations	15 125				15 125				
+ District heating plants									
+ Coke ovens	1 434	1 434							
+ Blast furnaces	531	531							
+ Gas works									
+ Refineries	65 750		65 750						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	132					132			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>83 257</b>	<b>1 400</b>	<b>65 731</b>	<b>799</b>		<b>26</b>		<b>15 300</b>	
+ Conventional thermal power stations	10 258							10 258	
+ Nuclear power stations	5 042							5 042	
+ District heating plants									
+ Coke ovens	1 668	1 400		268					
+ Blast furnaces	531			531					
+ Gas works									
+ Refineries	65 731		65 731						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	26					26			
<b>Exchanges, transfers and returns</b>	<b>149</b>		<b>149</b>			<b>- 8 028</b>		<b>8 028</b>	
<b>Consumption of the energy branch</b>	<b>9 924</b>	<b>18</b>	<b>5 183</b>	<b>3 081</b>		<b>0</b>		<b>1 641</b>	
<b>Distribution losses</b>	<b>2 596</b>			<b>299</b>				<b>2 298</b>	
<b>Available for final consumption</b>	<b>85 745</b>	<b>902</b>	<b>45 158</b>	<b>14 137</b>		<b>5 494</b>	<b>6</b>	<b>20 049</b>	
<b>Statistical difference</b>	<b>- 1 693</b>	<b>- 567</b>	<b>- 1 207</b>	<b>17</b>		<b>6</b>		<b>57</b>	
<b>Final non-energy consumption</b>	<b>4 940</b>	<b>54</b>	<b>4 441</b>	<b>445</b>					
<b>Final energy consumption</b>	<b>82 498</b>	<b>1 414</b>	<b>41 924</b>	<b>13 674</b>		<b>5 487</b>	<b>6</b>	<b>19 993</b>	
+ Industry	18 972	1 303	2 826	6 760		1 386		6 698	
+ Iron and Steel	3 222	1 123	72	866		0		1 161	
+ Chemical and Petrochemical	2 696	135	99	1 617		6		839	
+ Non-ferrous metals	1 140	13	57	268		0		802	
+ Non-metallic minerals	3 263	9	1 413	1 124		208		509	
+ Transport eEquipment	457		33	62		0		362	
+ Machinery	947		112	425		1		410	
+ Mining and Quarrying	441		155	133		2		152	
+ Food, Beverages and Tobacco	2 384	24	333	863		207		957	
+ Paper, Pulp and Printing	1 645		81	504		561		499	
+ Wood and Wood products	546		23	105		312		106	
+ Construction	972		380	395		23		174	
+ Textile and Leather	368		34	189		3		143	
+ Not elsewhere specified (Industry)	891		34	210		63		584	
+ Transport	34 966		33 069	345		1 088		463	
+ Rail	303		80					224	
+ Road	27 663		26 238	319		1 083		24	
+ International aviation	4 092		4 092						
+ Domestic aviation	1 940		1 940						
+ Domestic navigation	625		624			1			
+ Pipeline transport									
+ Not elsewhere specified (Transport)	342		95	26		4		216	
+ Other sectors	28 560	111	6 029	6 570		3 013	6	12 831	
+ Commercial and public services	10 625		1 264	3 007		167	6	6 182	
+ Residential	15 063	79	2 756	3 473		2 767		5 989	
+ Agriculture / Forestry	2 404		1 731	84		75		515	
+ Fishing	244		239			4			
+ Not elsewhere specified (Other)	224	32	38	7		1		146	

Source: Eurostat (nrg\_100a)

Spain	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	34 359	31 392	30 005	34 264	34 942	33 440	33 970	-0.04	-0.14
Solid fossil fuels	11 675	7 966	6 265	3 296	1 628	1 246	736	-10.08	-22.11
Crude oil & other hydrocarbons	1 149	228	167	124	304	233	141	-7.75	+2.24
Natural gas	1 273	148	144	45	21	54	48	-11.85	+1.22
Nuclear heat	13 999	16 046	14 842	15 991	14 782	14 782	15 125	+0.30	-0.92
Renewable energies	6 202	6 815	8 398	14 635	18 003	16 873	17 685	+4.11	+3.21
Non-renewable wastes	61	190	189	174	204	252	235	+5.34	+5.14
<b>Net imports</b>	59 170	99 342	123 832	106 337	90 661	94 428	93 226	+1.76	-2.17
Solid fossil fuels	7 073	12 840	14 418	6 979	8 850	10 362	7 748	+0.35	+1.76
Crude oil & other hydrocarbons	53 071	59 023	60 650	56 496	60 467	65 151	63 785	+0.71	+2.04
Petroleum products	- 4 627	11 631	18 630	12 208	- 2 704	- 4 452	- 3 297	-1.30	
Natural gas	3 690	15 467	30 248	30 950	24 503	23 775	24 725	+7.59	-3.67
Renewable energies				421	- 164	- 396	- 395		
<b>Gross inland consumption</b>	90 067	123 642	144 223	130 253	116 681	121 418	122 176	+1.18	-1.06
Solid fossil fuels	19 233	20 938	20 566	8 159	11 486	13 237	10 192	-2.41	+3.78
Crude oil & petroleum products	45 361	63 967	70 457	60 436	49 066	51 999	53 493	+0.64	-2.01
Gas	5 247	15 305	29 886	31 162	23 667	24 538	25 040	+6.19	-3.58
Nuclear heat	13 999	16 046	14 842	15 991	14 782	14 782	15 125	+0.30	-0.92
Renewable energies	6 202	6 815	8 398	15 048	17 768	16 620	17 432	+4.05	+2.48
Non-renewable wastes	61	190	189	174	204	252	235	+5.34	+5.14
<b>Transformation input</b>	88 527	106 417	114 628	102 183	102 129	110 683	107 317	+0.74	+0.82
Conventional thermal power stations	16 786	26 469	35 399	25 291	24 355	27 870	24 346	+1.44	-0.63
Nuclear power stations	13 999	16 046	14 842	15 991	14 782	14 782	15 125	+0.30	-0.92
District heating plants									
Coke-ovens	3 210	2 610	2 581	1 846	1 412	1 416	1 434	-3.05	-4.12
Blast-furnaces	650	459	434	400	491	568	531	-0.77	+4.84
Refineries	53 567	60 673	61 311	58 468	60 957	65 915	65 750	+0.79	+1.98
BKB / PB plants									
<b>Transformation output</b>	67 692	79 385	85 478	78 389	77 927	84 412	83 257	+0.80	+1.01
Conventional thermal power stations	6 148	10 809	16 534	12 324	10 167	11 587	10 258	+1.99	-3.01
Nuclear power stations	4 666	5 349	4 947	5 330	4 927	4 927	5 042	+0.30	-0.92
District heating plants									
Coke-ovens	2 674	2 108	2 266	1 852	1 379	1 404	1 668	-1.80	-1.73
Blast-furnaces	650	459	434	400	491	568	531	-0.77	+4.84
Refineries	53 544	60 660	61 297	58 456	60 936	65 899	65 731	+0.79	+1.97
BKB / PB plants									
of which: electricity	10 810	16 158	21 482	17 654	15 094	16 514	15 300	+1.35	-2.36
of which: derived heat	4								
<b>Exchanges, transfers and returns</b>	- 81	170	- 70	117	330	140	149		
<b>Consumption of the energy branch</b>	4 881	6 102	6 608	8 056	8 887	9 611	9 924	+2.77	+3.54
<b>Distribution losses</b>	1 304	1 886	2 444	2 570	2 480	2 570	2 596	+2.68	+0.17
<b>Energy available for final consumption</b>	62 965	88 792	105 951	95 950	81 441	83 105	85 745	+1.19	-1.86
Solid fossil fuels	3 436	1 241	1 538	1 513	455	495	902	-5.02	-8.26
Gas/Diesel Oil (w/o bio)	14 453	25 188	34 106	29 855	25 626	26 903	27 396	+2.49	-1.42
Motor Gasoline (w/o bio)	8 725	9 122	7 727	5 690	4 587	4 630	4 854	-2.23	-2.62
Kerosene Type Jet Fuel	2 181	4 368	5 287	5 378	5 356	5 616	6 034	+3.99	+1.94
Naphtha	2 720	4 897	2 445	2 237	1 512	1 537	1 291	-2.83	-8.76
LPG	2 812	2 679	2 450	2 003	1 785	2 030	2 679	-0.19	+4.96
All other oil & petroleum products	8 620	9 007	8 597	7 681	2 517	2 839	2 905	-4.10	-14.96
Natural gas	4 324	12 294	18 857	14 828	14 754	13 576	13 907	+4.60	-1.06
Derived gases	952	322	325	298	224	228	229	-5.33	-4.29
Solid biomass & charcoal	3 900	3 337	3 441	3 678	3 761	3 953	4 008	+0.11	+1.44
Liquid biofuels		72	258	1 436	969	982	1 116		-4.11
All other renewable energies	14	62	91	252	379	357	369	+13.47	+6.55
Non-renewable wastes	12					2	6	-2.85	
Electricity	10 817	16 205	20 827	21 100	19 516	19 955	20 049	+2.40	-0.85
Derived heat									
<b>Statistical difference</b>	- 19	- 501	- 165	- 169	- 1 891	- 1 585	- 1 693		
<b>Final non-energy consumption</b>	5 841	9 395	8 349	7 034	4 107	4 310	4 940	-0.64	-5.72
<b>Final energy consumption</b>	57 143	79 897	97 766	89 084	79 225	80 379	82 498	+1.42	-1.27
Industry	20 236	25 380	30 980	21 449	20 006	18 911	18 972	-0.25	-2.02
Transport	22 651	33 230	39 944	37 192	31 989	33 611	34 966	+1.68	-1.02
Road transport	17 980	26 485	31 879	29 796	25 701	26 916	27 663	+1.67	-1.23
Domestic & International aviation	2 467	4 497	5 334	5 397	5 301	5 643	6 032	+3.50	+1.87
Other sectors	14 256	21 287	26 843	30 444	27 231	27 857	28 560	+2.71	-1.06
Services	3 417	6 710	8 415	9 797	8 845	10 018	10 625	+4.46	+1.36
Residential	9 162	12 000	15 132	16 920	14 709	14 876	15 063	+1.93	-1.92

Source: Eurostat (nrg\_100a)



France, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	130 575		1 004	18	104 006	23 896	1 651		
+ Primary production receipt	272		272						
+ Other sources (recovered products)	513		496	17					
+ Recycled products	72		72						
+ Imports	147 345	8 072	95 415	41 234		911		1 711	
+ Stock changes	1 772	560	853	373		- 14			
- Exports	29 590	57	20 715	3 336		202		5 280	
- Bunkers	1 455		1 455						
- Direct use	758		758						
<b>Gross inland consumption</b>	<b>248 746</b>	<b>8 576</b>	<b>75 185</b>	<b>38 306</b>	<b>104 006</b>	<b>24 591</b>	<b>1 651</b>	<b>- 3 568</b>	
<b>Transformation input</b>	<b>183 780</b>	<b>6 283</b>	<b>60 521</b>	<b>7 099</b>	<b>104 006</b>	<b>4 370</b>	<b>1 489</b>	<b>12</b>	
+ Conventional thermal power stations	13 199	1 915	581	6 383		3 236	1 084		
+ Nuclear power stations	104 006				104 006				
+ District heating plants	2 429	152	27	716		1 117	405	12	
+ Coke ovens	3 060	3 060							
+ Blast furnaces	1 156	1 156							
+ Gas works									
+ Refineries	59 913		59 913						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas	17					17			
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>107 805</b>	<b>2 219</b>	<b>59 902</b>	<b>1 732</b>				<b>39 659</b>	<b>4 294</b>
+ Conventional thermal power stations	7 207							4 990	2 217
+ Nuclear power stations	34 669							34 669	
+ District heating plants	2 077								2 077
+ Coke ovens	2 794	2 219		575					
+ Blast furnaces	1 156			1 156					
+ Gas works									
+ Refineries	59 902		59 902						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>- 8</b>		<b>- 8</b>			<b>- 7 748</b>		<b>7 748</b>	
<b>Consumption of the energy branch</b>	<b>6 075</b>		<b>1 855</b>	<b>1 347</b>		<b>37</b>	<b>35</b>	<b>2 747</b>	<b>55</b>
<b>Distribution losses</b>	<b>4 475</b>			<b>442</b>				<b>3 162</b>	<b>870</b>
<b>Available for final consumption</b>	<b>162 213</b>	<b>4 512</b>	<b>72 703</b>	<b>31 149</b>		<b>12 436</b>	<b>127</b>	<b>37 917</b>	<b>3 369</b>
<b>Statistical difference</b>	<b>1 705</b>	<b>594</b>	<b>987</b>	<b>174</b>		<b>70</b>		<b>- 120</b>	
<b>Final non-energy consumption</b>	<b>13 350</b>	<b>313</b>	<b>11 928</b>	<b>1 108</b>					
<b>Final energy consumption</b>	<b>147 159</b>	<b>3 605</b>	<b>59 788</b>	<b>29 867</b>		<b>12 366</b>	<b>127</b>	<b>38 037</b>	<b>3 369</b>
+ Industry	29 374	3 523	2 238	10 609		1 574	1	10 058	1 371
+ Iron and Steel	5 252	2 669	43	1 506		0		1 034	
+ Chemical and Petrochemical	4 401	345	193	2 046		159		1 657	
+ Non-ferrous metals	1 101		10	334				757	
+ Non-metallic minerals	3 337	250	696	1 550		146		695	
+ Transport eEquipment	1 061	7	22	413		7		612	
+ Machinery	1 886	18	110	650		4		1 105	
+ Mining and Quarrying	378		188	43		12		135	
+ Food, Beverages and Tobacco	4 744	217	237	2 381		152		1 757	
+ Paper, Pulp and Printing	2 369	17	52	882		747	0	671	
+ Wood and Wood products	569		24	46		311		189	
+ Construction	1 526		600	332		1	1	591	
+ Textile and Leather	290		18	139		0		133	
+ Not elsewhere specified (Industry)	2 461		45	287		35		723	1 371
+ Transport	49 616		45 591	68		3 030		927	
+ Rail	966		133					832	
+ Road	41 422		38 328	50		3 030		14	
+ International aviation	5 862		5 862						
+ Domestic aviation	809		809						
+ Domestic navigation	459		459						
+ Pipeline transport	79			18				61	
+ Not elsewhere specified (Transport)	20							20	
+ Other sectors	68 168	82	11 959	19 190		7 762	126	27 052	1 998
+ Commercial and public services	23 198	44	2 268	6 912		565	126	12 536	749
+ Residential	39 833	36	5 748	12 062		7 039		13 706	1 241
+ Agriculture / Forestry	4 216	2	3 101	215		150		740	9
+ Fishing	286		260	1		8		17	
+ Not elsewhere specified (Other)	635		581					54	

Source: Eurostat (nrg\_100a)

France	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	110 690	129 283	135 691	134 905	136 638	137 527	130 575	+0.64	-0.54
Solid fossil fuels	7 812	2 086							
Crude oil & other hydrocarbons	3 547	1 934	1 460	1 182	1 062	1 077	1 004	-4.74	-2.68
Natural gas	2 516	1 505	909	646	13	19	18	-17.31	-44.94
Nuclear heat	81 018	107 093	116 474	110 539	112 591	112 836	104 006	+0.97	-1.01
Renewable energies	15 224	15 737	15 790	21 070	21 453	21 951	23 896	+1.75	+2.12
Non-renewable wastes	573	929	1 058	1 468	1 519	1 644	1 651	+4.15	+1.98
<b>Net imports</b>	120 547	133 926	143 808	131 671	115 045	116 424	117 755	-0.09	-1.84
Solid fossil fuels	12 818	12 849	13 362	12 084	9 207	8 680	8 016	-1.79	-6.61
Crude oil & other hydrocarbons	76 616	85 329	85 160	64 890	54 785	58 157	55 998	-1.20	-2.43
Petroleum products	10 649	5 936	9 807	17 629	22 608	20 143	18 702	+2.19	+0.99
Natural gas	24 371	35 778	40 720	39 553	33 841	34 517	37 898	+1.71	-0.71
Renewable energies		7	- 54	156	382	436	709		+28.76
<b>Gross inland consumption</b>	227 626	257 386	276 295	267 182	248 821	253 083	248 746	+0.34	-1.18
Solid fossil fuels	20 035	14 891	14 154	11 969	9 336	8 815	8 576	-3.21	-5.40
Crude oil & petroleum products	88 651	88 937	93 035	82 004	76 754	77 895	75 185	-0.63	-1.44
Gas	26 032	35 766	41 025	42 618	32 598	35 047	38 306	+1.50	-1.76
Nuclear heat	81 018	107 093	116 474	110 539	112 591	112 836	104 006	+0.97	-1.01
Renewable energies	15 224	15 744	15 736	21 226	21 799	22 354	24 591	+1.86	+2.48
Non-renewable wastes	573	929	1 058	1 468	1 519	1 644	1 651	+4.15	+1.98
<b>Transformation input</b>	182 159	217 942	228 311	206 400	187 483	191 280	183 780	+0.03	-1.92
Conventional thermal power stations	10 995	13 294	17 387	16 775	9 540	11 108	13 199	+0.71	-3.92
Nuclear power stations	81 018	107 093	116 474	110 539	112 591	112 836	104 006	+0.97	-1.01
District heating plants	1 019	312	447	2 343	2 115	2 299	2 429	+3.40	+0.60
Coke-ovens	6 827	4 659	4 221	3 049	3 169	3 146	3 060	-3.04	+0.06
Blast-furnaces	1 794	1 682	1 513	1 246	1 293	1 201	1 156	-1.67	-1.24
Refineries	80 261	90 823	88 249	72 447	58 772	60 684	59 913	-1.12	-3.12
BKB / PB plants									
<b>Transformation output</b>	120 444	140 678	142 408	122 640	107 077	110 064	107 805	-0.43	-2.13
Conventional thermal power stations	4 192	7 654	9 781	7 452	4 851	5 770	7 207	+2.11	-0.56
Nuclear power stations	27 006	35 698	38 824	36 846	37 530	37 612	34 669	+0.97	-1.01
District heating plants	478	148	216	1 938	1 769	1 938	2 077	+5.82	+1.16
Coke-ovens	6 338	4 611	3 840	2 725	2 873	2 870	2 794	-3.10	+0.42
Blast-furnaces	1 794	1 682	1 513	1 246	1 293	1 201	1 156	-1.67	-1.24
Refineries	80 249	90 800	88 211	72 432	58 760	60 673	59 902	-1.12	-3.12
BKB / PB plants									
<i>of which: electricity</i>	31 198	40 263	44 564	42 195	40 575	41 438	39 659	+0.93	-1.03
<i>of which: derived heat</i>	478	3 236	4 258	4 042	3 576	3 882	4 294	+8.81	+1.01
<b>Exchanges, transfers and returns</b>	- 34	- 119	- 44	167	18	- 26	- 8		
<b>Consumption of the energy branch</b>	9 365	10 822	9 801	9 635	6 283	6 140	6 075	-1.65	-7.40
<b>Distribution losses</b>	2 536	2 956	3 459	4 351	4 004	4 326	4 475	+2.21	+0.47
<b>Energy available for final consumption</b>	153 975	166 225	177 088	169 602	158 146	161 375	162 213	+0.20	-0.74
Solid fossil fuels	8 905	5 634	5 242	5 172	4 727	4 297	4 512	-2.58	-2.25
Gas/Diesel Oil (w/o bio)	35 574	42 070	49 702	45 075	45 425	46 319	44 284	+0.85	-0.29
Motor Gasoline (w/o bio)	20 099	15 704	10 168	8 730	8 047	8 268	8 153	-3.41	-1.13
Kerosene Type Jet Fuel	5 194	6 903	7 361	7 270	6 628	7 003	6 912	+1.11	-0.84
Naphtha	5 471	5 171	6 054	4 271	4 006	3 993	2 888	-2.43	-6.31
LPG	3 741	3 153	3 532	3 898	3 992	3 848	3 428	-0.34	-2.12
All other oil & petroleum products	11 879	8 961	9 524	7 440	6 013	5 864	7 039	-1.99	-0.92
Natural gas	25 288	32 121	34 723	34 002	27 872	28 850	30 193	+0.68	-1.96
Derived gases	1 578	1 114	939	786	854	942	957	-1.91	+3.33
Solid biomass & charcoal	9 607	8 266	8 442	8 929	7 717	8 214	8 902	-0.29	-0.05
Liquid biofuels		332	591	2 423	2 919	2 962	3 100		+4.19
All other renewable energies	190	380	161	246	386	403	434	+3.23	+9.96
Non-renewable wastes		152	63	99	129	129	127		+4.27
Electricity	25 971	33 029	36 328	38 166	36 556	37 278	37 917	+1.47	-0.11
Derived heat	478	3 236	4 258	3 095	2 876	3 004	3 369	+7.80	+1.42
<b>Statistical difference</b>	4 459	- 5 265	205	1 221	2 441	2 251	1 705		
<b>Final non-energy consumption</b>	13 363	16 176	16 115	13 952	14 367	13 866	13 350	-0.00	-0.73
<b>Final energy consumption</b>	136 153	155 314	160 767	154 429	141 337	145 258	147 159	+0.30	-0.80
Industry	35 630	37 346	36 740	31 599	28 872	29 509	29 374	-0.74	-1.21
Transport	42 074	50 408	50 224	49 057	49 005	49 705	49 616	+0.64	+0.19
<i>Road transport</i>	36 956	42 626	42 387	41 210	41 012	41 407	41 422	+0.44	+0.09
<i>Domestic &amp; International aviation</i>	3 870	6 116	6 292	6 315	6 430	6 739	6 671	+2.12	+0.92
Other sectors	58 448	67 561	73 803	73 773	63 459	66 044	68 168	+0.59	-1.31
<i>Services</i>	18 894	18 633	20 940	23 954	22 131	22 742	23 198	+0.79	-0.53
<i>Residential</i>	35 124	40 515	42 923	44 329	36 107	38 088	39 833	+0.49	-1.77

Source: Eurostat (nrg\_100a)

Croatia, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	4 409		748	1 369		2 282	10		
+ Primary production receipt									
+ Other sources (recovered products)	86		86						
+ Recycled products									
+ Imports	7 447	664	4 638	1 051		29		1 066	
+ Stock changes	- 12	- 13	- 77	74		4			
- Exports	3 341		2 115	324		312		590	
- Bunkers	5		5						
- Direct use									
<b>Gross inland consumption</b>	<b>8 585</b>	<b>650</b>	<b>3 276</b>	<b>2 171</b>		<b>2 002</b>	<b>10</b>	<b>476</b>	
<b>Transformation input</b>	<b>5 113</b>	<b>584</b>	<b>3 796</b>	<b>584</b>		<b>149</b>			
+ Conventional thermal power stations	1 158	584	1	439		134			
+ Nuclear power stations									
+ District heating plants	67		8	59		0			
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	3 788		3 788						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	15					15			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	86			86					
<b>Transformation output</b>	<b>4 467</b>		<b>3 786</b>			<b>6</b>		<b>403</b>	<b>273</b>
+ Conventional thermal power stations	620							403	217
+ Nuclear power stations									
+ District heating plants	55								55
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	3 786		3 786						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	6					6			
<b>Exchanges, transfers and returns</b>	<b>1</b>		<b>1</b>			<b>- 682</b>		<b>682</b>	
<b>Consumption of the energy branch</b>	<b>565</b>		<b>310</b>	<b>150</b>		<b>1</b>		<b>89</b>	<b>15</b>
<b>Distribution losses</b>	<b>220</b>			<b>28</b>		<b>1</b>		<b>155</b>	<b>36</b>
<b>Available for final consumption</b>	<b>7 155</b>	<b>66</b>	<b>2 956</b>	<b>1 410</b>		<b>1 176</b>	<b>10</b>	<b>1 316</b>	<b>222</b>
<b>Statistical difference</b>	<b>- 0</b>	<b>0</b>						<b>- 0</b>	
<b>Final non-energy consumption</b>	<b>516</b>		<b>137</b>	<b>379</b>					
<b>Final energy consumption</b>	<b>6 639</b>	<b>66</b>	<b>2 818</b>	<b>1 031</b>		<b>1 176</b>	<b>10</b>	<b>1 316</b>	<b>222</b>
+ Industry	1 087	64	281	357		19	10	295	61
+ Iron and Steel	6			2				4	
+ Chemical and Petrochemical	151		4	105				26	16
+ Non-ferrous metals	7		2	2		0		3	
+ Non-metallic minerals	317	48	137	72		1	10	49	
+ Transport eEquipment	12		2	2		0		8	
+ Machinery	74		5	19		0		40	9
+ Mining and Quarrying	14		10					4	
+ Food, Beverages and Tobacco	208	16	21	96		2		61	12
+ Paper, Pulp and Printing	76		7	41		0		27	1
+ Wood and Wood products	54			1		9		24	21
+ Construction	97		90					7	
+ Textile and Leather	26		2	10		0		13	1
+ Not elsewhere specified (Industry)	44		1	7		7		28	1
+ Transport	2 163		2 137	4		1		22	
+ Rail	37		18					19	
+ Road	1 946		1 941	4		1			
+ International aviation	124		124						
+ Domestic aviation	11		11						
+ Domestic navigation	43		43						
+ Pipeline transport	3							3	
+ Not elsewhere specified (Transport)									
+ Other sectors	3 389	3	400	670		1 155		999	162
+ Commercial and public services	763		61	181		15		467	38
+ Residential	2 393	3	142	466		1 136		527	119
+ Agriculture / Forestry	206		169	23		4		5	5
+ Fishing	28		28						
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Croatia	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	5 674	4 258	4 753	5 148	4 350	4 391	4 409	-0.97	-2.55
Solid fossil fuels	101								
Crude oil & other hydrocarbons	2 736	1 345	1 029	759	607	685	748	-4.86	-0.23
Natural gas	1 619	1 355	1 865	2 215	1 444	1 471	1 369	-0.64	-7.70
Nuclear heat									
Renewable energies	1 218	1 557	1 855	2 167	2 289	2 226	2 282	+2.44	+0.86
Non-renewable wastes		1	4	8	10	9	10		+4.90
<b>Net imports</b>	3 814	4 084	5 147	4 393	3 592	4 120	4 106	+0.28	-1.12
Solid fossil fuels	620	478	624	699	597	624	664	+0.26	-0.87
Crude oil & other hydrocarbons	4 363	3 952	4 333	3 647	2 385	2 787	3 001	-1.43	-3.20
Petroleum products	- 2 320	- 1 546	- 751	- 667	- 33	- 169	- 477	-5.90	-5.42
Natural gas	575	905	562	475	577	564	728	+0.91	+7.35
Renewable energies				- 103	- 275	- 270	- 284		+18.38
<b>Gross inland consumption</b>	9 534	8 422	9 782	9 427	8 193	8 524	8 585	-0.40	-1.55
Solid fossil fuels	817	431	683	683	646	605	650	-0.87	-0.80
Crude oil & petroleum products	4 729	3 929	4 490	3 699	3 172	3 283	3 276	-1.40	-2.00
Gas	2 195	2 209	2 370	2 632	2 019	2 082	2 171	-0.04	-3.16
Nuclear heat									
Renewable energies	1 218	1 557	1 855	2 065	2 005	1 960	2 002	+1.93	-0.51
Non-renewable wastes		1	4	8	10	9	10		+4.90
<b>Transformation input</b>	8 873	6 643	6 806	5 683	4 144	4 597	5 113	-2.10	-1.74
Conventional thermal power stations	1 345	1 248	1 479	1 261	964	1 026	1 158	-0.58	-1.41
Nuclear power stations									
District heating plants	78	83	104	97	65	68	67	-0.59	-6.04
Coke-ovens	523								
Blast-furnaces	36								
Refineries	6 860	5 299	5 210	4 304	3 031	3 417	3 788	-2.26	-2.11
BKB / PB plants									
<b>Transformation output</b>	8 154	5 995	6 056	5 085	3 593	4 031	4 467	-2.29	-2.13
Conventional thermal power stations	706	623	752	700	506	554	620	-0.50	-2.02
Nuclear power stations									
District heating plants	63	65	83	74	50	54	55	-0.51	-4.70
Coke-ovens	469								
Blast-furnaces	36								
Refineries	6 858	5 298	5 209	4 304	3 030	3 416	3 786	-2.26	-2.11
BKB / PB plants									
<i>of which: electricity</i>	425	414	517	476	315	343	403	-0.21	-2.74
<i>of which: derived heat</i>	344	274	318	299	242	265	273	-0.89	-1.51
<b>Exchanges, transfers and returns</b>		0	0	1	1	1	1		
<b>Consumption of the energy branch</b>	1 415	846	846	761	652	622	565	-3.47	-4.86
<b>Distribution losses</b>	214	273	274	260	212	220	220	+0.09	-2.77
<b>Energy available for final consumption</b>	7 187	6 656	7 912	7 809	6 778	7 115	7 155	-0.02	-1.45
Solid fossil fuels	472	74	146	151	102	81	66	-7.27	-12.76
Gas/Diesel Oil (w/o bio)	1 228	1 359	1 796	1 755	1 615	1 737	1 791	+1.46	+0.35
Motor Gasoline (w/o bio)	814	835	755	692	568	567	569	-1.37	-3.22
Kerosene Type Jet Fuel	168	76	98	108	130	127	134	-0.85	+3.69
Naphtha	83								
LPG	125	100	130	183	156	157	162	+1.00	-1.93
All other oil & petroleum products	703	523	614	351	274	278	299	-3.24	-2.66
Natural gas	1 237	1 447	1 616	1 693	1 352	1 387	1 410	+0.50	-3.00
Derived gases	59	8	11	4	1	0			
Solid biomass & charcoal	861	1 001	1 243	1 241	1 056	1 197	1 154	+1.13	-1.20
Liquid biofuels				3	30	24	1		-18.18
All other renewable energies		1	2	12	17	19	21		+9.41
Non-renewable wastes		1	4	8	10	9	10		+4.90
Electricity	1 144	1 017	1 240	1 364	1 275	1 319	1 316	+0.54	-0.60
Derived heat	292	213	257	245	193	212	222	-1.04	-1.63
<b>Statistical difference</b>	1	- 0		1	- 0	- 0	- 0		
<b>Final non-energy consumption</b>	702	656	675	596	540	530	516	-1.17	-2.37
<b>Final energy consumption</b>	6 484	6 000	7 237	7 212	6 238	6 585	6 639	+0.09	-1.37
Industry	2 235	1 378	1 563	1 366	1 097	1 090	1 087	-2.73	-3.74
Transport	1 406	1 547	1 923	2 070	2 015	2 107	2 163	+1.67	+0.74
<i>Road transport</i>	1 086	1 369	1 738	1 871	1 799	1 899	1 946	+2.27	+0.65
<i>Domestic &amp; International aviation</i>	168	76	99	109	131	127	134	-0.85	+3.52
Other sectors	2 844	3 076	3 750	3 777	3 126	3 388	3 389	+0.68	-1.79
<i>Services</i>	436	492	693	776	676	743	763	+2.17	-0.29
<i>Residential</i>	1 977	2 294	2 815	2 756	2 216	2 415	2 393	+0.74	-2.32

Source: Eurostat (nrg\_100a)

Italy, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	33 797		4 056	4 738		23 820	1 183		
+ Primary production receipt									
+ Other sources (recovered products)	1		1						
+ Recycled products									
+ Imports	152 789	10 967	82 213	53 468		2 428		3 713	
+ Stock changes	1 457	273	1 139	48		- 3			
- Exports	31 082	255	29 897	174		228		529	
- Bunkers	2 213		2 213						
- Direct use	1		1						
<b>Gross inland consumption</b>	<b>154 748</b>	<b>10 985</b>	<b>55 298</b>	<b>58 080</b>		<b>26 018</b>	<b>1 183</b>	<b>3 184</b>	
<b>Transformation input</b>	<b>122 586</b>	<b>10 396</b>	<b>76 869</b>	<b>23 502</b>		<b>10 913</b>	<b>907</b>		
+ Conventional thermal power stations	47 444	7 960	4 315	23 502		10 760	907		
+ Nuclear power stations									
+ District heating plants	137					137			
+ Coke ovens	1 741	1 741							
+ Blast furnaces	695	695							
+ Gas works									
+ Refineries	72 554		72 554						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	15					15			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>97 830</b>	<b>1 244</b>	<b>72 538</b>	<b>1 006</b>		<b>7</b>		<b>17 689</b>	<b>5 347</b>
+ Conventional thermal power stations	22 938							17 689	5 249
+ Nuclear power stations									
+ District heating plants	98								98
+ Coke ovens	1 554	1 244		310					
+ Blast furnaces	695			695					
+ Gas works									
+ Refineries	72 538		72 538						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	7					7			
<b>Exchanges, transfers and returns</b>	<b>- 57</b>		<b>- 57</b>			<b>- 7 070</b>		<b>7 070</b>	
<b>Consumption of the energy branch</b>	<b>6 892</b>		<b>2 601</b>	<b>1 182</b>				<b>1 736</b>	<b>1 373</b>
<b>Distribution losses</b>	<b>1 913</b>			<b>276</b>				<b>1 612</b>	<b>24</b>
<b>Available for final consumption</b>	<b>121 130</b>	<b>1 833</b>	<b>48 309</b>	<b>34 124</b>		<b>8 043</b>	<b>276</b>	<b>24 594</b>	<b>3 950</b>
<b>Statistical difference</b>	<b>- 1 107</b>		<b>- 1 107</b>			<b>0</b>		<b>0</b>	
<b>Final non-energy consumption</b>	<b>6 306</b>	<b>65</b>	<b>5 589</b>	<b>653</b>					
<b>Final energy consumption</b>	<b>115 931</b>	<b>1 768</b>	<b>43 827</b>	<b>33 472</b>		<b>8 043</b>	<b>276</b>	<b>24 594</b>	<b>3 950</b>
+ Industry	26 169	1 768	2 661	8 597		393	276	9 738	2 736
+ Iron and Steel	4 759	1 483	90	1 427				1 570	188
+ Chemical and Petrochemical	3 506		393	957		8	78	1 196	875
+ Non-ferrous metals	655		52	390				213	0
+ Non-metallic minerals	4 622	225	1 317	1 902		129	155	759	134
+ Transport eEquipment	419							310	109
+ Machinery	3 409		295	1 348		2	3	1 731	30
+ Mining and Quarrying	122		34	34				52	1
+ Food, Beverages and Tobacco	2 824		264	1 114		50		1 046	351
+ Paper, Pulp and Printing	2 314		72	624		0		744	874
+ Wood and Wood products	463			31		144	0	255	33
+ Construction	355		20	217		1		116	0
+ Textile and Leather	1 099		89	531		0		443	36
+ Not elsewhere specified (Industry)	1 622	59	35	21		59	41	1 302	105
+ Transport	39 110		36 004	1 106		1 041		960	
+ Rail	484		15					468	
+ Road	32 964		31 024	894		1 041		6	
+ International aviation	3 296		3 296						
+ Domestic aviation	710		710						
+ Domestic navigation	959		959						
+ Pipeline transport	246			212				34	
+ Not elsewhere specified (Transport)	452							452	
+ Other sectors	50 651		5 162	23 769		6 609		13 896	1 214
+ Commercial and public services	15 440		560	6 542		205		7 888	245
+ Residential	32 185		2 290	17 097		6 322		5 529	947
+ Agriculture / Forestry	2 650		2 002	130		51		457	11
+ Fishing	221		167			32		22	
+ Not elsewhere specified (Other)	155		144						11

Source: Eurostat (nrg\_100a)

Italy	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	25 628	28 153	30 250	33 008	36 809	36 134	33 797	+1.07	+0.39
Solid fossil fuels	275	4	60	64	55	51			
Crude oil & other hydrocarbons	4 778	4 672	6 302	5 624	6 098	5 824	4 056	-0.63	-5.30
Natural gas	14 030	13 622	9 886	6 885	5 855	5 545	4 738	-4.09	-6.04
Nuclear heat									
Renewable energies	6 381	9 597	13 328	19 395	23 644	23 564	23 820	+5.20	+3.49
Non-renewable wastes	164	259	673	1 041	1 158	1 149	1 183	+7.89	+2.16
<b>Net imports</b>	132 207	152 069	160 365	149 460	116 122	121 831	121 707	-0.32	-3.37
Solid fossil fuels	13 745	13 133	16 367	13 791	12 897	12 324	10 712	-0.95	-4.12
Crude oil & other hydrocarbons	84 463	89 451	94 306	84 833	59 643	67 946	65 911	-0.95	-4.12
Petroleum products	5 617	-1 852	-15 153	-17 056	-8 499	-15 115	-13 595		-3.71
Natural gas	25 311	47 008	59 840	61 600	45 471	49 996	53 294	+2.91	-2.38
Renewable energies	92	516	778	2 494	2 850	2 692	2 200	+13.00	-2.07
<b>Gross inland consumption</b>	153 511	174 219	190 081	177 925	151 027	156 169	154 748	+0.03	-2.30
Solid fossil fuels	14 630	12 550	16 461	13 660	13 067	12 301	10 985	-1.10	-3.57
Crude oil & petroleum products	90 069	89 540	83 963	69 506	55 825	57 160	55 298	-1.86	-3.74
Gas	39 196	57 945	70 651	68 057	50 706	55 301	58 080	+1.52	-2.61
Nuclear heat									
Renewable energies	6 472	10 113	14 107	21 864	26 512	26 269	26 018	+5.50	+2.94
Non-renewable wastes	164	259	673	1 041	1 158	1 149	1 183	+7.89	+2.16
<b>Transformation input</b>	139 915	150 890	165 684	149 467	114 375	124 221	122 586	-0.51	-3.25
Conventional thermal power stations	40 312	49 150	58 911	53 515	44 089	46 778	47 444	+0.63	-1.99
Nuclear power stations									
District heating plants				110	120	128	137		+3.86
Coke-ovens	6 373	4 724	3 745	3 639	1 690	1 593	1 741	-4.87	-11.57
Blast-furnaces	1 367	980	1 029	770	745	546	695	-2.57	-1.68
Refineries	91 564	95 900	101 959	91 420	67 717	75 162	72 554	-0.89	-3.78
BKB / PB plants									
<b>Transformation output</b>	113 938	119 804	133 232	120 575	90 537	99 363	97 830	-0.58	-3.42
Conventional thermal power stations	15 607	19 360	26 829	25 183	20 492	22 138	22 938	+1.49	-1.54
Nuclear power stations									
District heating plants				68	84	89	98		+6.27
Coke-ovens	5 378	3 544	3 418	3 144	1 503	1 439	1 554	-4.66	-11.08
Blast-furnaces	1 367	980	1 029	770	745	546	695	-2.57	-1.68
Refineries	91 554	95 862	101 935	91 404	67 705	75 144	72 538	-0.89	-3.78
BKB / PB plants									
of which: electricity	15 607	19 360	22 218	20 346	15 657	17 045	17 689	+0.48	-2.31
of which: derived heat			4 611	4 904	4 919	5 182	5 347		+1.45
<b>Exchanges, transfers and returns</b>	- 302	- 105	- 80	- 66	- 64	- 46	- 57		
<b>Consumption of the energy branch</b>	7 197	7 206	10 052	9 539	6 767	7 559	6 892	-0.17	-5.27
<b>Distribution losses</b>	1 832	2 079	2 264	2 255	1 963	1 980	1 913	+0.17	-2.71
<b>Energy available for final consumption</b>	118 202	133 742	145 232	137 173	118 394	121 726	121 130	+0.09	-2.05
Solid fossil fuels	4 153	3 797	4 143	2 976	2 070	1 507	1 833	-3.10	-7.76
Gas/Diesel Oil (w/o bio)	27 058	26 732	31 609	28 693	26 833	26 151	25 871	-0.17	-1.71
Motor Gasoline (w/o bio)	14 782	17 722	14 646	10 604	9 232	8 167	7 759	-2.45	-5.07
Kerosene Type Jet Fuel	2 299	3 676	3 883	4 014	3 832	3 989	4 164	+2.31	+0.61
Naphtha	3 701	2 660	2 859	3 196	2 455	2 127	2 436	-1.60	-4.42
LPG	3 617	4 307	3 855	3 684	3 465	3 569	3 525	-0.10	-0.73
All other oil & petroleum products	11 644	10 415	9 076	6 577	3 137	5 247	4 556	-3.54	-5.94
Natural gas	30 345	38 588	41 583	39 065	31 412	33 556	33 890	+0.43	-2.34
Derived gases	1 080	410	19		280	209	235	-5.70	
Solid biomass & charcoal	724	1 516	4 126	7 393	6 053	6 850	6 633	+8.89	-1.79
Liquid biofuels			177	1 420	1 065	1 167	1 041		-5.04
All other renewable energies	205	305	240	261	335	349	369	+2.28	+5.96
Non-renewable wastes	139	143	62	223	272	269	276	+2.68	+3.67
Electricity	18 455	23 472	25 871	25 736	24 204	24 719	24 594	+1.11	-0.75
Derived heat			3 082	3 332	3 747	3 851	3 950		+2.88
<b>Statistical difference</b>	144	593	- 528	- 846	- 2 112	- 1 110	- 1 107		
<b>Final non-energy consumption</b>	10 348	8 429	8 608	9 560	7 188	6 605	6 306	-1.89	-6.70
<b>Final energy consumption</b>	107 711	124 720	137 153	128 459	113 319	116 231	115 931	+0.28	-1.70
Industry	35 766	39 738	39 858	31 253	26 133	25 810	26 169	-1.19	-2.92
Transport	34 224	42 519	44 836	41 734	40 085	39 541	39 110	+0.51	-1.08
Road transport	30 933	36 881	38 783	35 747	34 273	33 609	32 964	+0.24	-1.34
Domestic & International aviation	1 884	3 497	3 715	3 883	3 722	3 864	4 005	+2.94	+0.52
Other sectors	37 721	42 463	52 459	55 472	47 100	50 880	50 651	+1.14	-1.50
Services	8 174	11 542	15 053	16 979	14 667	15 391	15 440	+2.48	-1.57
Residential	26 060	27 590	33 922	35 393	29 546	32 494	32 185	+0.82	-1.57

Source: Eurostat (nrg\_100a)

Cyprus, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	129					124	5		
+ Primary production receipt									
+ Other sources (recovered products)									
+ Recycled products	5		5						
+ Imports	2 637		2 590			32	15		
+ Stock changes	- 29		- 22			- 3	- 4		
- Exports	17		17			0			
- Bunkers	282		282						
- Direct use									
<b>Gross inland consumption</b>	<b>2 442</b>		<b>2 274</b>			<b>153</b>	<b>16</b>		
<b>Transformation input</b>	<b>1 011</b>		<b>999</b>			<b>11</b>			
+ Conventional thermal power stations	1 007		999			7			
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	4					4			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>391</b>					<b>1</b>		<b>388</b>	<b>1</b>
+ Conventional thermal power stations	389							388	1
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	1					1			
<b>Exchanges, transfers and returns</b>						<b>- 32</b>		<b>32</b>	
<b>Consumption of the energy branch</b>	<b>19</b>							<b>19</b>	
<b>Distribution losses</b>	<b>23</b>							<b>23</b>	
<b>Available for final consumption</b>	<b>1 781</b>		<b>1 274</b>			<b>111</b>	<b>16</b>	<b>378</b>	<b>1</b>
<b>Statistical difference</b>	<b>- 17</b>		<b>- 17</b>			<b>0</b>			
<b>Final non-energy consumption</b>	<b>39</b>		<b>39</b>						
<b>Final energy consumption</b>	<b>1 758</b>		<b>1 252</b>			<b>111</b>	<b>16</b>	<b>378</b>	<b>1</b>
+ Industry	213		143			13	16	42	
+ Iron and Steel	0							0	
+ Chemical and Petrochemical	6		2			1		4	
+ Non-ferrous metals	2		2						
+ Non-metallic minerals	148		108			12	16	13	
+ Transport eEquipment	0							0	
+ Machinery	2							2	
+ Mining and Quarrying	5		2					2	
+ Food, Beverages and Tobacco	32		16			1		15	
+ Paper, Pulp and Printing	2		1					1	
+ Wood and Wood products	1							1	
+ Construction	10		10					0	
+ Textile and Leather	0							0	
+ Not elsewhere specified (Industry)	5		2					3	
+ Transport	931		922			9			
+ Rail									
+ Road	654		645			9			
+ International aviation	277		277						
+ Domestic aviation									
+ Domestic navigation									
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	614		187			89		336	1
+ Commercial and public services	225		32			16		178	
+ Residential	326		121			69		136	
+ Agriculture / Forestry	43		24			4		14	1
+ Fishing	2		2					0	
+ Not elsewhere specified (Other)	16		8					8	

Source: Eurostat (nrg\_100a)

Cyprus	ktoe								average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16	
<b>Primary production</b>	6	44	51	89	118	121	129	+12.42	+6.41	
Solid fossil fuels										
Crude oil & other hydrocarbons										
Natural gas										
Nuclear heat										
Renewable energies	6	44	48	82	111	118	124	+12.26	+7.23	
Non-renewable wastes			3	7	7	3	5		-6.56	
<b>Net imports</b>	1 639	2 565	2 843	2 944	2 291	2 452	2 620	+1.82	-1.93	
Solid fossil fuels	64	33	43	11	3	4				
Crude oil & other hydrocarbons	627	1 160								
Petroleum products	948	1 371	2 794	2 910	2 266	2 415	2 573	+3.91	-2.03	
Natural gas										
Renewable energies		1	6	24	21	27	31		+4.92	
<b>Gross inland consumption</b>	1 610	2 413	2 539	2 740	2 229	2 272	2 442	+1.61	-1.90	
Solid fossil fuels	64	33	36	17	2	4				
Crude oil & petroleum products	1 540	2 334	2 446	2 611	2 087	2 110	2 274	+1.51	-2.28	
Gas										
Nuclear heat										
Renewable energies	6	46	54	105	132	147	153	+13.16	+6.45	
Non-renewable wastes			3	7	8	12	16		+14.19	
<b>Transformation input</b>	1 157	2 065	1 081	1 183	898	923	1 011	-0.52	-2.59	
Conventional thermal power stations	516	881	1 077	1 182	896	920	1 007	+2.61	-2.63	
Nuclear power stations										
District heating plants										
Coke-ovens										
Blast-furnaces										
Refineries	639	1 178								
BKB / PB plants										
<b>Transformation output</b>	809	1 470	378	455	353	362	391	-2.76	-2.51	
Conventional thermal power stations	170	290	376	454	352	361	389	+3.25	-2.54	
Nuclear power stations										
District heating plants										
Coke-ovens										
Blast-furnaces										
Refineries	639	1 178								
BKB / PB plants										
<i>of which: electricity</i>	170	290	376	454	351	360	388	+3.23	-2.59	
<i>of which: derived heat</i>				0	1	1	1		+46.78	
<b>Exchanges, transfers and returns</b>										
<b>Consumption of the energy branch</b>	38	54	22	20	20	20	19	-2.56	-0.29	
<b>Distribution losses</b>	10	16	14	19	15	18	23	+3.37	+3.02	
<b>Energy available for final consumption</b>	1 215	1 747	1 799	1 973	1 649	1 673	1 781	+1.48	-1.70	
Solid fossil fuels	64	33	36	17	2	4				
Gas/Diesel Oil (w/o bio)	333	546	517	447	346	367	389	+0.60	-2.29	
Motor Gasoline (w/o bio)	172	224	346	416	360	368	372	+3.01	-1.82	
Kerosene Type Jet Fuel	314	297	318	283	237	246	277	-0.48	-0.38	
Naphtha										
LPG	55	50	58	55	54	61	60	+0.30	+1.31	
All other oil & petroleum products	118	297	131	232	199	154	176	+1.56	-4.44	
Natural gas										
Derived gases										
Solid biomass & charcoal	4	6	9	19	16	17	17	+5.59	-1.45	
Liquid biofuels				15	10	10	9		-7.99	
All other renewable energies		35	41	64	77	81	85		+4.83	
Non-renewable wastes			3	7	8	12	16		+14.19	
Electricity	154	258	340	419	341	352	378	+3.52	-1.69	
Derived heat				0	1	1	1		+46.78	
<b>Statistical difference</b>	82	12	- 107	- 38	9	- 10	- 17			
<b>Final non-energy consumption</b>	32	86	73	85	24	24	39	+0.84	-12.12	
<b>Final energy consumption</b>	1 101	1 649	1 833	1 926	1 616	1 660	1 758	+1.82	-1.51	
Industry	267	444	320	235	224	209	213	-0.86	-1.59	
Transport	637	860	982	1 050	843	867	931	+1.47	-1.98	
<i>Road transport</i>	388	577	676	765	600	622	654	+2.03	-2.59	
<i>Domestic &amp; International aviation</i>	249	282	307	284	243	245	277	+0.42	-0.44	
Other sectors	197	345	531	641	550	583	614	+4.46	-0.72	
<i>Services</i>	53	108	161	248	201	207	225	+5.76	-1.60	
<i>Residential</i>	107	176	317	332	290	317	326	+4.40	-0.31	

Source: Eurostat (nrg\_100a)



Latvia, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	2 447	1				2 437	9		
+ Primary production receipt									
+ Other sources (recovered products)									
+ Recycled products	12		12						
+ Imports	4 338	38	2 794	923		143	25	415	
+ Stock changes	21	5	- 176	184		5	3		
- Exports	2 121	3	829			962		326	
- Bunkers	313		313						
- Direct use									
<b>Gross inland consumption</b>	<b>4 385</b>	<b>41</b>	<b>1 488</b>	<b>1 107</b>		<b>1 623</b>	<b>37</b>	<b>89</b>	
<b>Transformation input</b>	<b>1 286</b>	<b>5</b>		<b>769</b>		<b>512</b>		<b>0</b>	
+ Conventional thermal power stations	1 041	3		709		329			
+ Nuclear power stations									
+ District heating plants	228	2		60		166		0	
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	17					17			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>1 024</b>					<b>9</b>		<b>324</b>	<b>692</b>
+ Conventional thermal power stations	842							324	518
+ Nuclear power stations									
+ District heating plants	174								174
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	9					9			
<b>Exchanges, transfers and returns</b>						<b>- 229</b>		<b>229</b>	
<b>Consumption of the energy branch</b>	<b>90</b>		<b>6</b>	<b>12</b>				<b>43</b>	<b>29</b>
<b>Distribution losses</b>	<b>127</b>			<b>4</b>				<b>41</b>	<b>82</b>
<b>Available for final consumption</b>	<b>3 906</b>	<b>36</b>	<b>1 482</b>	<b>321</b>		<b>891</b>	<b>37</b>	<b>557</b>	<b>581</b>
<b>Statistical difference</b>	<b>- 11</b>		<b>- 11</b>			<b>- 1</b>		<b>0</b>	
<b>Final non-energy consumption</b>	<b>97</b>		<b>97</b>						
<b>Final energy consumption</b>	<b>3 820</b>	<b>36</b>	<b>1 396</b>	<b>321</b>		<b>892</b>	<b>37</b>	<b>557</b>	<b>581</b>
+ Industry	749	18	52	108		331	37	143	60
+ Iron and Steel	2			1				1	0
+ Chemical and Petrochemical	23		3	9		5		5	1
+ Non-ferrous metals	1			1					
+ Non-metallic minerals	110	16	9	28		1	37	19	0
+ Transport eEquipment	7			1		0		4	2
+ Machinery	17	1		5		3		8	0
+ Mining and Quarrying	6	1	3	1		0		1	0
+ Food, Beverages and Tobacco	79	1	8	33		9		24	4
+ Paper, Pulp and Printing	5			2		0		2	0
+ Wood and Wood products	444		10	13		308		63	50
+ Construction	35		18	8		2		6	1
+ Textile and Leather	8			4		0		3	1
+ Not elsewhere specified (Industry)	13			2		4		6	1
+ Transport	1 158		1 136			13		9	
+ Rail	61		56			2		3	
+ Road	968		954			9		5	
+ International aviation	123		123						
+ Domestic aviation									
+ Domestic navigation	4		4						
+ Pipeline transport	1							1	
+ Not elsewhere specified (Transport)	2					2			
+ Other sectors	1 913	18	207	214		549		405	521
+ Commercial and public services	593	6	36	94		80		235	142
+ Residential	1 143	12	51	106		450		154	369
+ Agriculture / Forestry	166		110	13		18		15	10
+ Fishing	9		8	0		0		1	
+ Not elsewhere specified (Other)	2		2					0	0

Source: Eurostat (nrg\_100a)

Latvia	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	1 123	1 409	1 861	1 977	2 380	2 338	2 447	+3.04	+3.62
Solid fossil fuels	61	16	3	2	1		1	-14.76	-14.16
Crude oil & other hydrocarbons									
Natural gas									
Nuclear heat									
Renewable energies	1 062	1 393	1 854	1 964	2 371	2 330	2 437	+3.25	+3.66
Non-renewable wastes			4	10	8	8	9		-2.85
<b>Net imports</b>	7 469	2 361	3 097	2 220	1 899	2 370	2 217	-4.56	-0.02
Solid fossil fuels	626	61	77	112	46	39	35	-10.54	-17.77
Crude oil & other hydrocarbons		87	4	2					
Petroleum products	3 974	1 148	1 779	1 669	1 537	1 790	1 965	-2.67	+2.76
Natural gas	2 561	1 113	1 434	903	780	1 083	923	-3.85	+0.36
Renewable energies		- 202	- 382	- 559	- 716	- 745	- 819		+6.57
<b>Gross inland consumption</b>	7 932	3 864	4 592	4 629	4 452	4 380	4 385	-2.25	-0.90
Solid fossil fuels	710	132	82	109	60	47	41	-10.38	-15.03
Crude oil & petroleum products	3 489	1 295	1 487	1 521	1 433	1 486	1 488	-3.22	-0.36
Gas	2 380	1 092	1 358	1 462	1 082	1 098	1 107	-2.90	-4.53
Nuclear heat									
Renewable energies	1 045	1 191	1 476	1 435	1 613	1 537	1 623	+1.71	+2.08
Non-renewable wastes			4	28	65	55	37		+4.48
<b>Transformation input</b>	3 459	1 087	1 063	1 156	1 121	1 194	1 286	-3.73	+1.79
Conventional thermal power stations	887	517	576	789	883	974	1 041	+0.62	+4.73
Nuclear power stations									
District heating plants	2 545	569	476	356	220	203	228	-8.86	-7.14
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants	27	1							
<b>Transformation output</b>	2 560	874	881	954	883	919	1 024	-3.46	+1.19
Conventional thermal power stations	720	400	482	665	705	756	842	+0.60	+4.01
Nuclear power stations									
District heating plants	1 840	474	393	283	169	155	174	-8.67	-7.78
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
of which: electricity	185	113	132	263	258	303	324	+2.18	+3.54
of which: derived heat	2 375	761	744	685	615	608	692	-4.63	+0.18
<b>Exchanges, transfers and returns</b>		0	- 16						
<b>Consumption of the energy branch</b>	96	121	89	87	92	87	90	-0.26	+0.49
<b>Distribution losses</b>	469	249	197	167	134	124	127	-4.89	-4.39
<b>Energy available for final consumption</b>	6 469	3 281	4 108	4 173	3 987	3 893	3 906	-1.92	-1.10
Solid fossil fuels	291	61	74	94	54	42	36	-7.73	-14.83
Gas/Diesel Oil (w/o bio)	890	485	779	926	894	954	960	+0.29	+0.61
Motor Gasoline (w/o bio)	639	294	355	283	224	206	198	-4.40	-5.71
Kerosene Type Jet Fuel	73	27	59	118	110	107	124	+2.04	+0.86
Naphtha									
LPG	86	50	61	50	101	98	99	+0.54	+12.04
All other oil & petroleum products	448	225	159	123	97	114	101	-5.58	-3.20
Natural gas	698	331	508	498	327	317	321	-2.94	-7.04
Derived gases									
Solid biomass & charcoal	616	824	1 009	915	1 013	908	871	+1.35	-0.81
Liquid biofuels			3	27	24	25	12		-12.96
All other renewable energies			2	3	9	9	8		+19.00
Non-renewable wastes			4	28	65	55	37		+4.48
Electricity	715	385	493	534	566	556	557	-0.96	+0.70
Derived heat	2 013	598	603	575	505	504	581	-4.67	+0.18
<b>Statistical difference</b>	- 25	- 48	- 7	- 20	8	- 7	- 11		
<b>Final non-energy consumption</b>	80	75	97	73	94	113	97	+0.74	+4.85
<b>Final energy consumption</b>	6 414	3 254	4 018	4 120	3 885	3 787	3 820	-1.97	-1.25
Industry	1 982	576	699	774	791	788	749	-3.67	-0.54
Transport	1 126	749	1 067	1 201	1 094	1 147	1 158	+0.11	-0.60
Road transport	808	650	919	1 006	901	962	968	+0.70	-0.65
Domestic & International aviation	73	27	59	118	110	107	123	+2.01	+0.72
Other sectors	3 306	1 929	2 253	2 145	2 001	1 853	1 913	-2.08	-1.89
Services	1 102	473	594	598	609	586	593	-2.36	-0.15
Residential	1 583	1 327	1 504	1 389	1 238	1 106	1 143	-1.24	-3.19

Source: Eurostat (nrg\_100a)

Lithuania, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	1 620	5	64			1 498	53		
+ Primary production receipt									
+ Other sources (recovered products)	11		11						
+ Recycled products	8		8						
+ Imports	14 771	175	11 564	1 889		188		955	
+ Stock changes	- 4	16	- 10	- 11		1	- 0		
- Exports	9 198	3	8 689	37		226		243	
- Bunkers	163		163						
- Direct use	11		11						
<b>Gross inland consumption</b>	<b>7 034</b>	<b>192</b>	<b>2 774</b>	<b>1 842</b>		<b>1 461</b>	<b>53</b>	<b>712</b>	
<b>Transformation input</b>	<b>11 164</b>	<b>6</b>	<b>9 980</b>	<b>423</b>		<b>631</b>	<b>53</b>	<b>0</b>	<b>70</b>
+ Conventional thermal power stations	621		3	313		183	53		70
+ Nuclear power stations									
+ District heating plants	572	4	10	111		447		0	
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	9 967		9 967						
+ Patent fuel plants									
+ BKB/PB plants	2	2							
+ Charcoal production plants	1					1			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>11 172</b>	<b>3</b>	<b>9 965</b>			<b>1</b>		<b>174</b>	<b>1 031</b>
+ Conventional thermal power stations	624							174	450
+ Nuclear power stations									
+ District heating plants	580								580
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	9 965		9 965						
+ Patent fuel plants									
+ BKB/PB plants	3	3							
+ Charcoal production plants	1					1			
<b>Exchanges, transfers and returns</b>	<b>- 9</b>		<b>- 9</b>			<b>- 142</b>		<b>142</b>	
<b>Consumption of the energy branch</b>	<b>682</b>		<b>538</b>	<b>26</b>		<b>0</b>		<b>111</b>	<b>7</b>
<b>Distribution losses</b>	<b>198</b>							<b>78</b>	<b>120</b>
<b>Available for final consumption</b>	<b>6 153</b>	<b>189</b>	<b>2 212</b>	<b>1 392</b>		<b>688</b>		<b>838</b>	<b>834</b>
<b>Statistical difference</b>	<b>0</b>					<b>0</b>		<b>0</b>	
<b>Final non-energy consumption</b>	<b>1 045</b>		<b>204</b>	<b>841</b>					
<b>Final energy consumption</b>	<b>5 108</b>	<b>189</b>	<b>2 008</b>	<b>551</b>		<b>688</b>		<b>838</b>	<b>834</b>
+ Industry	989	88	35	288		96		294	189
+ Iron and Steel	2	1		0				2	
+ Chemical and Petrochemical	340		1	114		5		64	155
+ Non-ferrous metals									
+ Non-metallic minerals	141	85	2	25		7		22	1
+ Transport eEquipment	4			1				2	1
+ Machinery	27			8		0		16	3
+ Mining and Quarrying	5		2	0		1		2	0
+ Food, Beverages and Tobacco	191	2	14	84		17		63	11
+ Paper, Pulp and Printing	31			12		5		13	1
+ Wood and Wood products	102		2	11		48		31	10
+ Construction	39		10	12		2		13	1
+ Textile and Leather	35		1	15		1		14	3
+ Not elsewhere specified (Industry)	72	0	2	4		11		51	3
+ Transport	1 960		1 866	31		57		6	
+ Rail	53		50			2		1	
+ Road	1 776		1 710	8		55		3	
+ International aviation	96		96						
+ Domestic aviation									
+ Domestic navigation	4		4						
+ Pipeline transport	25			23				2	
+ Not elsewhere specified (Transport)	6		6						
+ Other sectors	2 159	101	107	232		536		538	645
+ Commercial and public services	605	41	3	65		40		282	174
+ Residential	1 440	57	48	145		484		239	466
+ Agriculture / Forestry	105	3	46	21		12		17	5
+ Fishing	1		1					0	
+ Not elsewhere specified (Other)	8		8						

Source: Eurostat (nrg\_100a)

Lithuania	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	4 806	3 235	3 851	1 310	1 487	1 585	1 620	-4.10	+3.60
Solid fossil fuels	14	12	20	9	28	21	5	-4.09	-9.53
Crude oil & other hydrocarbons	12	318	219	117	83	75	64	+6.75	-9.47
Natural gas									
Nuclear heat	4 459	2 223	2 713						
Renewable energies	321	682	900	1 185	1 358	1 466	1 498	+6.11	+3.99
Non-renewable wastes					18	23	53		
<b>Net imports</b>	11 483	4 247	5 026	5 668	5 232	5 482	5 574	-2.74	-0.28
Solid fossil fuels	758	80	174	196	211	163	172	-5.55	-2.18
Crude oil & other hydrocarbons	9 354	4 760	9 029	9 339	8 035	9 065	9 904	+0.22	+0.98
Petroleum products	- 2 277	- 2 537	- 6 408	- 6 731	- 5 753	- 6 373	- 7 029	+4.43	+0.72
Natural gas	4 678	2 065	2 493	2 485	2 150	2 061	1 853	-3.50	-4.77
Renewable energies		- 6	- 7	- 135	- 66	- 55	- 38		-19.08
<b>Gross inland consumption</b>	15 919	7 063	8 711	6 787	6 695	6 913	7 034	-3.09	+0.60
Solid fossil fuels	797	92	185	214	236	187	192	-5.32	-1.71
Crude oil & petroleum products	6 694	2 125	2 710	2 503	2 444	2 597	2 774	-3.33	+1.73
Gas	4 678	2 064	2 476	2 492	2 065	2 067	1 842	-3.52	-4.91
Nuclear heat	4 459	2 223	2 713						
Renewable energies	320	675	881	1 065	1 277	1 419	1 461	+6.01	+5.42
Non-renewable wastes					18	23	53		
<b>Transformation input</b>	18 291	8 854	13 938	11 293	9 412	10 392	11 164	-1.88	-0.19
Conventional thermal power stations	2 618	932	1 272	1 348	797	756	621	-5.38	-12.12
Nuclear power stations	4 459	2 223	2 713						
District heating plants	1 822	656	520	496	466	557	572	-4.36	+2.39
Coke-ovens									
Blast-furnaces									
Refineries	9 384	5 032	9 415	9 446	8 146	9 077	9 967	+0.23	+0.90
BKB / PB plants	8	4	4	2	2	2	2	-4.80	0
<b>Transformation output</b>	14 215	7 114	11 812	10 976	9 405	10 329	11 172	-0.92	+0.30
Conventional thermal power stations	1 812	699	975	1 041	737	717	624	-4.02	-8.18
Nuclear power stations	1 530	776	935						
District heating plants	1 485	604	482	488	521	534	580	-3.55	+2.92
Coke-ovens									
Blast-furnaces									
Refineries	9 380	5 030	9 414	9 443	8 144	9 075	9 965	+0.23	+0.90
BKB / PB plants	9	5	5	3	3	2	3	-4.14	0
of which: electricity	2 407	927	1 201	364	223	260	174	-9.62	-11.59
of which: derived heat	2 419	1 152	1 192	1 166	1 034	990	1 031	-3.23	-2.03
<b>Exchanges, transfers and returns</b>		- 12	- 9	- 5	- 4	- 9	- 9		
<b>Consumption of the energy branch</b>	951	650	882	753	593	668	682	-1.27	-1.62
<b>Distribution losses</b>	349	384	300	237	196	188	198	-2.16	-2.96
<b>Energy available for final consumption</b>	10 542	4 277	5 394	5 476	5 895	5 985	6 153	-2.05	+1.96
Solid fossil fuels	750	83	176	208	230	184	189	-5.16	-1.56
Gas/Diesel Oil (w/o bio)	1 368	559	860	1 023	1 302	1 388	1 507	+0.37	+6.68
Motor Gasoline (w/o bio)	1 029	400	355	298	206	201	217	-5.82	-5.20
Kerosene Type Jet Fuel	135	28	51	54	89	94	104	-0.98	+11.72
Naphtha									
LPG	151	205	301	224	188	175	172	+0.50	-4.35
All other oil & petroleum products	1 600	131	274	195	144	184	212	-7.47	+1.44
Natural gas	2 127	906	1 099	1 100	1 396	1 461	1 392	-1.62	+4.00
Derived gases									
Solid biomass & charcoal	272	605	683	688	636	621	623	+3.24	-1.65
Liquid biofuels			3	44	63	68	57		+4.27
All other renewable energies			1	5	7	7	8		+10.50
Non-renewable wastes									
Electricity	1 033	533	686	716	794	803	838	-0.80	+2.66
Derived heat	2 078	828	905	922	839	798	834	-3.45	-1.65
<b>Statistical difference</b>		- 152	- 11	- 0	- 0	- 0	0		
<b>Final non-energy consumption</b>	866	662	733	662	1 007	1 116	1 045	+0.72	+7.89
<b>Final energy consumption</b>	9 676	3 767	4 671	4 814	4 888	4 869	5 108	-2.43	+0.99
Industry	3 327	780	1 057	950	1 034	983	989	-4.56	+0.68
Transport	1 993	1 057	1 433	1 546	1 740	1 832	1 960	-0.06	+4.04
Road transport	1 729	952	1 286	1 403	1 567	1 661	1 776	+0.10	+4.01
Domestic & International aviation	135	27	47	48	77	82	96	-1.30	+12.06
Other sectors	4 356	1 931	2 181	2 319	2 114	2 054	2 159	-2.66	-1.19
Services	1 714	463	562	603	589	577	605	-3.93	+0.05
Residential	1 844	1 368	1 509	1 599	1 407	1 365	1 440	-0.95	-1.73

Source: Eurostat (nrg\_100a)

Luxembourg, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	159					125	34		
+ Primary production receipt									
+ Other sources (recovered products)	5			5					
+ Recycled products									
+ Imports	4 189	52	2 642	709		122		664	
+ Stock changes	- 1		- 1						
- Exports	155		6			26		122	
- Bunkers									
- Direct use									
<b>Gross inland consumption</b>	<b>4 197</b>	<b>52</b>	<b>2 635</b>	<b>714</b>		<b>221</b>	<b>34</b>	<b>542</b>	
<b>Transformation input</b>	<b>150</b>		<b>1</b>	<b>81</b>		<b>47</b>	<b>21</b>		
+ Conventional thermal power stations	138		1	78		38	21		
+ Nuclear power stations									
+ District heating plants	8			3		5			
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas	5					5			
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>98</b>							<b>40</b>	<b>58</b>
+ Conventional thermal power stations	92							40	52
+ Nuclear power stations									
+ District heating plants	7								7
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>						<b>- 27</b>		<b>27</b>	
<b>Consumption of the energy branch</b>	<b>47</b>							<b>47</b>	
<b>Distribution losses</b>	<b>19</b>							<b>14</b>	<b>5</b>
<b>Available for final consumption</b>	<b>4 079</b>	<b>52</b>	<b>2 634</b>	<b>633</b>		<b>146</b>	<b>13</b>	<b>548</b>	<b>53</b>
<b>Statistical difference</b>	<b>5</b>		<b>4</b>			<b>- 0</b>		<b>0</b>	<b>0</b>
<b>Final non-energy consumption</b>	<b>35</b>		<b>35</b>						
<b>Final energy consumption</b>	<b>4 039</b>	<b>52</b>	<b>2 594</b>	<b>633</b>		<b>146</b>	<b>13</b>	<b>547</b>	<b>53</b>
+ Industry	672	52	10	280		24	13	293	0
+ Iron and Steel	293	8		135				150	
+ Chemical and Petrochemical	57		6	18				33	
+ Non-ferrous metals									
+ Non-metallic minerals	151	41	1	68		4	13	24	
+ Transport eEquipment	1			0				1	
+ Machinery	11			3				8	
+ Mining and Quarrying	2			1				1	
+ Food, Beverages and Tobacco	23		1	7				15	
+ Paper, Pulp and Printing	6			3				3	
+ Wood and Wood products	23			3		19		1	
+ Construction	24	3	1	6				14	
+ Textile and Leather	37			27				9	0
+ Not elsewhere specified (Industry)	45		1	9				34	0
+ Transport	2 422		2 319			90		13	
+ Rail	17		4					13	
+ Road	1 891		1 801			90		0	
+ International aviation	514		514						
+ Domestic aviation									
+ Domestic navigation									
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	945	0	266	353		32		242	52
+ Commercial and public services	431		82	132		2		163	52
+ Residential	490	0	165	221		27		75	
+ Agriculture / Forestry	24		18			3		3	
+ Fishing									
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Luxembourg	ktoe								average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16	
<b>Primary production</b>	29	64	107	118	152	149	159	+6.79	+5.03	
Solid fossil fuels										
Crude oil & other hydrocarbons										
Natural gas										
Nuclear heat										
Renewable energies	18	39	72	88	119	115	125	+7.69	+6.12	
Non-renewable wastes	11	25	35	31	33	34	34	+4.56	+1.59	
<b>Net imports</b>	3 490	3 639	4 675	4 505	4 074	4 007	4 035	+0.56	-1.82	
Solid fossil fuels	1 109	108	77	66	53	49	52	-11.08	-3.88	
Crude oil & other hydrocarbons										
Petroleum products	1 613	2 369	3 141	2 852	2 687	2 617	2 636	+1.91	-1.31	
Natural gas	430	671	1 176	1 197	843	769	709	+1.95	-8.35	
Renewable energies		0	- 0	41	70	92	96		+15.20	
<b>Gross inland consumption</b>	3 508	3 654	4 800	4 641	4 223	4 180	4 197	+0.69	-1.66	
Solid fossil fuels	1 109	108	77	66	53	49	52	-11.08	-3.88	
Crude oil & petroleum products	1 602	2 320	3 160	2 869	2 680	2 635	2 635	+1.93	-1.41	
Gas	430	671	1 176	1 197	847	774	714	+1.97	-8.25	
Nuclear heat										
Renewable energies	18	39	71	129	189	207	221	+10.08	+9.44	
Non-renewable wastes	11	25	35	31	33	34	34	+4.56	+1.59	
<b>Transformation input</b>	566	96	579	557	330	238	150	-4.98	-19.62	
Conventional thermal power stations	188	96	576	553	320	228	138	-1.19	-20.69	
Nuclear power stations										
District heating plants		1	2	4	5	6	8		+12.30	
Coke-ovens										
Blast-furnaces	379									
Refineries										
BKB / PB plants										
<b>Transformation output</b>	426	36	349	336	200	145	98	-5.49	-18.54	
Conventional thermal power stations	48	36	347	333	195	140	92	+2.55	-19.33	
Nuclear power stations										
District heating plants		1	2	3	5	5	7		+11.84	
Coke-ovens										
Blast-furnaces	379									
Refineries										
BKB / PB plants										
<i>of which: electricity</i>	48	23	274	262	139	89	40	-0.65	-26.84	
<i>of which: derived heat</i>		13	75	74	60	56	58		-4.01	
<b>Exchanges, transfers and returns</b>										
<b>Consumption of the energy branch</b>	29	26	30	50	40	47	47	+1.89	-0.96	
<b>Distribution losses</b>	32	4	13	14	18	19	19	-2.00	+5.01	
<b>Energy available for final consumption</b>	3 306	3 564	4 528	4 356	4 035	4 021	4 079	+0.81	-1.09	
Solid fossil fuels	731	108	77	66	53	49	52	-9.64	-3.88	
Gas/Diesel Oil (w/o bio)	766	1 313	2 167	2 032	1 915	1 840	1 789	+3.32	-2.10	
Motor Gasoline (w/o bio)	426	596	515	361	314	293	285	-1.53	-3.87	
Kerosene Type Jet Fuel	132	321	432	429	406	458	514	+5.37	+3.04	
Naphtha										
LPG	22	26	13	11	9	9	10	-3.02	-1.74	
All other oil & petroleum products	254	62	32	36	37	34	36	-7.22	-0.15	
Natural gas	420	605	631	675	575	602	633	+1.59	-1.07	
Derived gases	202									
Solid biomass & charcoal		15	38	46	48	47	50		+1.35	
Liquid biofuels			1	42	72	83	90		+13.56	
All other renewable energies		1	4	6	5	5	7		+1.34	
Non-renewable wastes		6	17	14	15	14	13		-1.48	
Electricity	355	498	529	566	532	536	548	+1.68	-0.55	
Derived heat		12	73	71	56	51	53		-4.77	
<b>Statistical difference</b>	0	4	25	1	- 3	- 4	5			
<b>Final non-energy consumption</b>	21	55	29	33	36	32	35	+1.93	+1.25	
<b>Final energy consumption</b>	3 285	3 504	4 475	4 323	4 002	3 992	4 039	+0.80	-1.12	
Industry	1 720	735	779	756	656	638	672	-3.55	-1.94	
Transport	1 001	1 914	2 781	2 604	2 496	2 419	2 422	+3.46	-1.20	
<i>Road transport</i>	863	1 581	2 337	2 159	2 076	1 946	1 891	+3.06	-2.19	
<i>Domestic &amp; International aviation</i>	133	321	432	431	406	458	514	+5.34	+2.95	
Other sectors	564	855	915	963	850	934	945	+2.00	-0.31	
<i>Services</i>	55	364	368	426	360	403	431	+8.26	+0.19	
<i>Residential</i>	498	468	525	507	465	508	490	-0.06	-0.58	

Source: Eurostat (nrg\_100a)

Hungary, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	11 356	1 462	985	1 429	4 161	3 194	125		
+ Primary production receipt									
+ Other sources (recovered products)	90		90						
+ Recycled products									
+ Imports	19 329	1 139	9 159	7 225		230	33	1 544	
+ Stock changes	24	17	- 272	266		12			
- Exports	5 039	359	2 900	893		436		451	
- Bunkers									
- Direct use	55		55						
<b>Gross inland consumption</b>	<b>25 705</b>	<b>2 260</b>	<b>7 006</b>	<b>8 028</b>	<b>4 161</b>	<b>3 000</b>	<b>157</b>	<b>1 093</b>	
<b>Transformation input</b>	<b>16 933</b>	<b>2 498</b>	<b>7 344</b>	<b>2 104</b>	<b>4 161</b>	<b>732</b>	<b>94</b>		
+ Conventional thermal power stations	3 521	1 447	16	1 374		598	86		
+ Nuclear power stations	4 161				4 161				
+ District heating plants	738	4	2	590		134	8		
+ Coke ovens	931	931							
+ Blast furnaces	116	116							
+ Gas works									
+ Refineries	7 326		7 326						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	140			140					
<b>Transformation output</b>	<b>12 187</b>	<b>641</b>	<b>7 325</b>	<b>292</b>				<b>2 641</b>	<b>1 289</b>
+ Conventional thermal power stations	1 797							1 261	537
+ Nuclear power stations	1 401							1 380	20
+ District heating plants	732								732
+ Coke ovens	817	641		176					
+ Blast furnaces	116			116					
+ Gas works									
+ Refineries	7 325		7 325						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>- 0</b>		<b>- 0</b>			<b>- 98</b>		<b>98</b>	
<b>Consumption of the energy branch</b>	<b>1 037</b>	<b>1</b>	<b>353</b>	<b>246</b>		<b>15</b>		<b>298</b>	<b>125</b>
<b>Distribution losses</b>	<b>502</b>			<b>100</b>				<b>307</b>	<b>96</b>
<b>Available for final consumption</b>	<b>19 420</b>	<b>401</b>	<b>6 634</b>	<b>5 871</b>		<b>2 155</b>	<b>63</b>	<b>3 228</b>	<b>1 068</b>
<b>Statistical difference</b>	<b>- 293</b>	<b>- 1</b>	<b>- 11</b>	<b>- 322</b>		<b>1</b>	<b>- 0</b>	<b>36</b>	<b>4</b>
<b>Final non-energy consumption</b>	<b>1 848</b>	<b>12</b>	<b>1 349</b>	<b>487</b>					
<b>Final energy consumption</b>	<b>17 865</b>	<b>391</b>	<b>5 296</b>	<b>5 706</b>		<b>2 154</b>	<b>63</b>	<b>3 192</b>	<b>1 064</b>
+ Industry	4 257	266	619	1 405		139	61	1 373	394
+ Iron and Steel	448	216	1	154		0		53	24
+ Chemical and Petrochemical	1 098		318	265		1	0	277	237
+ Non-ferrous metals	117		1	74				34	7
+ Non-metallic minerals	535	29	102	202		17	58	125	3
+ Transport eEquipment	227		2	72		0		142	10
+ Machinery	405	1	9	163		5		221	6
+ Mining and Quarrying	24		12	3		0		8	
+ Food, Beverages and Tobacco	585	1	13	273		57		205	35
+ Paper, Pulp and Printing	205	14	3	39		12	3	72	61
+ Wood and Wood products	74		4	11		35		24	
+ Construction	234	4	150	45		4		28	3
+ Textile and Leather	43			20		1		21	0
+ Not elsewhere specified (Industry)	265	0	3	84		8		162	7
+ Transport	4 536		4 199	48		187		101	
+ Rail	139		41					98	
+ Road	4 159		3 962	8		187		2	
+ International aviation	192		192						
+ Domestic aviation									
+ Domestic navigation	4		4						
+ Pipeline transport	41			40				1	
+ Not elsewhere specified (Transport)									
+ Other sectors	9 072	124	477	4 253		1 827	2	1 718	671
+ Commercial and public services	2 231	3	35	1 274		48	2	692	177
+ Residential	6 157	121	60	2 813		1 730		942	491
+ Agriculture / Forestry	647	0	373	148		49		77	0
+ Fishing	2		1	0				1	
+ Not elsewhere specified (Other)	35	0	8	18				6	3

Source: Eurostat (nrg\_100a)

Hungary	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	14 640	11 598	10 808	11 802	10 983	11 196	11 356	-0.97	-0.64
Solid fossil fuels	4 224	2 893	1 748	1 593	1 588	1 518	1 462	-4.00	-1.42
Crude oil & other hydrocarbons	2 261	1 699	1 393	1 064	823	850	985	-3.15	-1.29
Natural gas	3 812	2 475	2 331	2 235	1 437	1 369	1 429	-3.70	-7.18
Nuclear heat	3 542	3 672	3 585	4 078	4 055	4 104	4 161	+0.62	+0.34
Renewable energies	790	830	1 690	2 744	2 980	3 248	3 194	+5.52	+2.56
Non-renewable wastes	12	29	62	88	99	107	125	+9.49	+5.99
<b>Net imports</b>	14 129	13 956	17 421	14 995	14 123	13 430	14 290	+0.04	-0.80
Solid fossil fuels	1 656	1 087	1 299	1 143	627	803	780	-2.85	-6.17
Crude oil & other hydrocarbons	6 224	5 887	5 988	5 817	6 273	6 352	6 105	-0.07	+0.81
Petroleum products	148	- 596	- 208	- 172	- 608	80	153	+0.12	
Natural gas	5 170	7 283	9 807	7 726	6 819	5 218	6 332	+0.78	-3.26
Renewable energies	- 28			35	- 142	- 225	- 206	+8.04	
<b>Gross inland consumption</b>	28 847	25 298	28 112	26 599	23 815	25 184	25 705	-0.44	-0.57
Solid fossil fuels	6 231	3 850	3 031	2 730	2 218	2 363	2 260	-3.83	-3.10
Crude oil & petroleum products	8 444	6 964	7 115	6 665	6 460	6 901	7 006	-0.72	+0.84
Gas	8 913	9 657	12 094	9 815	6 982	7 490	8 028	-0.40	-3.30
Nuclear heat	3 542	3 672	3 585	4 078	4 055	4 104	4 161	+0.62	+0.34
Renewable energies	746	830	1 690	2 776	2 847	3 017	3 000	+5.50	+1.30
Non-renewable wastes	12	29	62	88	102	132	157	+10.47	+10.18
<b>Transformation input</b>	20 327	18 954	18 752	19 580	17 005	16 847	16 933	-0.70	-2.39
Conventional thermal power stations	5 334	6 009	5 645	5 229	3 280	3 322	3 521	-1.58	-6.38
Nuclear power stations	3 542	3 672	3 585	4 078	4 055	4 104	4 161	+0.62	+0.34
District heating plants	1 159	470	624	467	640	783	738	-1.72	+7.92
Coke-ovens	698	949	632	1 065	913	950	931	+1.12	-2.21
Blast-furnaces	270	182	148	185	122	168	116	-3.20	-7.52
Refineries	8 528	7 638	8 105	8 388	7 855	7 381	7 326	-0.58	-2.23
BKB / PB plants									
<b>Transformation output</b>	14 823	13 350	13 396	13 937	12 410	12 202	12 187	-0.75	-2.21
Conventional thermal power stations	2 193	3 002	2 846	2 686	1 604	1 631	1 797	-0.76	-6.47
Nuclear power stations	1 181	1 234	1 205	1 367	1 364	1 381	1 401	+0.66	+0.40
District heating plants	820	427	524	364	617	751	732	-0.44	+12.36
Coke-ovens	589	805	551	949	849	892	817	+1.27	-2.46
Blast-furnaces	270	182	148	185	122	168	116	-3.20	-7.52
Refineries	8 518	7 637	8 101	8 386	7 853	7 378	7 325	-0.58	-2.23
BKB / PB plants									
<i>of which: electricity</i>	2 430	3 011	3 056	3 151	2 440	2 519	2 641	+0.32	-2.90
<i>of which: derived heat</i>	1 764	1 652	1 519	1 266	1 146	1 244	1 289	-1.20	+0.31
<b>Exchanges, transfers and returns</b>	- 8	- 5	44	20	6	5	- 0		
<b>Consumption of the energy branch</b>	1 359	1 164	1 102	966	1 021	961	1 037	-1.04	+1.18
<b>Distribution losses</b>	722	810	833	603	515	516	502	-1.39	-3.01
<b>Energy available for final consumption</b>	21 254	17 716	20 865	19 406	17 690	19 066	19 420	-0.35	+0.01
Solid fossil fuels	2 625	641	695	544	308	463	401	-6.97	-4.96
Gas/Diesel Oil (w/o bio)	2 861	2 062	2 876	2 882	2 734	3 073	3 144	+0.36	+1.46
Motor Gasoline (w/o bio)	1 920	1 433	1 589	1 348	1 243	1 283	1 388	-1.24	+0.49
Kerosene Type Jet Fuel	164	230	261	230	171	175	200	+0.75	-2.32
Naphtha	415	601	964	929	876	943	938	+3.18	+0.16
LPG	365	367	382	386	513	585	478	+1.05	+3.64
All other oil & petroleum products	1 400	800	642	446	535	528	486	-3.99	+1.44
Natural gas	6 200	6 692	8 096	6 471	5 134	5 495	5 788	-0.26	-1.84
Derived gases	293	138	89	135	96	123	83	-4.75	-7.85
Solid biomass & charcoal	618	694	1 072	1 695	1 797	1 921	1 889	+4.39	+1.82
Liquid biofuels			2	174	176	175	188		+1.39
All other renewable energies	86	80	83	104	88	80	78	-0.37	-4.74
Non-renewable wastes			26	32	48	60	63		+12.10
Electricity	2 717	2 531	2 781	2 941	3 072	3 179	3 228	+0.67	+1.56
Derived heat	1 591	1 447	1 308	1 089	899	985	1 068	-1.52	-0.32
<b>Statistical difference</b>	- 411	- 11	- 52	8	- 347	- 219	- 293		
<b>Final non-energy consumption</b>	1 739	1 587	2 169	1 973	1 828	1 905	1 848	+0.23	-1.09
<b>Final energy consumption</b>	19 926	16 140	18 749	17 425	16 209	17 381	17 865	-0.42	+0.42
Industry	6 476	3 513	3 401	2 920	3 967	4 244	4 257	-1.60	+6.49
Transport	3 142	3 311	4 313	4 319	4 044	4 356	4 536	+1.42	+0.82
Road transport	2 628	2 904	3 890	3 911	3 680	4 005	4 159	+1.78	+1.03
Domestic & International aviation	164	234	264	230	171	175	192	+0.61	-2.92
Other sectors	10 308	9 316	11 035	10 186	8 198	8 781	9 072	-0.49	-1.91
Services	2 037	3 027	3 501	3 049	2 115	2 204	2 231	+0.35	-5.07
Residential	7 053	5 603	6 974	6 649	5 488	5 970	6 157	-0.52	-1.27

Source: Eurostat (nrg\_100a)



Malta, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	18					18			
+ Primary production receipt									
+ Other sources (recovered products)	1		1						
+ Recycled products									
+ Imports	2 778		2 637			9		131	
+ Stock changes	- 39		- 37			- 2			
- Exports	279		279						
- Bunkers	1 752		1 752						
- Direct use	1		1						
<b>Gross inland consumption</b>	<b>726</b>		<b>570</b>			<b>25</b>		<b>131</b>	
<b>Transformation input</b>	<b>173</b>		<b>172</b>			<b>1</b>			
+ Conventional thermal power stations	173		172			1			
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>63</b>							<b>63</b>	<b>0</b>
+ Conventional thermal power stations	63							63	0
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>						- 11		11	
<b>Consumption of the energy branch</b>	<b>4</b>							<b>4</b>	
<b>Distribution losses</b>	<b>19</b>							<b>19</b>	
<b>Available for final consumption</b>	<b>593</b>		<b>398</b>			<b>12</b>		<b>182</b>	<b>0</b>
<b>Statistical difference</b>	<b>0</b>					<b>0</b>			
<b>Final non-energy consumption</b>	<b>9</b>		<b>9</b>						
<b>Final energy consumption</b>	<b>584</b>		<b>389</b>			<b>12</b>		<b>182</b>	<b>0</b>
+ Industry	45		9					35	
+ Iron and Steel									
+ Chemical and Petrochemical	4							4	
+ Non-ferrous metals									
+ Non-metallic minerals	1							1	
+ Transport eEquipment	2							2	
+ Machinery	9							9	
+ Mining and Quarrying	0							0	
+ Food, Beverages and Tobacco	5							5	
+ Paper, Pulp and Printing	2							2	
+ Wood and Wood products	0							0	
+ Construction	2							2	
+ Textile and Leather	2							2	
+ Not elsewhere specified (Industry)	17		9					8	
+ Transport	321		315			6			
+ Rail									
+ Road	182		176			6			
+ International aviation	124		124						
+ Domestic aviation	2		2						
+ Domestic navigation	13		13						
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	218		65			6		146	0
+ Commercial and public services	124		38			1		85	0
+ Residential	81		19			5		57	
+ Agriculture / Forestry	5		4					1	
+ Fishing	4		4					0	
+ Not elsewhere specified (Other)	3							3	

Source: Eurostat (nrg\_100a)

Malta	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>			1	4	13	15	18		+25.68
Solid fossil fuels									
Crude oil & other hydrocarbons									
Natural gas									
Nuclear heat									
Renewable energies			1	4	13	15	18		+25.68
Non-renewable wastes									
<b>Net imports</b>	614	1 458	1 594	2 366	2 051	2 231	2 499	+5.55	+0.92
Solid fossil fuels									
Crude oil & other hydrocarbons									
Petroleum products	614	1 458	1 594	2 365	2 047	2 135	2 359	+5.31	-0.04
Natural gas									
Renewable energies				1	5	5	9		+52.11
<b>Gross inland consumption</b>	584	801	936	940	887	757	726	+0.84	-4.20
Solid fossil fuels									
Crude oil & petroleum products	584	801	935	934	869	646	570	-0.09	-7.89
Gas									
Nuclear heat									
Renewable energies			1	5	18	20	25		+29.38
Non-renewable wastes									
<b>Transformation input</b>	322	493	611	578	498	264	173	-2.35	-18.18
Conventional thermal power stations	322	493	611	578	498	264	173	-2.35	-18.18
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
<b>Transformation output</b>	95	165	193	182	187	104	63	-1.55	-16.17
Conventional thermal power stations	95	165	193	182	187	104	63	-1.55	-16.17
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
<i>of which: electricity</i>	95	165	193	182	187	104	63	-1.56	-16.21
<i>of which: derived heat</i>					0	0	0		
<b>Exchanges, transfers and returns</b>									
<b>Consumption of the energy branch</b>	8	10	11	10	9	5	4	-2.15	-13.39
<b>Distribution losses</b>	9	20	22	15	11	15	19	+3.01	+4.19
<b>Energy available for final consumption</b>	340	443	484	518	556	576	593	+2.16	+2.27
Solid fossil fuels									
Gas/Diesel Oil (w/o bio)	82	78	107	126	145	149	153	+2.43	+3.25
Motor Gasoline (w/o bio)	70	76	68	75	75	78	79	+0.49	+0.89
Kerosene Type Jet Fuel	72	122	89	102	112	117	126	+2.19	+3.68
Naphtha									
LPG	16	18	20	25	23	25	20	+0.70	-4.00
All other oil & petroleum products	22	14	40	28	17	14	20	-0.38	-5.32
Natural gas									
Derived gases									
Solid biomass & charcoal				1	1	1	1		+6.80
Liquid biofuels				1	5	5	6		+50.57
All other renewable energies			1	4	5	5	5		+4.15
Non-renewable wastes									
Electricity	78	135	160	157	172	182	182	+3.30	+2.49
Derived heat					0	0	0		
<b>Statistical difference</b>				5	6	-3	0		
<b>Final non-energy consumption</b>	6		20	10	5	6	9	+1.72	-1.54
<b>Final energy consumption</b>	335	443	464	503	545	572	584	+2.16	+2.50
Industry		43	50	44	45	46	45		+0.15
Transport	224	277	253	287	296	311	321	+1.41	+1.92
<i>Road transport</i>	152	154	156	168	173	180	182	+0.70	+1.34
<i>Domestic &amp; International aviation</i>	72	123	89	102	112	117	126	+2.19	+3.68
Other sectors	111	122	160	172	203	215	218	+2.62	+3.97
<i>Services</i>	1	43	63	92	120	126	124	+18.88	+5.10
<i>Residential</i>	55	76	72	69	71	78	81	+1.48	+2.65

Source: Eurostat (nrg\_100a)

Netherlands, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	46 059		1 571	38 079	1 021	4 711	676		
+ Primary production receipt	4 400		4 400						
+ Other sources (recovered products)	151		53	98					
+ Recycled products	302		302						
+ Imports	222 285	30 481	156 115	32 894		496	213	2 086	
+ Stock changes	2 644	915	- 8	1 799		- 61			
- Exports	180 705	21 184	113 636	42 741		1 451	29	1 663	
- Bunkers	12 236		12 234	1					
- Direct use	4 373		4 373						
<b>Gross inland consumption</b>	<b>78 528</b>	<b>10 213</b>	<b>32 190</b>	<b>30 127</b>	<b>1 021</b>	<b>3 695</b>	<b>860</b>	<b>423</b>	
<b>Transformation input</b>	<b>85 988</b>	<b>10 237</b>	<b>62 179</b>	<b>9 650</b>	<b>1 021</b>	<b>1 728</b>	<b>826</b>		<b>347</b>
+ Conventional thermal power stations	20 043	7 406	312	9 518		1 634	826		347
+ Nuclear power stations	1 021				1 021				
+ District heating plants	408		244	132		32			
+ Coke ovens	1 980	1 980							
+ Blast furnaces	851	851							
+ Gas works									
+ Refineries	61 460		61 460						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas	224		162			63			
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>76 021</b>	<b>1 451</b>	<b>61 450</b>	<b>1 227</b>				<b>9 058</b>	<b>2 835</b>
+ Conventional thermal power stations	11 205							8 717	2 487
+ Nuclear power stations	340							340	
+ District heating plants	348								348
+ Coke ovens	1 827	1 451		376					
+ Blast furnaces	851			851					
+ Gas works									
+ Refineries	61 450		61 450						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>2 521</b>		<b>2 521</b>			<b>- 845</b>		<b>845</b>	
<b>Consumption of the energy branch</b>	<b>4 937</b>		<b>2 287</b>	<b>1 557</b>				<b>801</b>	<b>291</b>
<b>Distribution losses</b>	<b>557</b>							<b>467</b>	<b>90</b>
<b>Available for final consumption</b>	<b>65 588</b>	<b>1 427</b>	<b>31 696</b>	<b>20 146</b>		<b>1 121</b>	<b>34</b>	<b>9 057</b>	<b>2 108</b>
<b>Statistical difference</b>	<b>2 388</b>	<b>- 130</b>	<b>2 296</b>	<b>332</b>		<b>- 52</b>		<b>- 25</b>	<b>- 32</b>
<b>Final non-energy consumption</b>	<b>13 683</b>	<b>3</b>	<b>11 729</b>	<b>1 950</b>					
<b>Final energy consumption</b>	<b>49 517</b>	<b>1 553</b>	<b>17 670</b>	<b>17 864</b>		<b>1 173</b>	<b>34</b>	<b>9 082</b>	<b>2 139</b>
+ Industry	14 657	1 550	2 983	5 332		138		3 073	1 580
+ Iron and Steel	2 410	1 467	4	715				224	0
+ Chemical and Petrochemical	6 811		2 536	1 766				1 117	1 393
+ Non-ferrous metals	259			67				192	1
+ Non-metallic minerals	600	36	12	440				111	0
+ Transport eEquipment	107		5	49				52	0
+ Machinery	518		3	256				258	1
+ Mining and Quarrying	116	4	5	45				21	40
+ Food, Beverages and Tobacco	2 099	26	7	1 366		11		594	96
+ Paper, Pulp and Printing	573		1	310		5		214	43
+ Wood and Wood products	74			24		33		17	1
+ Construction	603	1	408	106		12		76	
+ Textile and Leather	96			61				31	5
+ Not elsewhere specified (Industry)	390	16	2	128		78		166	1
+ Transport	14 295		13 850	43		242		161	
+ Rail	167		29			1		137	
+ Road	9 907		9 600	43		241		24	
+ International aviation	3 899		3 899						
+ Domestic aviation	7		7						
+ Domestic navigation	315		315						
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	20 564	3	837	12 490		793	34	5 848	559
+ Commercial and public services	6 807	2	162	3 173		112	34	3 141	183
+ Residential	9 855	1	37	7 099		477		1 948	293
+ Agriculture / Forestry	3 688		427	2 214		204		759	84
+ Fishing	180		180						
+ Not elsewhere specified (Other)	34		31	3					

Source: Eurostat (nrg\_100a)

Netherlands	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	60 508	58 424	62 400	71 139	60 275	47 917	46 059	-1.04	-6.99
Solid fossil fuels									
Crude oil & other hydrocarbons	4 091	2 619	2 504	1 609	2 066	2 023	1 571	-3.61	-0.39
Natural gas	54 529	52 761	56 177	64 718	51 923	39 443	38 079	-1.37	-8.46
Nuclear heat	903	1 013	1 031	1 024	1 055	1 052	1 021	+0.47	-0.04
Renewable energies	755	1 452	1 970	3 064	4 554	4 753	4 711	+7.30	+7.43
Non-renewable wastes	230	579	718	725	677	647	676	+4.23	-1.15
<b>Net imports</b>	19 131	34 495	37 537	29 999	29 219	46 082	41 581	+3.03	+5.59
Solid fossil fuels	9 292	7 924	8 219	9 177	9 812	12 300	9 298	+0.00	+0.22
Crude oil & other hydrocarbons	47 780	59 824	61 084	59 589	54 553	60 262	61 467	+0.97	+0.52
Petroleum products	- 14 939	- 17 593	- 12 695	- 14 921	- 13 588	- 15 770	- 18 988	+0.93	+4.10
Natural gas	- 23 796	- 17 187	- 20 940	- 24 209	- 21 783	- 10 493	- 9 848	-3.34	-13.92
Renewable energies	3	- 99	295	125	- 1 184	- 1 119	- 955		
<b>Gross inland consumption</b>	68 546	77 863	84 037	86 643	76 651	77 368	78 528	+0.52	-1.63
Solid fossil fuels	8 761	7 771	8 094	7 541	9 011	10 943	10 213	+0.59	+5.18
Crude oil & petroleum products	26 373	30 500	35 021	33 826	31 919	31 469	32 190	+0.77	-0.82
Gas	30 730	35 021	35 336	40 100	29 180	28 716	30 127	-0.08	-4.65
Nuclear heat	903	1 013	1 031	1 024	1 055	1 052	1 021	+0.47	-0.04
Renewable energies	758	1 353	2 265	3 189	3 400	3 639	3 695	+6.28	+2.48
Non-renewable wastes	230	579	718	725	819	797	860	+5.20	+2.90
<b>Transformation input</b>	67 985	82 635	85 071	85 880	81 857	86 130	85 988	+0.91	+0.02
Conventional thermal power stations	13 974	17 966	19 779	21 915	19 136	19 771	20 043	+1.40	-1.48
Nuclear power stations	903	1 013	1 031	1 024	1 055	1 052	1 021	+0.47	-0.04
District heating plants	274	1 421	1 412	735	671	540	408	+1.54	-9.36
Coke-ovens	2 639	2 058	2 162	2 008	1 991	2 032	1 980	-1.10	-0.23
Blast-furnaces	613	730	901	857	864	877	851	+1.27	-0.12
Refineries	49 573	59 425	59 767	59 231	57 919	61 598	61 460	+0.83	+0.62
BKB / PB plants									
<b>Transformation output</b>	60 061	73 828	75 347	75 651	72 439	76 355	76 021	+0.91	+0.08
Conventional thermal power stations	6 778	10 283	11 149	12 771	10 983	11 234	11 205	+1.95	-2.16
Nuclear power stations	301	338	344	341	352	351	340	+0.47	-0.04
District heating plants	244	1 119	1 174	604	497	452	348	+1.38	-8.80
Coke-ovens	2 563	1 948	2 031	1 871	1 841	1 852	1 827	-1.29	-0.40
Blast-furnaces	613	730	901	857	864	877	851	+1.27	-0.12
Refineries	49 559	59 406	59 744	59 202	57 903	61 590	61 450	+0.83	+0.62
BKB / PB plants									
<i>of which: electricity</i>	6 176	7 623	8 403	9 898	8 317	8 711	9 058	+1.48	-1.47
<i>of which: derived heat</i>	1 147	4 117	4 263	3 819	3 515	3 327	2 835	+3.54	-4.84
<b>Exchanges, transfers and returns</b>	2 013	3 638	3 293	2 536	2 033	2 241	2 521		
<b>Consumption of the energy branch</b>	4 233	4 555	4 941	4 907	5 053	5 161	4 937	+0.59	+0.10
<b>Distribution losses</b>	353	531	585	584	499	539	557	+1.77	-0.78
<b>Energy available for final consumption</b>	58 049	67 608	72 080	73 458	63 714	64 134	65 588	+0.47	-1.87
Solid fossil fuels	1 945	1 521	1 688	1 479	1 558	1 550	1 427	-1.18	-0.59
Gas/Diesel Oil (w/o bio)	6 541	7 450	7 909	7 919	6 932	7 161	6 794	+0.15	-2.52
Motor Gasoline (w/o bio)	3 415	3 965	4 040	4 048	3 705	3 774	3 911	+0.52	-0.57
Kerosene Type Jet Fuel	1 628	3 386	3 715	3 463	3 662	3 864	3 913	+3.43	+2.06
Naphtha	3 013	3 832	5 630	6 541	4 114	4 216	5 193	+2.12	-3.77
LPG	2 114	1 434	1 926	1 767	4 090	3 897	2 897	+1.22	+8.59
All other oil & petroleum products	8 380	10 248	11 267	10 070	8 255	7 670	8 987	+0.27	-1.88
Natural gas	22 793	22 850	21 950	24 546	18 234	18 920	19 684	-0.56	-3.61
Derived gases	475	398	487	459	437	455	463	-0.10	+0.14
Solid biomass & charcoal	357	398	473	526	626	660	669	+2.44	+4.09
Liquid biofuels			10	181	333	314	210		+2.50
All other renewable energies	51	100	113	187	230	250	242	+6.14	+4.44
Non-renewable wastes	7	32	46	58	41	36	34	+6.33	-8.31
Electricity	6 226	8 296	8 978	9 236	8 854	8 910	9 057	+1.45	-0.33
Derived heat	1 104	3 699	3 849	2 979	2 641	2 456	2 108	+2.52	-5.61
<b>Statistical difference</b>	1 764	3 486	2 886	2 118	1 917	2 664	2 388		
<b>Final non-energy consumption</b>	10 944	11 986	15 216	16 227	14 491	12 970	13 683	+0.86	-2.80
<b>Final energy consumption</b>	45 342	52 136	53 978	55 114	47 306	48 500	49 517	+0.34	-1.77
Industry	14 960	16 512	17 023	15 437	14 324	14 272	14 657	-0.08	-0.86
Transport	10 579	13 944	15 025	15 066	13 878	14 254	14 295	+1.16	-0.87
<i>Road transport</i>	8 610	10 202	10 920	11 098	9 771	9 866	9 907	+0.54	-1.87
<i>Domestic &amp; International aviation</i>	1 567	3 321	3 661	3 423	3 627	3 837	3 907	+3.58	+2.22
Other sectors	19 803	21 680	21 930	24 610	19 103	19 974	20 564	+0.15	-2.95
<i>Services</i>	5 129	6 242	6 933	7 804	6 327	6 555	6 807	+1.09	-2.25
<i>Residential</i>	10 404	10 832	10 744	12 460	9 122	9 557	9 855	-0.21	-3.83

Source: Eurostat (nrg\_100a)

Austria, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	12 349		785	975		9 769	819		
+ Primary production receipt									
+ Other sources (recovered products)									
+ Recycled products									
+ Imports	31 606	2 859	13 752	11 858		870		2 267	
+ Stock changes	376	133	200	47		- 3			
- Exports	10 447	35	2 475	5 698		588		1 651	
- Bunkers	18		18						
- Direct use									
<b>Gross inland consumption</b>	<b>33 865</b>	<b>2 957</b>	<b>12 243</b>	<b>7 182</b>		<b>10 048</b>	<b>819</b>	<b>616</b>	
<b>Transformation input</b>	<b>16 058</b>	<b>2 462</b>	<b>8 706</b>	<b>2 378</b>		<b>2 035</b>	<b>475</b>		<b>3</b>
+ Conventional thermal power stations	4 385	439	77	2 100		1 326	440		3
+ Nuclear power stations									
+ District heating plants	1 047		28	278		706	35		
+ Coke ovens	1 243	1 243							
+ Blast furnaces	779	779							
+ Gas works									
+ Refineries	8 601		8 601						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	3					3			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>14 254</b>	<b>957</b>	<b>8 599</b>	<b>993</b>		<b>1</b>		<b>1 642</b>	<b>2 060</b>
+ Conventional thermal power stations	2 834							1 642	1 191
+ Nuclear power stations									
+ District heating plants	869								869
+ Coke ovens	1 171	957		214					
+ Blast furnaces	779			779					
+ Gas works									
+ Refineries	8 599		8 599						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	1					1			
<b>Exchanges, transfers and returns</b>	<b>6</b>		<b>6</b>			<b>- 3 970</b>		<b>3 970</b>	
<b>Consumption of the energy branch</b>	<b>1 275</b>		<b>346</b>	<b>307</b>				<b>622</b>	
<b>Distribution losses</b>	<b>633</b>			<b>25</b>				<b>287</b>	<b>321</b>
<b>Available for final consumption</b>	<b>30 158</b>	<b>1 453</b>	<b>11 795</b>	<b>5 466</b>		<b>4 045</b>	<b>344</b>	<b>5 318</b>	<b>1 737</b>
<b>Statistical difference</b>	<b>4</b>	<b>4</b>	<b>- 0</b>			<b>0</b>	<b>0</b>		
<b>Final non-energy consumption</b>	<b>2 027</b>	<b>24</b>	<b>1 665</b>	<b>337</b>					
<b>Final energy consumption</b>	<b>28 128</b>	<b>1 425</b>	<b>10 130</b>	<b>5 128</b>		<b>4 045</b>	<b>344</b>	<b>5 318</b>	<b>1 737</b>
+ Industry	9 445	1 403	565	3 230		1 433	343	2 209	262
+ Iron and Steel	2 438	1 262	13	903		1	43	207	9
+ Chemical and Petrochemical	953	19	17	382		46	77	387	25
+ Non-ferrous metals	246	3	3	143		1	4	87	4
+ Non-metallic minerals	957	53	58	416		91	179	159	1
+ Transport eEquipment	115		2	34		1		61	16
+ Machinery	639		33	277		8		296	25
+ Mining and Quarrying	136		12	66		0		58	0
+ Food, Beverages and Tobacco	806	3	59	313		157		202	72
+ Paper, Pulp and Printing	1 685	62	5	458		740	2	396	22
+ Wood and Wood products	675		16	82		332	36	148	61
+ Construction	539		335	79		45	1	63	16
+ Textile and Leather	70		5	33		1		31	0
+ Not elsewhere specified (Industry)	186		8	43		10	1	114	10
+ Transport	9 187		8 128	257		533		269	
+ Rail	215		38			3		174	
+ Road	7 841		7 293	17		530		1	
+ International aviation	762		762						
+ Domestic aviation	32		32						
+ Domestic navigation	3		3						
+ Pipeline transport	258			240				18	
+ Not elsewhere specified (Transport)	77					1		76	
+ Other sectors	9 496	22	1 438	1 642		2 078	1	2 840	1 475
+ Commercial and public services	2 652	2	188	422		171	1	1 207	660
+ Residential	6 324	19	1 030	1 206		1 733		1 532	803
+ Agriculture / Forestry	520		220	14		174		101	11
+ Fishing									
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Austria	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	8 093	9 768	9 742	11 627	12 056	11 995	12 349	+1.64	+1.01
Solid fossil fuels	638	293	0	0	0	0	0		
Crude oil & other hydrocarbons	1 164	1 068	971	1 001	970	867	785	-1.50	-3.96
Natural gas	1 108	1 548	1 331	1 397	1 085	1 037	975	-0.49	-5.83
Nuclear heat									
Renewable energies	4 990	6 608	7 001	8 609	9 268	9 330	9 769	+2.62	+2.13
Non-renewable wastes	193	251	439	620	733	760	819	+5.72	+4.75
<b>Net imports</b>	17 171	19 010	24 520	21 571	21 480	20 224	21 159	+0.81	-0.32
Solid fossil fuels	3 178	3 019	3 970	3 365	3 061	2 706	2 824	-0.45	-2.88
Crude oil & other hydrocarbons	7 745	7 783	8 115	7 022	7 693	8 052	7 415	-0.17	+0.91
Petroleum products	1 739	3 054	5 094	4 475	3 219	3 211	3 862	+3.12	-2.43
Natural gas	4 488	5 306	7 153	6 115	6 236	4 989	6 161	+1.23	+0.12
Renewable energies	61	- 34	- 41	394	474	401	282	+6.09	-5.42
<b>Gross inland consumption</b>	25 033	29 023	34 043	34 116	32 640	33 397	33 865	+1.17	-0.12
Solid fossil fuels	4 101	3 597	3 944	3 384	3 028	3 175	2 957	-1.25	-2.22
Crude oil & petroleum products	10 484	12 134	14 397	12 772	11 895	11 979	12 243	+0.60	-0.70
Gas	5 256	6 585	8 086	8 123	6 445	6 877	7 182	+1.21	-2.03
Nuclear heat									
Renewable energies	5 038	6 574	6 948	9 016	9 742	9 741	10 048	+2.69	+1.82
Non-renewable wastes	193	251	439	620	733	760	819	+5.72	+4.75
<b>Transformation input</b>	15 409	15 204	17 418	16 730	16 037	16 771	16 058	+0.16	-0.68
Conventional thermal power stations	4 047	3 876	5 439	5 719	4 028	4 557	4 385	+0.31	-4.33
Nuclear power stations									
District heating plants	339	560	617	885	1 026	1 001	1 047	+4.43	+2.84
Coke-ovens	1 623	1 303	1 319	1 281	1 228	1 227	1 243	-1.02	-0.50
Blast-furnaces	408	606	757	791	832	803	779	+2.52	-0.25
Refineries	8 970	8 856	9 285	8 053	8 921	9 180	8 601	-0.16	+1.10
BKB / PB plants									
<b>Transformation output</b>	13 097	13 360	14 917	14 370	14 212	14 788	14 254	+0.33	-0.14
Conventional thermal power stations	1 941	2 233	3 162	3 608	2 443	2 808	2 834	+1.47	-3.94
Nuclear power stations									
District heating plants	268	456	480	719	855	828	869	+4.63	+3.21
Coke-ovens	1 517	1 212	1 233	1 202	1 162	1 171	1 171	-0.99	-0.44
Blast-furnaces	408	606	757	791	832	803	779	+2.52	-0.25
Refineries	8 964	8 853	9 285	8 049	8 920	9 177	8 599	-0.16	+1.11
BKB / PB plants									
of which: electricity	1 529	1 545	2 239	2 358	1 373	1 628	1 642	+0.27	-5.85
of which: derived heat	679	1 144	1 402	1 969	1 925	2 008	2 060	+4.36	+0.76
<b>Exchanges, transfers and returns</b>	0	0	3	- 1	1	13	6		
<b>Consumption of the energy branch</b>	1 467	1 335	1 584	1 463	1 476	1 406	1 275	-0.54	-2.26
<b>Distribution losses</b>	326	396	464	466	613	626	633	+2.58	+5.23
<b>Energy available for final consumption</b>	20 929	25 447	29 498	29 826	28 727	29 395	30 158	+1.42	+0.18
Solid fossil fuels	1 792	1 458	1 362	1 270	1 293	1 468	1 453	-0.80	+2.27
Gas/Diesel Oil (w/o bio)	3 382	6 091	8 303	7 381	7 064	7 270	7 507	+3.11	+0.28
Motor Gasoline (w/o bio)	2 535	2 016	2 109	1 700	1 530	1 546	1 528	-1.93	-1.76
Kerosene Type Jet Fuel	311	588	675	705	678	729	791	+3.65	+1.93
Naphtha	482	646	613	853	1 079	1 047	1 069	+3.11	+3.83
LPG	136	166	188	176	111	101	88	-1.66	-10.87
All other oil & petroleum products	2 294	1 658	1 559	1 171	874	755	811	-3.92	-5.94
Natural gas	3 064	4 313	4 974	5 164	4 691	4 780	4 962	+1.87	-0.66
Derived gases	441	504	532	537	531	492	503	+0.51	-1.06
Solid biomass & charcoal	2 080	2 311	2 551	2 896	2 882	2 994	3 227	+1.70	+1.82
Liquid biofuels	6	17	55	532	624	682	569	+18.94	+1.14
All other renewable energies	18	79	114	187	231	236	249	+10.53	+4.88
Non-renewable wastes	96	147	238	281	331	339	344	+5.02	+3.45
Electricity	3 677	4 432	4 927	5 150	5 185	5 250	5 318	+1.43	+0.54
Derived heat	612	1 020	1 298	1 824	1 624	1 703	1 737	+4.09	-0.81
<b>Statistical difference</b>	- 3	36	24	46	2	9	4		
<b>Final non-energy consumption</b>	1 621	1 721	1 713	1 838	2 020	1 925	2 027	+0.86	+1.64
<b>Final energy consumption</b>	19 311	23 689	27 760	27 942	26 706	27 461	28 128	+1.46	+0.11
Industry	6 182	7 299	8 617	9 082	9 077	9 127	9 445	+1.64	+0.65
Transport	4 982	6 975	9 034	8 743	8 722	9 024	9 187	+2.38	+0.83
Road transport	4 272	5 893	7 845	7 506	7 515	7 728	7 841	+2.36	+0.73
Domestic & International aviation	314	590	679	707	680	732	794	+3.63	+1.95
Other sectors	8 146	9 415	10 110	10 116	8 907	9 310	9 496	+0.59	-1.05
Services	1 690	2 549	3 612	3 362	2 555	2 639	2 652	+1.75	-3.88
Residential	5 874	6 340	6 000	6 244	5 844	6 155	6 324	+0.28	+0.21

Source: Eurostat (nrg\_100a)

Poland, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	66 415	52 092	1 002	3 553		9 026	742		
+ Primary production receipt									
+ Other sources (recovered products)	919	216	703						
+ Recycled products	39		39						
+ Imports	51 311	5 044	32 044	12 185		832		1 205	
+ Stock changes	2 524	2 648	273	- 389		- 8			
- Exports	20 990	10 921	7 239	716		1 082		1 033	
- Bunkers	183		183						
- Direct use	105		105						
<b>Gross inland consumption</b>	<b>99 930</b>	<b>49 079</b>	<b>26 535</b>	<b>14 633</b>		<b>8 769</b>	<b>742</b>	<b>172</b>	
<b>Transformation input</b>	<b>76 966</b>	<b>44 223</b>	<b>27 412</b>	<b>3 263</b>		<b>1 951</b>	<b>105</b>		<b>13</b>
+ Conventional thermal power stations	36 297	31 728	119	2 450		1 893	96		13
+ Nuclear power stations									
+ District heating plants	2 840	2 537	21	214		59	9		
+ Coke ovens	9 098	9 098							
+ Blast furnaces	728	728							
+ Gas works									
+ Refineries	27 272		27 272						
+ Patent fuel plants	1	1							
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	730	131		599					
<b>Transformation output</b>	<b>56 637</b>	<b>6 961</b>	<b>27 261</b>	<b>2 411</b>				<b>13 010</b>	<b>6 993</b>
+ Conventional thermal power stations	17 536							13 010	4 527
+ Nuclear power stations									
+ District heating plants	2 467								2 467
+ Coke ovens	8 643	6 960		1 683					
+ Blast furnaces	728			728					
+ Gas works									
+ Refineries	27 261		27 261						
+ Patent fuel plants	1	1							
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>31</b>		<b>31</b>			<b>- 1 277</b>		<b>1 277</b>	
<b>Consumption of the energy branch</b>	<b>6 383</b>	<b>102</b>	<b>1 399</b>	<b>2 012</b>		<b>1</b>	<b>0</b>	<b>2 220</b>	<b>648</b>
<b>Distribution losses</b>	<b>1 507</b>			<b>27</b>				<b>816</b>	<b>664</b>
<b>Available for final consumption</b>	<b>71 741</b>	<b>11 715</b>	<b>25 016</b>	<b>11 743</b>		<b>5 540</b>	<b>637</b>	<b>11 422</b>	<b>5 669</b>
<b>Statistical difference</b>	<b>- 517</b>	<b>- 442</b>	<b>- 22</b>	<b>- 53</b>					
<b>Final non-energy consumption</b>	<b>5 607</b>	<b>87</b>	<b>3 411</b>	<b>2 108</b>					
<b>Final energy consumption</b>	<b>66 652</b>	<b>12 069</b>	<b>21 627</b>	<b>9 688</b>		<b>5 540</b>	<b>637</b>	<b>11 422</b>	<b>5 669</b>
+ Industry	15 620	3 823	651	3 873		1 557	628	4 403	685
+ Iron and Steel	2 640	1 187	5	835		0		529	84
+ Chemical and Petrochemical	2 522	1 140	244	303		3	16	714	103
+ Non-ferrous metals	437	6	10	203			0	184	35
+ Non-metallic minerals	2 843	539	65	1 098		63	607	444	26
+ Transport eEquipment	412	10	23	100		0		233	45
+ Machinery	738	35	32	215		3	0	394	60
+ Mining and Quarrying	411	9	68	33		0		232	68
+ Food, Beverages and Tobacco	1 959	554	79	659		43		560	63
+ Paper, Pulp and Printing	1 637	230	45	191		729	5	367	71
+ Wood and Wood products	968	36	15	37		593		208	80
+ Construction	167	17	37	31		0		74	8
+ Textile and Leather	123	9	5	41		0		52	15
+ Not elsewhere specified (Industry)	763	49	23	129		122	1	411	28
+ Transport	19 240		18 117	383		457		283	
+ Rail	339		84					254	
+ Road	17 797		17 322	15		457		2	
+ International aviation	683		683						
+ Domestic aviation	25		25						
+ Domestic navigation	2		2						
+ Pipeline transport	395		1	368				26	
+ Not elsewhere specified (Transport)									
+ Other sectors	31 792	8 246	2 859	5 432		3 526	8	6 736	4 984
+ Commercial and public services	8 505	679	424	1 934		280	8	4 110	1 070
+ Residential	19 747	6 588	588	3 467		2 725		2 486	3 893
+ Agriculture / Forestry	3 540	979	1 847	31		521		140	21
+ Fishing									
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Poland	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	103 739	78 606	77 898	66 745	66 884	67 556	66 415	-1.70	-0.08
Solid fossil fuels	98 835	70 690	68 420	55 077	53 639	53 590	52 092	-2.43	-0.92
Crude oil & other hydrocarbons	175	690	889	731	932	923	1 002	+6.95	+5.41
Natural gas	2 378	3 313	3 884	3 693	3 726	3 683	3 553	+1.56	-0.64
Nuclear heat									
Renewable energies	1 580	3 808	4 549	6 847	8 072	8 837	9 026	+6.93	+4.71
Non-renewable wastes	772	104	156	398	515	523	742	-0.15	+10.95
<b>Net imports</b>	805	8 773	15 935	31 531	27 045	28 018	30 321	+14.98	-0.65
Solid fossil fuels	- 20 183	- 16 353	- 13 039	- 2 814	- 4 293	- 5 606	- 5 877	-4.63	+13.06
Crude oil & other hydrocarbons	12 908	17 616	17 897	22 938	22 976	26 195	24 317	+2.47	+0.98
Petroleum products	1 397	1 451	3 572	2 222	- 2 010	- 2 633	489	-3.96	-22.31
Natural gas	6 773	6 607	8 531	8 874	9 647	9 947	11 469	+2.05	+4.37
Renewable energies			- 65	427	538	143	- 249		
<b>Gross inland consumption</b>	103 314	88 648	92 223	100 680	94 326	95 626	99 930	-0.13	-0.12
Solid fossil fuels	78 812	56 291	54 612	54 608	49 238	48 256	49 079	-1.81	-1.76
Crude oil & petroleum products	13 259	19 036	21 693	25 714	22 373	24 129	26 535	+2.70	+0.52
Gas	8 981	9 964	12 237	12 807	13 405	13 776	14 633	+1.90	+2.25
Nuclear heat									
Renewable energies	1 580	3 802	4 487	7 269	8 609	8 970	8 769	+6.81	+3.18
Non-renewable wastes	772	103	156	398	515	523	742	-0.15	+10.95
<b>Transformation input</b>	82 917	69 514	69 858	75 968	74 659	77 862	76 966	-0.29	+0.22
Conventional thermal power stations	44 416	36 215	38 381	37 789	36 176	36 723	36 297	-0.77	-0.67
Nuclear power stations									
District heating plants	10 667	4 179	3 446	3 699	2 820	2 660	2 840	-4.96	-4.31
Coke-ovens	12 814	8 810	7 994	9 195	9 024	9 205	9 098	-1.31	-0.18
Blast-furnaces	1 504	996	721	675	770	795	728	-2.75	+1.28
Refineries	12 980	18 969	18 972	24 159	25 165	27 681	27 272	+2.90	+2.04
BKB / PB plants	54	10							
<b>Transformation output</b>	55 485	47 970	48 415	54 787	53 837	56 936	56 637	+0.08	+0.55
Conventional thermal power stations	21 566	16 829	18 409	18 030	16 991	17 492	17 536	-0.79	-0.46
Nuclear power stations									
District heating plants	7 534	3 437	2 780	3 105	2 403	2 264	2 467	-4.20	-3.76
Coke-ovens	11 513	7 752	7 549	8 838	8 525	8 710	8 643	-1.10	-0.37
Blast-furnaces	1 504	996	721	675	770	795	728	-2.75	+1.28
Refineries	12 971	18 945	18 956	24 140	25 146	27 674	27 261	+2.90	+2.05
BKB / PB plants	58	10							
<i>of which: electricity</i>	11 436	12 129	13 158	13 113	12 781	13 035	13 010	+0.50	-0.13
<i>of which: derived heat</i>	17 664	8 137	8 032	8 021	6 613	6 721	6 993	-3.50	-2.26
<b>Exchanges, transfers and returns</b>	- 28	- 3	- 19	- 8	17	40	31		
<b>Consumption of the energy branch</b>	6 753	6 943	5 957	6 469	5 903	6 469	6 383	-0.22	-0.22
<b>Distribution losses</b>	1 154	1 588	2 095	1 931	1 424	1 537	1 507	+1.03	-4.05
<b>Energy available for final consumption</b>	67 946	58 569	62 708	71 091	66 193	66 735	71 741	+0.21	+0.15
Solid fossil fuels	21 426	12 789	12 201	14 021	11 841	10 718	11 715	-2.30	-2.95
Gas/Diesel Oil (w/o bio)	5 024	7 346	9 493	12 700	11 411	12 172	14 113	+4.05	+1.77
Motor Gasoline (w/o bio)	3 302	5 363	4 241	4 252	3 552	3 658	3 865	+0.61	-1.58
Kerosene Type Jet Fuel	221	276	320	509	607	663	705	+4.56	+5.55
Naphtha	821	794	725	992	919	1 094	978	+0.68	-0.23
LPG	59	1 194	2 598	2 606	2 527	2 552	2 702	+15.82	+0.60
All other oil & petroleum products	1 669	2 476	2 724	2 713	2 275	2 540	2 654	+1.80	-0.36
Natural gas	7 785	8 158	9 926	10 384	10 441	10 473	11 281	+1.44	+1.39
Derived gases	2 171	1 251	819	537	596	487	462	-5.78	-2.48
Solid biomass & charcoal	1 100	3 504	3 755	4 303	4 438	4 599	4 851	+5.87	+2.02
Liquid biofuels			54	868	706	654	458		-10.11
All other renewable energies	9	21	52	75	162	185	231	+13.27	+20.74
Non-renewable wastes	521	76	136	378	495	486	637	+0.77	+9.07
Electricity	8 275	8 433	9 029	10 206	10 778	10 990	11 422	+1.25	+1.89
Derived heat	15 563	6 886	6 634	6 547	5 447	5 462	5 669	-3.81	-2.37
<b>Statistical difference</b>	3 780	- 999	- 335	- 196	- 532	- 1 261	- 517		
<b>Final non-energy consumption</b>	4 218	4 357	4 573	4 961	5 159	5 663	5 607	+1.10	+2.06
<b>Final energy consumption</b>	59 948	55 210	58 471	66 326	61 566	62 333	66 652	+0.41	+0.08
Industry	25 363	18 454	15 317	14 099	15 034	15 043	15 620	-1.85	+1.72
Transport	7 444	9 919	12 539	17 696	16 389	17 210	19 240	+3.72	+1.40
Road transport	6 069	9 007	11 471	16 558	15 063	15 847	17 797	+4.22	+1.21
Domestic & International aviation	229	277	323	513	611	668	708	+4.43	+5.52
Other sectors	27 141	26 838	30 614	34 531	30 143	30 079	31 792	+0.61	-1.37
Services	4 979	4 965	6 728	8 832	7 776	7 829	8 505	+2.08	-0.63
Residential	17 841	17 193	19 454	21 967	18 939	18 917	19 747	+0.39	-1.76

Source: Eurostat (nrg\_100a)



Portugal, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	5 998					5 823	174		
+ Primary production receipt									
+ Other sources (recovered products)	190		190						
+ Recycled products									
+ Imports	25 543	2 911	17 812	4 261		128	34	397	
+ Stock changes	141	- 65	162	39		6			
- Exports	7 977		6 808			336		834	
- Bunkers	630		630						
- Direct use									
<b>Gross inland consumption</b>	<b>23 264</b>	<b>2 846</b>	<b>10 726</b>	<b>4 300</b>		<b>5 622</b>	<b>208</b>	<b>- 437</b>	
<b>Transformation input</b>	<b>22 218</b>	<b>2 833</b>	<b>15 708</b>	<b>2 598</b>		<b>962</b>	<b>118</b>		
+ Conventional thermal power stations	6 527	2 833	253	2 378		946	118		
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	15 456		15 456						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	15					15			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	220			220					
<b>Transformation output</b>	<b>18 498</b>		<b>15 456</b>			<b>6</b>		<b>2 586</b>	<b>450</b>
+ Conventional thermal power stations	3 036							2 586	450
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	15 456		15 456						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	6					6			
<b>Exchanges, transfers and returns</b>	<b>- 8</b>		<b>- 8</b>			<b>- 2 495</b>		<b>2 495</b>	
<b>Consumption of the energy branch</b>	<b>1 873</b>		<b>1 296</b>	<b>100</b>				<b>239</b>	<b>239</b>
<b>Distribution losses</b>	<b>428</b>			<b>8</b>				<b>420</b>	
<b>Available for final consumption</b>	<b>17 235</b>	<b>13</b>	<b>9 170</b>	<b>1 593</b>		<b>2 171</b>	<b>90</b>	<b>3 986</b>	<b>211</b>
<b>Statistical difference</b>	<b>- 28</b>	<b>1</b>	<b>- 7</b>	<b>- 26</b>		<b>3</b>		<b>0</b>	
<b>Final non-energy consumption</b>	<b>1 149</b>		<b>1 149</b>						
<b>Final energy consumption</b>	<b>16 115</b>	<b>12</b>	<b>8 028</b>	<b>1 619</b>		<b>2 168</b>	<b>90</b>	<b>3 986</b>	<b>211</b>
+ Industry	4 332	12	610	1 115		1 020	90	1 297	188
+ Iron and Steel	187	7	3	48				129	
+ Chemical and Petrochemical	370		15	147		1	0	184	22
+ Non-ferrous metals	27		2	15				9	
+ Non-metallic minerals	1 022	5	281	417		72	90	148	8
+ Transport eEquipment	60		6	16				37	
+ Machinery	153		19	44		1		89	1
+ Mining and Quarrying	60		29	3		2		26	0
+ Food, Beverages and Tobacco	457		78	148		30		172	30
+ Paper, Pulp and Printing	1 367		66	113		864		243	80
+ Wood and Wood products	117		6	8		43		59	1
+ Construction	160		90	15		4		51	
+ Textile and Leather	290		11	134		4		107	34
+ Not elsewhere specified (Industry)	62		3	6		1	1	42	10
+ Transport	6 775		6 458	19		264		33	
+ Rail	42		9					33	
+ Road	5 334		5 052	19		263		0	
+ International aviation	1 149		1 149						
+ Domestic aviation	140		140						
+ Domestic navigation	109		107			2			
+ Pipeline transport	1							1	
+ Not elsewhere specified (Transport)									
+ Other sectors	5 008		960	485		884		2 656	24
+ Commercial and public services	1 938		163	230		64		1 459	23
+ Residential	2 621		428	251		815		1 126	1
+ Agriculture / Forestry	342		268	4		3		67	
+ Fishing	80		74	1		1		4	
+ Not elsewhere specified (Other)	28		27			1			

Source: Eurostat (nrg\_100a)

Portugal	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	3 393	3 846	3 615	5 800	5 981	5 304	5 998	+2.22	+0.56
Solid fossil fuels	115								
Crude oil & other hydrocarbons									
Natural gas									
Nuclear heat									
Renewable energies	3 277	3 759	3 475	5 642	5 835	5 182	5 823	+2.24	+0.53
Non-renewable wastes		87	140	159	146	122	174		+1.58
<b>Net imports</b>	15 834	22 072	24 845	18 588	16 145	18 300	17 566	+0.40	-0.94
Solid fossil fuels	2 990	3 914	3 225	1 629	2 597	3 208	2 911	-0.10	+10.16
Crude oil & other hydrocarbons	11 852	12 316	13 795	11 875	12 128	15 235	14 947	+0.90	+3.91
Petroleum products	988	3 723	3 346	561	- 1 836	- 4 230	- 3 943		
Natural gas		2 039	3 893	4 505	3 475	4 065	4 261		-0.92
Renewable energies				- 208	- 320	- 207	- 208		-0.07
<b>Gross inland consumption</b>	18 209	25 285	27 475	24 282	22 085	23 023	23 264	+0.95	-0.71
Solid fossil fuels	2 757	3 805	3 349	1 658	2 680	3 258	2 846	+0.12	+9.43
Crude oil & petroleum products	12 110	15 475	16 174	12 293	10 171	10 376	10 726	-0.47	-2.25
Gas	62	2 078	3 751	4 489	3 473	4 074	4 300	+17.73	-0.71
Nuclear heat									
Renewable energies	3 277	3 759	3 475	5 459	5 513	4 966	5 622	+2.10	+0.49
Non-renewable wastes		87	140	159	170	155	208		+4.61
<b>Transformation input</b>	16 274	19 523	21 867	17 941	18 672	22 355	22 218	+1.20	+3.63
Conventional thermal power stations	4 303	6 520	7 913	5 788	5 488	6 654	6 527	+1.62	+2.02
Nuclear power stations									
District heating plants									
Coke-ovens	219	345							
Blast-furnaces	39	46							
Refineries	11 638	12 555	13 953	12 153	12 933	15 443	15 456	+1.10	+4.09
BKB / PB plants									
<b>Transformation output</b>	13 561	15 791	17 691	15 060	15 484	18 516	18 498	+1.20	+3.49
Conventional thermal power stations	1 679	2 876	3 739	2 925	2 545	3 067	3 036	+2.30	+0.63
Nuclear power stations									
District heating plants									
Coke-ovens	195	316							
Blast-furnaces	39	46							
Refineries	11 649	12 553	13 952	12 136	12 933	15 443	15 456	+1.09	+4.11
BKB / PB plants									
<i>of which: electricity</i>	1 651	2 741	3 412	2 420	2 034	2 598	2 586	+1.74	+1.11
<i>of which: derived heat</i>	28	134	328	504	512	468	450	+11.22	-1.87
<b>Exchanges, transfers and returns</b>	- 2	10	15	0	0	- 8	- 8		
<b>Consumption of the energy branch</b>	657	1 028	1 235	1 195	1 269	1 413	1 873	+4.11	+7.78
<b>Distribution losses</b>	314	319	387	396	452	429	428	+1.20	+1.28
<b>Energy available for final consumption</b>	14 525	20 215	21 692	19 810	17 176	17 335	17 235	+0.66	-2.29
Solid fossil fuels	629	469	30	60	14	12	13	-13.77	-22.22
Gas/Diesel Oil (w/o bio)	2 503	4 825	5 652	5 194	4 406	4 514	4 598	+2.37	-2.01
Motor Gasoline (w/o bio)	1 477	2 188	1 925	1 462	1 133	1 092	1 082	-1.19	-4.88
Kerosene Type Jet Fuel	621	826	914	1 042	1 156	1 201	1 302	+2.89	+3.78
Naphtha	1 423	1 437	1 467	1 232	758	694	493	-4.00	-14.16
LPG	850	1 104	977	783	1 066	927	955	+0.45	+3.35
All other oil & petroleum products	2 545	2 614	2 509	1 264	729	869	740	-4.64	-8.54
Natural gas		802	1 345	1 565	1 539	1 606	1 593		+0.30
Derived gases	86	82							
Solid biomass & charcoal	2 327	2 414	2 505	2 151	1 771	1 749	1 798	-0.99	-2.94
Liquid biofuels			0	326	275	342	279		-2.56
All other renewable energies	11	19	23	49	87	90	94	+8.63	+11.47
Non-renewable wastes			34	55	86	56	90		+8.78
Electricity	2 024	3 299	3 983	4 290	3 886	3 939	3 986	+2.64	-1.22
Derived heat	28	134	328	338	270	244	211	+8.03	-7.52
<b>Statistical difference</b>	520	- 96	97	- 16	- 31	- 38	- 28		
<b>Final non-energy consumption</b>	2 109	2 392	2 587	1 728	1 437	1 335	1 149	-2.31	-6.58
<b>Final energy consumption</b>	11 897	17 919	19 009	18 099	15 770	16 038	16 115	+1.17	-1.92
Industry	4 714	6 322	5 796	5 453	4 406	4 451	4 332	-0.32	-3.76
Transport	3 781	6 636	7 188	7 303	6 441	6 613	6 775	+2.27	-1.24
Road transport	3 091	5 715	6 211	6 109	5 233	5 305	5 334	+2.12	-2.23
Domestic & International aviation	562	787	891	1 015	1 086	1 172	1 289	+3.24	+4.07
Other sectors	3 402	4 961	6 025	5 342	4 923	4 974	5 008	+1.50	-1.07
Services	602	1 396	2 195	1 883	1 901	1 960	1 938	+4.60	+0.48
Residential	2 286	2 804	3 224	2 969	2 566	2 539	2 621	+0.53	-2.06

Source: Eurostat (nrg\_100a)

Romania, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	25 044	4 235	3 940	7 784	2 911	6 096	78		
+ Primary production receipt									
+ Other sources (recovered products)	102		102						
+ Recycled products									
+ Imports	13 440	1 078	10 613	1 176		214		359	
+ Stock changes	55	17	- 0	49		- 12	1		
- Exports	6 208	1	5 311	1		105		791	
- Bunkers	31		31						
- Direct use									
<b>Gross inland consumption</b>	<b>32 402</b>	<b>5 330</b>	<b>9 312</b>	<b>9 008</b>	<b>2 911</b>	<b>6 193</b>	<b>80</b>	<b>- 431</b>	
<b>Transformation input</b>	<b>23 422</b>	<b>4 616</b>	<b>12 846</b>	<b>2 842</b>	<b>2 911</b>	<b>206</b>	<b>1</b>		
+ Conventional thermal power stations	7 258	4 374	245	2 483		156	0		
+ Nuclear power stations	2 911				2 911				
+ District heating plants	373	3	78	242		50	1		
+ Coke ovens									
+ Blast furnaces	239	239							
+ Gas works									
+ Refineries	12 521		12 521						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	120		3	117					
<b>Transformation output</b>	<b>17 874</b>		<b>12 521</b>	<b>239</b>				<b>3 281</b>	<b>1 833</b>
+ Conventional thermal power stations	3 813							2 310	1 502
+ Nuclear power stations	970							970	
+ District heating plants	331								331
+ Coke ovens									
+ Blast furnaces	239			239					
+ Gas works									
+ Refineries	12 521		12 521						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>- 4</b>		<b>- 4</b>			<b>- 2 273</b>		<b>2 273</b>	
<b>Consumption of the energy branch</b>	<b>2 432</b>	<b>29</b>	<b>780</b>	<b>592</b>		<b>10</b>		<b>764</b>	<b>257</b>
<b>Distribution losses</b>	<b>1 073</b>		<b>1</b>	<b>112</b>		<b>0</b>		<b>613</b>	<b>347</b>
<b>Available for final consumption</b>	<b>23 345</b>	<b>686</b>	<b>8 202</b>	<b>5 700</b>		<b>3 703</b>	<b>78</b>	<b>3 746</b>	<b>1 229</b>
<b>Statistical difference</b>	<b>- 78</b>	<b>- 108</b>	<b>- 25</b>	<b>62</b>		<b>19</b>		<b>27</b>	<b>- 54</b>
<b>Final non-energy consumption</b>	<b>1 143</b>	<b>1</b>	<b>867</b>	<b>276</b>					
<b>Final energy consumption</b>	<b>22 280</b>	<b>793</b>	<b>7 359</b>	<b>5 363</b>		<b>3 684</b>	<b>78</b>	<b>3 719</b>	<b>1 283</b>
+ Industry	6 318	726	913	2 243		298	73	1 790	275
+ Iron and Steel	1 742	604	5	645		0	1	485	2
+ Chemical and Petrochemical	1 252	32	220	526		4	16	259	194
+ Non-ferrous metals									
+ Non-metallic minerals	999	77	338	261		45	52	220	6
+ Transport eEquipment	212			83				119	10
+ Machinery	361		15	140		6	0	188	12
+ Mining and Quarrying	38		14	2		0		21	0
+ Food, Beverages and Tobacco	571	12	48	294		22	4	161	30
+ Paper, Pulp and Printing	137		1	74		2	1	57	3
+ Wood and Wood products	332		9	47		188		83	5
+ Construction	352	1	245	63		3	0	37	3
+ Textile and Leather	150		3	82		1	0	61	3
+ Not elsewhere specified (Industry)	174		14	27		28		99	6
+ Transport	6 029		5 680	1		257		90	
+ Rail	195		109			0		85	
+ Road	5 472		5 212			257		3	
+ International aviation	291		291						
+ Domestic aviation	28		28						
+ Domestic navigation	41		41						
+ Pipeline transport	3			1				2	
+ Not elsewhere specified (Transport)									
+ Other sectors	9 933	67	767	3 119		3 128	5	1 839	1 009
+ Commercial and public services	1 806	1	89	762		20	5	738	192
+ Residential	7 415	56	251	2 288		2 978		1 038	804
+ Agriculture / Forestry	453	9	293	68		5		64	13
+ Fishing	0			0				0	
+ Not elsewhere specified (Other)	259		134			125			

Source: Eurostat (nrg\_100a)

Romania	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	38 295	28 465	28 166	27 777	26 572	26 656	25 044	-1.62	-1.71
Solid fossil fuels	8 264	5 603	5 795	5 904	4 449	4 712	4 235	-2.54	-5.38
Crude oil & other hydrocarbons	5 537	6 355	6 168	4 518	4 188	4 148	3 940	-1.30	-2.26
Natural gas	22 911	10 968	9 701	8 619	8 766	8 785	7 784	-4.07	-1.68
Nuclear heat		1 407	1 433	2 998	3 012	3 003	2 911		-0.49
Renewable energies	1 583	4 040	4 984	5 708	6 090	5 935	6 096	+5.32	+1.10
Non-renewable wastes		91	85	30	68	74	78		+17.08
<b>Net imports</b>	19 907	7 989	10 840	7 827	5 499	5 541	7 232	-3.82	-1.31
Solid fossil fuels	4 705	1 920	2 939	1 234	998	1 030	1 077	-5.51	-2.24
Crude oil & other hydrocarbons	11 214	4 801	8 857	6 233	7 378	7 334	8 174	-1.21	+4.62
Petroleum products	- 2 754	- 1 384	- 4 897	- 1 395	- 2 765	- 2 444	- 2 872	+0.16	+12.79
Natural gas	5 928	2 712	4 190	1 816	465	161	1 175	-6.03	-6.99
Renewable energies	- 0			134	36	40	109		-3.41
<b>Gross inland consumption</b>	58 084	36 649	39 206	35 800	32 158	32 430	32 402	-2.22	-1.65
Solid fossil fuels	12 731	7 493	8 788	7 008	5 746	5 914	5 330	-3.29	-4.46
Crude oil & petroleum products	14 117	9 992	10 286	9 310	8 470	9 129	9 312	-1.59	+0.00
Gas	28 838	13 680	13 923	10 788	9 349	8 917	9 008	-4.38	-2.96
Nuclear heat		1 407	1 433	2 998	3 012	3 003	2 911		-0.49
Renewable energies	1 583	4 041	4 940	5 860	6 124	5 974	6 193	+5.39	+0.92
Non-renewable wastes		96	85	30	70	72	80		+17.34
<b>Transformation input</b>	43 397	26 904	29 767	23 880	23 061	23 329	23 422	-2.34	-0.32
Conventional thermal power stations	22 568	10 629	10 102	8 428	7 244	7 655	7 258	-4.27	-2.46
Nuclear power stations		1 407	1 433	2 998	3 012	3 003	2 911		-0.49
District heating plants		1 737	825	689	504	477	373		-9.70
Coke-ovens	3 109	1 474	1 595	2					
Blast-furnaces	908	406	593	223	213	244	239	-5.01	+1.12
Refineries	16 526	11 250	15 219	11 479	11 984	11 850	12 521	-1.06	+1.46
BKB / PB plants	272								
<b>Transformation output</b>	31 409	20 698	23 789	17 544	17 377	17 384	17 874	-2.15	+0.31
Conventional thermal power stations	10 713	5 791	5 284	4 357	3 850	3 975	3 813	-3.90	-2.20
Nuclear power stations		469	478	999	1 004	1 001	970		-0.49
District heating plants		1 492	659	487	325	315	331		-6.24
Coke-ovens	3 064	1 297	1 558	2					
Blast-furnaces	908	406	593	223	213	244	239	-5.01	+1.12
Refineries	16 348	11 244	15 218	11 476	11 984	11 850	12 521	-1.02	+1.46
BKB / PB plants	143								
<i>of which: electricity</i>	4 548	3 195	3 371	3 476	3 317	3 460	3 281	-1.25	-0.96
<i>of which: derived heat</i>	6 165	4 557	3 049	2 367	1 862	1 830	1 833	-4.56	-4.17
<b>Exchanges, transfers and returns</b>		304	2	- 29	- 4	- 3	- 4		
<b>Consumption of the energy branch</b>	3 052	4 105	4 475	3 241	2 643	2 347	2 432	-0.87	-4.67
<b>Distribution losses</b>	810	1 612	1 882	1 425	1 069	1 077	1 073	+1.09	-4.61
<b>Energy available for final consumption</b>	42 234	25 030	26 874	24 768	22 758	23 057	23 345	-2.25	-0.98
Solid fossil fuels	4 010	1 194	1 767	843	630	691	686	-6.57	-3.38
Gas/Diesel Oil (w/o bio)		2 688	2 927	4 060	4 348	4 661	4 893		+3.16
Motor Gasoline (w/o bio)	2 234	1 664	1 622	1 561	1 431	1 369	1 407	-1.76	-1.71
Kerosene Type Jet Fuel	233	141	128	147	190	171	202	-0.56	+5.36
Naphtha		602	405	23	- 50	- 11	80		+22.95
LPG	236	309	747	464	478	447	473	+2.70	+0.29
All other oil & petroleum products	2 976	1 429	1 679	1 382	847	1 398	1 147	-3.60	-3.05
Natural gas	19 854	7 280	8 313	6 779	6 149	5 600	5 541	-4.79	-3.30
Derived gases	1 273	434	572	172	174	169	159	-7.69	-1.30
Solid biomass & charcoal	589	2 735	3 159	3 920	3 442	3 325	3 413	+6.99	-2.28
Liquid biofuels				116	167	203	257		+14.18
All other renewable energies		7	17	24	26	25	33		+5.42
Non-renewable wastes		60	60	30	69	72	78		+17.26
Electricity	4 663	2 918	3 341	3 566	3 608	3 709	3 746	-0.84	+0.83
Derived heat	6 165	3 570	2 135	1 681	1 247	1 228	1 229	-6.01	-5.08
<b>Statistical difference</b>	630	376	- 307	704	- 484	39	- 78		
<b>Final non-energy consumption</b>	820	1 883	2 467	1 472	1 521	1 126	1 143	+1.29	-4.13
<b>Final energy consumption</b>	40 783	22 771	24 714	22 593	21 721	21 892	22 280	-2.30	-0.23
Industry	25 336	9 297	10 008	6 881	6 471	6 472	6 318	-5.20	-1.41
Transport	3 067	3 460	4 276	5 124	5 473	5 577	6 029	+2.63	+2.75
Road transport	2 276	2 732	3 849	4 514	5 005	5 058	5 472	+3.43	+3.26
Domestic & International aviation	233	133	137	277	231	272	319	+1.21	+2.33
Other sectors	12 380	10 014	10 431	10 588	9 777	9 844	9 933	-0.84	-1.06
Services	390	673	1 670	1 881	1 768	1 762	1 806	+6.07	-0.67
Residential	10 566	8 409	7 990	8 102	7 410	7 375	7 415	-1.35	-1.47

Source: Eurostat (nrg\_100a)

Slovenia, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	3 570	942		4	1 474	1 105	45		
+ Primary production receipt									
+ Other sources (recovered products)	2		2						
+ Recycled products									
+ Imports	6 231	197	4 595	701		19		719	
+ Stock changes	0	8	- 7			0			
- Exports	2 886		2 067					820	
- Bunkers	118		118						
- Direct use	2		2						
<b>Gross inland consumption</b>	<b>6 797</b>	<b>1 147</b>	<b>2 403</b>	<b>705</b>	<b>1 474</b>	<b>1 125</b>	<b>45</b>	<b>- 101</b>	
<b>Transformation input</b>	<b>2 768</b>	<b>1 096</b>	<b>6</b>	<b>101</b>	<b>1 474</b>	<b>83</b>	<b>9</b>		
+ Conventional thermal power stations	1 252	1 093	2	78		71	9		
+ Nuclear power stations	1 474				1 474				
+ District heating plants	41	3	4	22		12			
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>1 199</b>							<b>984</b>	<b>215</b>
+ Conventional thermal power stations	671							493	178
+ Nuclear power stations	491							491	
+ District heating plants	37								37
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>						<b>- 411</b>		<b>411</b>	
<b>Consumption of the energy branch</b>	<b>109</b>			<b>1</b>				<b>98</b>	<b>11</b>
<b>Distribution losses</b>	<b>105</b>							<b>75</b>	<b>30</b>
<b>Available for final consumption</b>	<b>5 014</b>	<b>51</b>	<b>2 397</b>	<b>604</b>		<b>631</b>	<b>36</b>	<b>1 120</b>	<b>175</b>
<b>Statistical difference</b>	<b>10</b>	<b>10</b>				<b>0</b>		<b>0</b>	
<b>Final non-energy consumption</b>	<b>128</b>	<b>6</b>	<b>117</b>	<b>5</b>					
<b>Final energy consumption</b>	<b>4 876</b>	<b>35</b>	<b>2 280</b>	<b>598</b>		<b>631</b>	<b>36</b>	<b>1 120</b>	<b>175</b>
+ Industry	1 242	35	94	415		73	36	536	51
+ Iron and Steel	150	5	1	75				68	1
+ Chemical and Petrochemical	163		5	47		22	2	58	29
+ Non-ferrous metals	160	1	7	35				116	1
+ Non-metallic minerals	177	10	29	74		0	35	30	0
+ Transport eEquipment	32		2	11		0		18	0
+ Machinery	140		12	35		2		85	7
+ Mining and Quarrying	17		2	3				11	
+ Food, Beverages and Tobacco	65		9	26		1		25	3
+ Paper, Pulp and Printing	167	19	2	76		10		59	1
+ Wood and Wood products	49		1			34		14	0
+ Construction	29		20	4		0		4	0
+ Textile and Leather	21		2	8		1		9	1
+ Not elsewhere specified (Industry)	73		2	22		3		40	6
+ Transport	1 904		1 869	3		18		14	
+ Rail	24		10					14	
+ Road	1 857		1 836	3		18			
+ International aviation	22		22						
+ Domestic aviation	1		1						
+ Domestic navigation									
+ Pipeline transport									
+ Not elsewhere specified (Transport)	1							1	
+ Other sectors	1 730		317	180		539		570	124
+ Commercial and public services	492		86	65		10		289	42
+ Residential	1 148		144	115		527		280	82
+ Agriculture / Forestry	73		70			3			
+ Fishing									
+ Not elsewhere specified (Other)	17		17						

Source: Eurostat (nrg\_100a)

Slovenia	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	3 056	3 085	3 492	3 776	3 664	3 387	3 570	+0.60	-0.93
Solid fossil fuels	1 350	1 062	1 184	1 196	818	862	942	-1.38	-3.90
Crude oil & other hydrocarbons	3	1							
Natural gas	20	6	3	6	3	3	4	-5.80	-5.48
Nuclear heat	1 192	1 228	1 518	1 459	1 643	1 457	1 474	+0.82	+0.17
Renewable energies	491	788	774	1 091	1 157	1 022	1 105	+3.17	+0.21
Non-renewable wastes		0	13	23	43	43	45		+11.52
<b>Net imports</b>	2 609	3 405	3 855	3 580	2 985	3 233	3 345	+0.96	-1.12
Solid fossil fuels	142	244	323	279	225	203	197	+1.28	-5.64
Crude oil & other hydrocarbons	569	152							
Petroleum products	1 230	2 303	2 634	2 596	2 327	2 342	2 529	+2.81	-0.44
Natural gas	723	820	925	857	623	662	701	-0.12	-3.30
Renewable energies	30			30	45	31	19	-1.67	-6.81
<b>Gross inland consumption</b>	5 714	6 451	7 325	7 337	6 653	6 568	6 797	+0.67	-1.27
Solid fossil fuels	1 574	1 305	1 539	1 453	1 047	1 067	1 147	-1.21	-3.87
Crude oil & petroleum products	1 749	2 419	2 581	2 600	2 327	2 289	2 403	+1.23	-1.31
Gas	763	826	929	863	626	664	705	-0.30	-3.31
Nuclear heat	1 192	1 228	1 518	1 459	1 643	1 457	1 474	+0.82	+0.17
Renewable energies	521	788	774	1 121	1 202	1 052	1 125	+3.01	+0.05
Non-renewable wastes		0	13	23	43	43	45		+11.52
<b>Transformation input</b>	3 311	2 780	3 115	3 077	2 838	2 671	2 768	-0.69	-1.75
Conventional thermal power stations	1 485	1 302	1 508	1 561	1 147	1 170	1 252	-0.65	-3.60
Nuclear power stations	1 192	1 228	1 518	1 459	1 643	1 457	1 474	+0.82	+0.17
District heating plants	65	80	89	57	49	44	41	-1.75	-5.36
Coke-ovens									
Blast-furnaces	8								
Refineries	559	171							
BKB / PB plants									
<b>Transformation output</b>	1 581	1 237	1 244	1 242	1 125	1 130	1 199	-1.06	-0.58
Conventional thermal power stations	562	586	666	705	534	606	671	+0.68	-0.82
Nuclear power stations	397	409	506	486	548	486	491	+0.82	+0.17
District heating plants	53	71	72	51	43	38	37	-1.37	-5.02
Coke-ovens									
Blast-furnaces	8								
Refineries	559	171							
BKB / PB plants									
<i>of which: electricity</i>	816	842	1 002	1 008	929	923	984	+0.72	-0.40
<i>of which: derived heat</i>	196	224	241	234	195	207	215	+0.35	-1.37
<b>Exchanges, transfers and returns</b>									
<b>Consumption of the energy branch</b>	147	112	104	118	112	109	109	-1.12	-1.19
<b>Distribution losses</b>	69	93	122	119	101	103	105	+1.66	-2.08
<b>Energy available for final consumption</b>	3 768	4 702	5 228	5 265	4 726	4 816	5 014	+1.10	-0.81
Solid fossil fuels	235	90	127	72	47	49	51	-5.70	-5.55
Gas/Diesel Oil (w/o bio)	794	1 174	1 506	1 710	1 582	1 582	1 708	+2.99	-0.02
Motor Gasoline (w/o bio)	606	865	702	604	452	442	438	-1.24	-5.23
Kerosene Type Jet Fuel	28	25	23	28	26	26	22	-0.92	-4.11
Naphtha	5	11							
LPG	36	101	98	93	81	90	88	+3.47	-1.00
All other oil & petroleum products	95	208	238	157	171	140	141	+1.53	-1.76
Natural gas	710	693	791	699	523	563	604	-0.62	-2.42
Derived gases	10								
Solid biomass & charcoal	263	434	438	576	491	538	556	+2.92	-0.58
Liquid biofuels				46	44	30	19		-13.89
All other renewable energies		1	1	36	48	51	56		+7.40
Non-renewable wastes			12	23	36	35	36		+8.06
Electricity	795	905	1 096	1 027	1 071	1 100	1 120	+1.33	+1.46
Derived heat	192	195	196	192	154	169	175	-0.36	-1.56
<b>Statistical difference</b>	20	7	22	20	- 4	5	10		
<b>Final non-energy consumption</b>	9	238	309	209	141	126	128	+10.55	-7.80
<b>Final energy consumption</b>	3 739	4 457	4 897	5 036	4 589	4 685	4 876	+1.03	-0.54
Industry	1 541	1 424	1 644	1 273	1 230	1 227	1 242	-0.83	-0.42
Transport	944	1 259	1 493	1 806	1 821	1 799	1 904	+2.74	+0.88
<i>Road transport</i>	888	1 199	1 440	1 753	1 769	1 746	1 857	+2.88	+0.96
<i>Domestic &amp; International aviation</i>	27	26	24	29	27	27	23	-0.60	-3.97
Other sectors	1 254	1 775	1 760	1 957	1 538	1 659	1 730	+1.24	-2.04
<i>Services</i>	294	527	475	533	427	454	492	+2.01	-1.30
<i>Residential</i>	952	1 127	1 188	1 326	1 017	1 111	1 148	+0.72	-2.38

Source: Eurostat (nrg\_100a)

Slovakia, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	6 198	452	10	77	3 858	1 603	198		
+ Primary production receipt									
+ Other sources (recovered products)	389		389						
+ Recycled products									
+ Imports	15 007	2 748	7 395	3 617		102	3	1 139	2
+ Stock changes	215	87	- 76	202		2	0		
- Exports	5 264	62	4 160			131		911	
- Bunkers									
- Direct use	34		34						
<b>Gross inland consumption</b>	<b>16 511</b>	<b>3 225</b>	<b>3 525</b>	<b>3 895</b>	<b>3 858</b>	<b>1 577</b>	<b>201</b>	<b>228</b>	<b>2</b>
<b>Transformation input</b>	<b>14 720</b>	<b>3 023</b>	<b>6 363</b>	<b>875</b>	<b>3 858</b>	<b>581</b>	<b>18</b>	<b>1</b>	
+ Conventional thermal power stations	2 121	895	229	471		510	17		
+ Nuclear power stations	3 858				3 858				
+ District heating plants	315	2	1	238		72	2	1	
+ Coke ovens	1 518	1 518							
+ Blast furnaces	609	609							
+ Gas works									
+ Refineries	6 133		6 133						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	166			166					
<b>Transformation output</b>	<b>10 981</b>	<b>1 166</b>	<b>6 131</b>	<b>903</b>				<b>1 885</b>	<b>896</b>
+ Conventional thermal power stations	1 188							614	574
+ Nuclear power stations	1 318							1 270	47
+ District heating plants	275								275
+ Coke ovens	1 460	1 166		294					
+ Blast furnaces	609			609					
+ Gas works									
+ Refineries	6 131		6 131						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>- 10</b>		<b>- 10</b>			<b>- 421</b>		<b>421</b>	
<b>Consumption of the energy branch</b>	<b>1 003</b>	<b>0</b>	<b>355</b>	<b>267</b>		<b>1</b>		<b>269</b>	<b>112</b>
<b>Distribution losses</b>	<b>336</b>	<b>1</b>		<b>104</b>				<b>115</b>	<b>117</b>
<b>Available for final consumption</b>	<b>11 422</b>	<b>1 367</b>	<b>2 929</b>	<b>3 552</b>		<b>574</b>	<b>182</b>	<b>2 148</b>	<b>670</b>
<b>Statistical difference</b>	<b>26</b>	<b>26</b>							
<b>Final non-energy consumption</b>	<b>978</b>	<b>49</b>	<b>587</b>	<b>342</b>					
<b>Final energy consumption</b>	<b>10 418</b>	<b>1 292</b>	<b>2 342</b>	<b>3 210</b>		<b>574</b>	<b>182</b>	<b>2 148</b>	<b>670</b>
+ Industry	4 450	1 204	115	1 443		342	180	1 039	128
+ Iron and Steel	2 132	1 137		793		3		198	
+ Chemical and Petrochemical	367		52	112			31	109	63
+ Non-ferrous metals	258	3		32				222	
+ Non-metallic minerals	464	53	50	140		0	148	65	8
+ Transport eEquipment	168	1	2	69		0		92	3
+ Machinery	219		2	88		4	1	125	
+ Mining and Quarrying	10	1	4	2		0		4	
+ Food, Beverages and Tobacco	136	9		76		0		46	5
+ Paper, Pulp and Printing	459		1	46		305		64	44
+ Wood and Wood products	40			5		21		13	1
+ Construction	30		4	18		1		6	1
+ Textile and Leather	27			14		0		11	1
+ Not elsewhere specified (Industry)	140			49		7		84	
+ Transport	2 480		2 146	142		140		52	
+ Rail	44							44	
+ Road	2 202		2 060			140		2	
+ International aviation	50		50						
+ Domestic aviation									
+ Domestic navigation									
+ Pipeline transport	135			135					
+ Not elsewhere specified (Transport)	49		36	7				6	
+ Other sectors	3 488	88	81	1 626		92	3	1 057	542
+ Commercial and public services	1 309	58	11	533		16	2	597	93
+ Residential	2 030	30	9	1 068		37		438	448
+ Agriculture / Forestry	148	0	61	25		39	1	22	1
+ Fishing									
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Slovakia	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	5 258	6 287	6 336	5 974	6 307	6 320	6 198	+0.63	+0.61
Solid fossil fuels	1 397	1 018	637	613	579	495	452	-4.25	-4.97
Crude oil & other hydrocarbons	83	64	35	15	12	12	10	-7.86	-7.10
Natural gas	338	133	126	88	84	78	77	-5.55	-2.35
Nuclear heat	3 105	4 255	4 626	3 819	4 041	3 954	3 858	+0.84	+0.17
Renewable energies	328	496	861	1 404	1 441	1 592	1 603	+6.29	+2.24
Non-renewable wastes	8	322	51	34	151	190	198	+13.32	+33.96
<b>Net imports</b>	16 882	11 997	12 428	11 263	9 856	9 642	9 743	-2.09	-2.39
Solid fossil fuels	6 108	3 432	3 739	2 951	2 850	2 773	2 686	-3.11	-1.55
Crude oil & other hydrocarbons	6 617	5 720	5 428	5 314	5 364	5 778	5 646	-0.61	+1.01
Petroleum products	- 1 642	- 2 630	- 2 155	- 2 015	- 2 384	- 2 788	- 2 410	+1.49	+3.03
Natural gas	5 353	5 707	5 735	5 003	3 954	3 687	3 617	-1.50	-5.26
Renewable energies			- 40	- 80	- 26	- 16	- 28		-15.88
<b>Gross inland consumption</b>	21 773	18 302	19 029	17 855	16 181	16 426	16 511	-1.06	-1.30
Solid fossil fuels	7 824	4 278	4 230	3 897	3 424	3 275	3 225	-3.35	-3.11
Crude oil & petroleum products	4 975	3 415	3 710	3 683	3 275	3 343	3 525	-1.32	-0.73
Gas	5 088	5 776	5 884	5 006	3 772	3 879	3 895	-1.02	-4.10
Nuclear heat	3 105	4 255	4 626	3 819	4 041	3 954	3 858	+0.84	+0.17
Renewable energies	328	488	809	1 325	1 420	1 576	1 577	+6.23	+2.94
Non-renewable wastes	8	322	50	35	152	191	201	+13.39	+33.69
<b>Transformation input</b>	16 377	15 553	16 638	15 005	14 421	15 066	14 720	-0.41	-0.32
Conventional thermal power stations	3 367	2 555	2 517	2 391	2 042	2 147	2 121	-1.76	-1.98
Nuclear power stations	3 105	4 255	4 626	3 819	4 041	3 954	3 858	+0.84	+0.17
District heating plants	265	674	718	497	294	326	315	+0.68	-7.31
Coke-ovens	1 970	1 534	1 649	1 504	1 436	1 517	1 518	-1.00	+0.16
Blast-furnaces	561	479	587	629	602	577	609	+0.31	-0.55
Refineries	7 055	5 959	6 397	6 001	5 826	6 367	6 133	-0.54	+0.36
BKB / PB plants									
<b>Transformation output</b>	12 412	11 026	12 171	11 169	10 571	11 196	10 981	-0.47	-0.28
Conventional thermal power stations	1 600	1 215	1 344	1 320	1 117	1 154	1 188	-1.14	-1.74
Nuclear power stations	1 035	1 418	1 578	1 313	1 376	1 349	1 318	+0.93	+0.06
District heating plants	197	498	630	435	259	286	275	+1.29	-7.34
Coke-ovens	1 952	1 449	1 637	1 471	1 392	1 464	1 460	-1.11	-0.12
Blast-furnaces	561	479	587	629	602	577	609	+0.31	-0.55
Refineries	7 067	5 967	6 396	6 000	5 826	6 366	6 131	-0.54	+0.36
BKB / PB plants									
<i>of which: electricity</i>	2 031	2 251	2 296	1 908	1 921	1 913	1 885	-0.29	-0.20
<i>of which: derived heat</i>	801	880	1 255	1 160	831	876	896	+0.43	-4.22
<b>Exchanges, transfers and returns</b>	- 6	- 9	5	4	1	- 10	- 10		
<b>Consumption of the energy branch</b>	981	757	1 401	1 089	1 075	1 020	1 003	+0.09	-1.35
<b>Distribution losses</b>	279	285	330	289	280	363	336	+0.72	+2.54
<b>Energy available for final consumption</b>	16 543	12 723	12 835	12 645	10 976	11 162	11 422	-1.41	-1.68
Solid fossil fuels	4 602	1 781	1 624	1 734	1 545	1 404	1 367	-4.56	-3.88
Gas/Diesel Oil (w/o bio)	1 305	855	1 128	1 544	1 424	1 367	1 537	+0.63	-0.07
Motor Gasoline (w/o bio)	453	612	672	601	555	578	610	+1.15	+0.27
Kerosene Type Jet Fuel		27	39	41	35	43	50		+3.08
Naphtha	358	521	420	406	269	214	250	-1.37	-7.76
LPG	35	33	163	109	113	130	126	+5.04	+2.53
All other oil & petroleum products	2 342	1 244	618	392	304	409	355	-7.00	-1.64
Natural gas	3 915	4 167	4 294	3 713	2 757	2 868	2 904	-1.14	-4.01
Derived gases	604	531	613	617	634	611	648	+0.27	+0.83
Solid biomass & charcoal	166	91	315	423	367	445	388	+3.31	-1.45
Liquid biofuels			11	98	134	144	145		+6.75
All other renewable energies			2	20	11	46	41		+13.12
Non-renewable wastes	8	229	20	21	141	174	182	+12.97	+43.36
Electricity	2 158	1 926	1 965	2 075	2 077	2 096	2 148	-0.02	+0.58
Derived heat	596	705	951	851	610	632	670	+0.45	-3.93
<b>Statistical difference</b>	- 306	378	- 4	46	64	38	26		
<b>Final non-energy consumption</b>	1 607	1 365	1 279	1 053	929	1 047	978	-1.89	-1.22
<b>Final energy consumption</b>	15 242	10 981	11 561	11 546	9 983	10 077	10 418	-1.45	-1.70
Industry	7 194	4 533	4 713	4 361	4 449	4 427	4 450	-1.83	+0.34
Transport	1 446	1 454	2 392	2 633	2 212	2 212	2 480	+2.10	-1.00
Road transport	1 345	1 345	1 689	2 147	2 004	1 990	2 202	+1.91	+0.42
Domestic & International aviation		27	52	41	35	43	50		+3.08
Other sectors	6 603	4 993	4 457	4 552	3 323	3 438	3 488	-2.42	-4.34
Services	3 658	2 200	1 751	2 106	1 234	1 300	1 309	-3.87	-7.61
Residential	2 232	2 586	2 540	2 312	1 952	1 988	2 030	-0.36	-2.14

Source: Eurostat (nrg\_100a)



Finland, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	17 563	720	71		5 985	10 516	270		
+ Primary production receipt									
+ Other sources (recovered products)	268		261	7					
+ Recycled products	16		16						
+ Imports	25 253	2 790	18 376	2 059		128		1 901	
+ Stock changes	1 290	1 085	205						
- Exports	9 457	70	9 083	0		32		272	
- Bunkers	284		284						
- Direct use	28		28						
<b>Gross inland consumption</b>	<b>34 620</b>	<b>4 525</b>	<b>9 533</b>	<b>2 066</b>	<b>5 985</b>	<b>10 613</b>	<b>270</b>	<b>1 630</b>	
<b>Transformation input</b>	<b>30 792</b>	<b>4 354</b>	<b>15 087</b>	<b>1 513</b>	<b>5 985</b>	<b>3 556</b>	<b>218</b>	<b>33</b>	<b>44</b>
+ Conventional thermal power stations	6 610	2 680	52	880		2 754	199		44
+ Nuclear power stations	5 985				5 985				
+ District heating plants	1 764	303	255	357		795	20	33	
+ Coke ovens	855	855							
+ Blast furnaces	367	367							
+ Gas works									
+ Refineries	14 780		14 780						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas	7					7			
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	424	148		276					
<b>Transformation output</b>	<b>24 935</b>	<b>635</b>	<b>14 774</b>	<b>554</b>				<b>4 282</b>	<b>4 689</b>
+ Conventional thermal power stations	5 268							2 287	2 982
+ Nuclear power stations	1 995							1 995	
+ District heating plants	1 707								1 707
+ Coke ovens	823	635		188					
+ Blast furnaces	367			367					
+ Gas works									
+ Refineries	14 774		14 774						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>28</b>		<b>28</b>			<b>- 1 624</b>		<b>1 624</b>	
<b>Consumption of the energy branch</b>	<b>1 329</b>		<b>643</b>	<b>185</b>		<b>45</b>		<b>325</b>	<b>131</b>
<b>Distribution losses</b>	<b>706</b>		<b>51</b>	<b>35</b>				<b>232</b>	<b>387</b>
<b>Available for final consumption</b>	<b>26 756</b>	<b>807</b>	<b>8 552</b>	<b>887</b>		<b>5 388</b>	<b>51</b>	<b>6 944</b>	<b>4 127</b>
<b>Statistical difference</b>	<b>- 58</b>	<b>104</b>	<b>- 167</b>	<b>11</b>		<b>- 0</b>		<b>- 6</b>	<b>0</b>
<b>Final non-energy consumption</b>	<b>1 565</b>		<b>1 534</b>	<b>31</b>					
<b>Final energy consumption</b>	<b>25 249</b>	<b>703</b>	<b>7 186</b>	<b>845</b>		<b>5 388</b>	<b>51</b>	<b>6 950</b>	<b>4 127</b>
+ Industry	11 040	649	1 268	780		3 670	51	3 312	1 311
+ Iron and Steel	1 239	382	108	273		0		380	96
+ Chemical and Petrochemical	1 041		304	24		7	11	431	264
+ Non-ferrous metals	251	6	33	1			0	159	52
+ Non-metallic minerals	309	42	91	57		27	18	61	12
+ Transport eEquipment	67		11	0		0		30	25
+ Machinery	308		35	6		0		174	92
+ Mining and Quarrying	201		36			1		161	3
+ Food, Beverages and Tobacco	410	13	41	16		5		147	189
+ Paper, Pulp and Printing	6 060	204	146	388		3 398	20	1 544	360
+ Wood and Wood products	516	1	11	0		227	0	112	164
+ Construction	387		351					36	
+ Textile and Leather	23		2	4		0		11	7
+ Not elsewhere specified (Industry)	227		98	10		4	2	67	46
+ Transport	4 956		4 710	8		177		61	
+ Rail	82		22					60	
+ Road	4 042		3 862	4		175		1	
+ International aviation	642		642						
+ Domestic aviation	61		61						
+ Domestic navigation	125		124			1			
+ Pipeline transport	3			3					
+ Not elsewhere specified (Transport)	1			1					
+ Other sectors	9 252	53	1 208	56		1 542		3 577	2 816
+ Commercial and public services	2 861	2	253	28		86		1 506	986
+ Residential	5 292	5	338	27		1 302		1 936	1 685
+ Agriculture / Forestry	687	47	342	1		150		136	13
+ Fishing	31		31						
+ Not elsewhere specified (Other)	381		245			4			132

Source: Eurostat (nrg\_100a)

Finland	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	12 031	14 805	16 561	17 336	18 105	17 538	17 563	+1.47	+0.22
Solid fossil fuels	1 811	1 089	2 138	1 808	1 603	837	720	-3.48	-14.22
Crude oil & other hydrocarbons		102	150	68	66	71	71		+0.73
Natural gas									
Nuclear heat	4 957	5 799	6 003	5 881	6 083	5 996	5 985	+0.73	+0.29
Renewable energies	5 255	7 751	8 164	9 433	10 118	10 394	10 516	+2.70	+1.83
Non-renewable wastes	7	66	106	146	235	239	270	+14.77	+10.74
<b>Net imports</b>	17 986	18 221	18 953	17 838	17 076	15 913	15 796	-0.50	-2.01
Solid fossil fuels	4 378	3 510	3 307	3 946	3 612	2 505	2 720	-1.81	-6.01
Crude oil & other hydrocarbons	8 878	11 784	10 713	11 206	12 075	11 087	12 325	+1.27	+1.60
Petroleum products	1 632	- 1 525	- 59	- 1 974	- 2 862	- 1 414	- 3 033		+7.42
Natural gas	2 183	3 430	3 607	3 837	2 513	2 236	2 059	-0.22	-9.86
Renewable energies			- 78	- 81	193	94	96		
<b>Gross inland consumption</b>	28 843	32 409	34 503	37 105	34 789	33 279	34 620	+0.70	-1.15
Solid fossil fuels	5 310	5 093	4 904	6 868	4 491	4 076	4 525	-0.61	-6.72
Crude oil & petroleum products	9 976	9 249	10 334	10 117	9 618	8 832	9 533	-0.17	-0.99
Gas	2 187	3 430	3 607	3 837	2 516	2 243	2 066	-0.22	-9.81
Nuclear heat	4 957	5 799	6 003	5 881	6 083	5 996	5 985	+0.73	+0.29
Renewable energies	5 490	7 751	8 086	9 352	10 301	10 488	10 613	+2.57	+2.13
Non-renewable wastes	7	66	106	146	235	239	270	+14.77	+10.74
<b>Transformation input</b>	22 333	28 348	29 380	33 542	30 981	28 653	30 792	+1.24	-1.42
Conventional thermal power stations	5 261	7 176	7 793	10 254	7 241	6 354	6 610	+0.88	-7.06
Nuclear power stations	4 957	5 799	6 003	5 881	6 083	5 996	5 985	+0.73	+0.29
District heating plants	671	1 078	1 273	1 613	1 550	1 462	1 764	+3.79	+1.50
Coke-ovens	448	899	893	836	867	857	855	+2.52	+0.37
Blast-furnaces	279	406	430	351	343	360	367	+1.06	+0.70
Refineries	10 693	12 882	12 876	14 265	14 531	13 214	14 780	+1.25	+0.59
BKB / PB plants				10	4				
<b>Transformation output</b>	17 217	22 457	23 269	26 219	24 712	22 883	24 935	+1.43	-0.83
Conventional thermal power stations	3 560	5 411	5 944	7 375	5 490	5 056	5 268	+1.52	-5.45
Nuclear power stations	1 652	1 933	2 001	1 960	2 028	1 999	1 995	+0.73	+0.29
District heating plants	604	999	1 203	1 497	1 491	1 437	1 707	+4.08	+2.21
Coke-ovens	434	833	822	765	829	822	823	+2.49	+1.23
Blast-furnaces	279	406	430	351	343	360	367	+1.06	+0.70
Refineries	10 689	12 874	12 869	14 258	14 526	13 210	14 774	+1.25	+0.59
BKB / PB plants				12	4				
<i>of which: electricity</i>	3 742	4 747	4 866	5 793	4 599	4 249	4 282	+0.52	-4.91
<i>of which: derived heat</i>	2 074	3 597	4 282	5 039	4 409	4 242	4 689	+3.19	-1.19
<b>Exchanges, transfers and returns</b>	4	- 27	- 40	- 32	- 21	13	28		
<b>Consumption of the energy branch</b>	1 000	1 168	1 208	1 526	1 386	1 305	1 329	+1.10	-2.27
<b>Distribution losses</b>	402	567	707	724	705	659	706	+2.19	-0.42
<b>Energy available for final consumption</b>	22 330	24 755	26 436	27 499	26 409	25 557	26 756	+0.70	-0.46
Solid fossil fuels	1 651	1 002	937	813	538	760	807	-2.72	-0.13
Gas/Diesel Oil (w/o bio)	3 640	3 613	4 219	4 376	3 727	3 736	3 777	+0.14	-2.42
Motor Gasoline (w/o bio)	2 331	2 099	2 107	1 826	1 813	1 613	1 843	-0.90	+0.15
Kerosene Type Jet Fuel	450	510	638	775	804	885	906	+2.73	+2.64
Naphtha	346	291	370	481	184	258	177	-2.55	-15.38
LPG	220	211	307	415	535	1 083	1 115	+6.45	+17.91
All other oil & petroleum products	1 947	1 519	1 657	1 029	1 650	344	736	-3.67	-5.44
Natural gas	964	927	844	827	679	631	638	-1.58	-4.24
Derived gases	276	299	261	239	202	239	249	-0.39	+0.69
Solid biomass & charcoal	3 522	4 447	4 200	4 662	4 845	4 820	5 137	+1.46	+1.63
Liquid biofuels				244	530	501	182		-4.76
All other renewable energies	0	32	35	50	66	62	68	+22.07	+5.44
Non-renewable wastes		21	32	35	55	49	51		+6.29
Electricity	5 068	6 505	6 955	7 173	6 797	6 741	6 944	+1.22	-0.54
Derived heat	1 915	3 279	3 872	4 554	3 983	3 834	4 127	+3.00	-1.63
<b>Statistical difference</b>	- 757	- 597	98	28	699	- 202	- 58		
<b>Final non-energy consumption</b>	1 436	1 036	1 153	1 224	1 199	1 512	1 565	+0.33	+4.18
<b>Final energy consumption</b>	21 650	24 316	25 185	26 247	24 511	24 248	25 249	+0.59	-0.64
Industry	9 486	12 204	11 876	11 340	10 698	10 752	11 040	+0.59	-0.45
Transport	4 333	4 275	4 645	4 843	4 758	4 787	4 956	+0.52	+0.39
Road transport	3 653	3 536	3 849	3 952	3 843	3 868	4 042	+0.39	+0.37
Domestic & International aviation	463	471	526	619	688	701	703	+1.62	+2.14
Other sectors	7 831	7 837	8 663	10 064	9 055	8 708	9 252	+0.64	-1.39
Services	894	2 324	2 618	3 078	2 869	2 714	2 861	+4.57	-1.21
Residential	5 345	4 490	5 020	5 814	5 070	4 898	5 292	-0.04	-1.56

Source: Eurostat (nrg\_100a)

Sweden, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	34 565	127			16 277	17 376	786		
+ Primary production receipt									
+ Other sources (recovered products)	156		149	7					
+ Recycled products									
+ Imports	35 956	2 244	30 501	818		1 165		1 228	
+ Stock changes	275	- 300	580			- 5			
- Exports	19 583	19	17 073			253		2 237	
- Bunkers	1 989		1 989						
- Direct use	149		149						
<b>Gross inland consumption</b>	<b>49 231</b>	<b>2 051</b>	<b>12 018</b>	<b>825</b>	<b>16 277</b>	<b>18 283</b>	<b>786</b>	<b>- 1 009</b>	
<b>Transformation input</b>	<b>45 408</b>	<b>1 716</b>	<b>21 001</b>	<b>465</b>	<b>16 277</b>	<b>4 957</b>	<b>786</b>	<b>205</b>	
+ Conventional thermal power stations	5 542	242	118	437		4 018	726		
+ Nuclear power stations	16 277				16 277				
+ District heating plants	1 296	25	46	21		939	60	205	
+ Coke ovens	1 097	1 097							
+ Blast furnaces	352	352							
+ Gas works	7			7					
+ Refineries	20 837		20 837						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>33 515</b>	<b>797</b>	<b>20 821</b>	<b>549</b>				<b>6 728</b>	<b>4 620</b>
+ Conventional thermal power stations	4 689							1 303	3 386
+ Nuclear power stations	5 426							5 426	
+ District heating plants	1 234								1 234
+ Coke ovens	994	797		196					
+ Blast furnaces	352			352					
+ Gas works									
+ Refineries	20 821		20 821						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>189</b>		<b>189</b>			<b>- 6 676</b>		<b>6 676</b>	
<b>Consumption of the energy branch</b>	<b>1 645</b>		<b>951</b>	<b>106</b>		<b>16</b>		<b>572</b>	
<b>Distribution losses</b>	<b>904</b>			<b>58</b>				<b>656</b>	<b>190</b>
<b>Available for final consumption</b>	<b>34 979</b>	<b>1 132</b>	<b>11 076</b>	<b>745</b>		<b>6 634</b>		<b>10 963</b>	<b>4 430</b>
<b>Statistical difference</b>	<b>210</b>	<b>71</b>	<b>238</b>	<b>5</b>		<b>- 104</b>			
<b>Final non-energy consumption</b>	<b>2 178</b>	<b>14</b>	<b>2 068</b>	<b>96</b>					
<b>Final energy consumption</b>	<b>32 591</b>	<b>1 046</b>	<b>8 769</b>	<b>644</b>		<b>6 738</b>		<b>10 963</b>	<b>4 430</b>
+ Industry	11 431	1 046	818	472		4 269		4 324	501
+ Iron and Steel	1 520	750	196	197				377	
+ Chemical and Petrochemical	616	2	101	106		10		396	
+ Non-ferrous metals	324	31	34	7				252	
+ Non-metallic minerals	325	147	55	38				85	
+ Transport eEquipment	206	7	25	8				167	
+ Machinery	335		40	13				282	
+ Mining and Quarrying	528	99	109	9				311	
+ Food, Beverages and Tobacco	370	4	55	82		22		207	
+ Paper, Pulp and Printing	5 731	7	157	8		3 828		1 732	
+ Wood and Wood products	578		34	0		383		161	
+ Construction	115							115	
+ Textile and Leather	25		4	2		1		18	
+ Not elsewhere specified (Industry)	760		9	2		25		222	501
+ Transport	9 051		7 488	33		1 301		229	
+ Rail	231		2					229	
+ Road	7 771		6 438	33		1 301			
+ International aviation	822		822						
+ Domestic aviation	178		178						
+ Domestic navigation	49		49						
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	12 109		463	139		1 168		6 410	3 929
+ Commercial and public services	4 303		353	98		66		2 471	1 315
+ Residential	7 462		23	33		972		3 828	2 606
+ Agriculture / Forestry	329		73	8		130		111	7
+ Fishing	14		14						
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Sweden	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	29 504	30 012	34 090	32 494	34 043	33 589	34 565	+0.61	+1.04
Solid fossil fuels	167	162	211	238	134	110	127	-1.06	-9.98
Crude oil & other hydrocarbons	3								
Natural gas									
Nuclear heat	17 589	14 785	18 670	14 917	16 735	14 535	16 277	-0.30	+1.47
Renewable energies	11 530	14 741	14 727	16 824	16 581	18 320	17 376	+1.59	+0.54
Non-renewable wastes	215	324	482	515	592	623	786	+5.12	+7.29
<b>Net imports</b>	18 354	20 436	19 578	19 479	16 068	14 223	16 373	-0.44	-2.85
Solid fossil fuels	2 641	2 409	2 556	2 548	1 991	1 954	2 225	-0.66	-2.24
Crude oil & other hydrocarbons	17 151	21 606	19 369	19 139	18 045	19 109	18 496	+0.29	-0.57
Petroleum products	- 1 862	- 4 757	- 2 671	- 4 038	- 4 102	- 6 429	- 5 069	+3.93	+3.86
Natural gas	577	776	843	1 466	794	724	818	+1.35	-9.26
Renewable energies			118	185	684	810	912		+30.48
<b>Gross inland consumption</b>	47 440	48 898	51 020	50 788	48 211	45 561	49 231	+0.14	-0.52
Solid fossil fuels	2 973	2 452	2 629	2 492	2 103	2 116	2 051	-1.42	-3.19
Crude oil & petroleum products	14 671	15 377	14 136	14 199	12 023	10 404	12 018	-0.76	-2.74
Gas	615	816	886	1 484	801	730	825	+1.14	-9.32
Nuclear heat	17 589	14 785	18 670	14 917	16 735	14 535	16 277	-0.30	+1.47
Renewable energies	11 530	14 741	14 852	17 002	17 299	19 094	18 283	+1.79	+1.22
Non-renewable wastes	215	324	482	515	592	623	786	+5.12	+7.29
<b>Transformation input</b>	39 956	44 243	46 581	45 858	44 616	43 458	45 408	+0.49	-0.16
Conventional thermal power stations	1 540	3 263	4 473	6 448	5 063	5 139	5 542	+5.05	-2.49
Nuclear power stations	17 589	14 785	18 670	14 917	16 735	14 535	16 277	-0.30	+1.47
District heating plants	1 124	1 564	1 525	1 735	1 201	1 198	1 296	+0.55	-4.75
Coke-ovens	1 118	1 293	1 352	1 348	1 044	1 133	1 097	-0.07	-3.37
Blast-furnaces	314	385	436	353	333	319	352	+0.44	-0.04
Refineries	18 230	22 901	20 082	21 038	20 232	21 128	20 837	+0.52	-0.16
BKB / PB plants									
<b>Transformation output</b>	27 658	33 764	33 259	34 488	32 537	32 860	33 515	+0.74	-0.48
Conventional thermal power stations	1 333	2 883	3 742	5 414	4 240	4 351	4 689	+4.96	-2.37
Nuclear power stations	5 863	4 928	6 223	4 972	5 578	4 845	5 426	-0.30	+1.47
District heating plants	988	1 652	1 636	1 724	1 229	1 227	1 234	+0.86	-5.42
Coke-ovens	929	988	1 161	998	935	1 004	994	+0.26	-0.07
Blast-furnaces	314	385	436	353	333	319	352	+0.44	-0.04
Refineries	18 230	22 928	20 061	21 027	20 221	21 115	20 821	+0.51	-0.16
BKB / PB plants									
of which: electricity	6 318	5 691	7 276	6 754	6 751	6 041	6 728	+0.24	-0.06
of which: derived heat	1 866	3 772	4 325	5 356	4 297	4 382	4 620	+3.55	-2.43
<b>Exchanges, transfers and returns</b>	57	150	72	146	151	178	189		
<b>Consumption of the energy branch</b>	1 757	1 141	1 326	1 469	1 663	1 632	1 645	-0.25	+1.90
<b>Distribution losses</b>	1 020	1 222	1 189	1 192	791	756	904	-0.46	-4.51
<b>Energy available for final consumption</b>	32 422	36 206	35 255	36 904	33 829	32 753	34 979	+0.29	-0.89
Solid fossil fuels	1 315	1 016	1 242	989	1 122	1 147	1 132	-0.57	+2.27
Gas/Diesel Oil (w/o bio)	4 773	5 186	4 602	5 503	5 034	4 496	5 646	+0.65	+0.43
Motor Gasoline (w/o bio)	4 500	4 218	4 201	3 667	2 933	2 590	2 707	-1.94	-4.93
Kerosene Type Jet Fuel	653	710	859	824	934	921	1 029	+1.76	+3.78
Naphtha	963	1 571	615	574	354	252	251	-5.04	-12.86
LPG	857	884	951	992	1 054	1 040	1 249	+1.46	+3.92
All other oil & petroleum products	2 043	1 968	1 767	1 365	774	193	194	-8.66	-27.77
Natural gas	370	511	611	734	594	530	552	+1.55	-4.62
Derived gases	252	229	255	139	192	185	192	-1.04	+5.51
Solid biomass & charcoal	4 631	5 289	4 574	5 211	5 186	5 371	5 376	+0.58	+0.52
Liquid biofuels			161	385	835	946	1 098		+19.06
All other renewable energies	3	5	6	97	136	153	160	+16.27	+8.65
Non-renewable wastes	5								
Electricity	10 352	11 068	11 238	11 282	10 507	10 736	10 963	+0.22	-0.48
Derived heat	1 706	3 550	4 174	5 141	4 174	4 193	4 430	+3.74	-2.45
<b>Statistical difference</b>	- 671	- 498	- 714	714	664	- 731	210		
<b>Final non-energy consumption</b>	1 932	1 731	2 293	2 112	1 970	1 774	2 178	+0.46	+0.51
<b>Final energy consumption</b>	31 160	34 973	33 676	34 077	31 195	31 710	32 591	+0.17	-0.74
Industry	12 345	14 267	12 631	12 205	11 236	11 527	11 431	-0.30	-1.09
Transport	7 378	8 192	8 626	8 595	8 539	8 613	9 051	+0.79	+0.86
Road transport	6 187	6 803	7 387	7 357	7 422	7 450	7 771	+0.88	+0.92
Domestic & International aviation	764	934	850	843	813	872	999	+1.04	+2.87
Other sectors	11 437	12 514	12 419	13 277	11 419	11 570	12 109	+0.22	-1.52
Services	4 010	4 405	4 297	4 550	4 039	4 005	4 303	+0.27	-0.93
Residential	6 552	7 300	7 305	8 035	7 018	7 197	7 462	+0.50	-1.23

Source: Eurostat (nrg\_100a)

United Kingdom, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	119 605	2 501	49 016	35 810	18 502	12 429	1 346		
+ Primary production receipt									
+ Other sources (recovered products)	148			148					
+ Recycled products									
+ Imports	138 214	6 312	86 246	40 756		3 206		1 694	
+ Stock changes	4 530	3 283	- 38	1 257		29			
- Exports	70 393	332	61 156	8 418		301		185	
- Bunkers	2 665		2 665						
- Direct use									
<b>Gross inland consumption</b>	<b>189 440</b>	<b>11 763</b>	<b>71 404</b>	<b>69 554</b>	<b>18 502</b>	<b>15 362</b>	<b>1 346</b>	<b>1 509</b>	
<b>Transformation input</b>	<b>124 176</b>	<b>9 621</b>	<b>62 443</b>	<b>25 695</b>	<b>18 502</b>	<b>6 690</b>	<b>1 225</b>		
+ Conventional thermal power stations	38 731	7 163	244	23 599		6 527	1 198		
+ Nuclear power stations	18 502				18 502				
+ District heating plants	2 312	134	57	2 069		25	27		
+ Coke ovens	1 342	1 315		27					
+ Blast furnaces	868	868							
+ Gas works									
+ Refineries	62 065		62 065						
+ Patent fuel plants	218	141	77						
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas	139					139			
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>90 089</b>	<b>1 136</b>	<b>62 053</b>	<b>1 136</b>				<b>24 356</b>	<b>1 409</b>
+ Conventional thermal power stations	18 188							18 188	
+ Nuclear power stations	6 167							6 167	
+ District heating plants	1 409								1 409
+ Coke ovens	1 233	964		268					
+ Blast furnaces	868			868					
+ Gas works									
+ Refineries	62 053		62 053						
+ Patent fuel plants	171	171							
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>- 17</b>		<b>- 17</b>			<b>- 4 573</b>		<b>4 573</b>	
<b>Consumption of the energy branch</b>	<b>11 109</b>		<b>4 204</b>	<b>4 606</b>				<b>2 026</b>	<b>273</b>
<b>Distribution losses</b>	<b>2 792</b>			<b>512</b>				<b>2 280</b>	
<b>Available for final consumption</b>	<b>141 435</b>		<b>3 278</b>	<b>66 793</b>	<b>39 877</b>	<b>4 099</b>	<b>121</b>	<b>26 131</b>	<b>1 136</b>
<b>Statistical difference</b>	<b>- 35</b>	<b>- 168</b>	<b>45</b>	<b>89</b>		<b>- 0</b>	<b>0</b>	<b>- 0</b>	
<b>Final non-energy consumption</b>	<b>7 781</b>	<b>47</b>	<b>7 339</b>	<b>395</b>					
<b>Final energy consumption</b>	<b>133 689</b>	<b>3 399</b>	<b>59 409</b>	<b>39 393</b>		<b>4 099</b>	<b>121</b>	<b>26 131</b>	<b>1 136</b>
+ Industry	24 253	2 809	3 848	7 936		1 061	85	7 903	610
+ Iron and Steel	2 734	1 811	4	674				245	
+ Chemical and Petrochemical	3 222	42	110	1 518		22		1 328	202
+ Non-ferrous metals	527	11		145				370	
+ Non-metallic minerals	2 275	513	181	906		158		517	
+ Transport eEquipment	1 330	33	190	705				402	
+ Machinery	1 783	10		734		1	1	1 038	
+ Mining and Quarrying	9							9	
+ Food, Beverages and Tobacco	2 652	28	131	1 534		38		923	
+ Paper, Pulp and Printing	2 082	82	30	645		415		911	
+ Wood and Wood products	212		27	43		96		45	
+ Construction	551	3	183	250				115	
+ Textile and Leather	632	43	42	320				227	
+ Not elsewhere specified (Industry)	6 243	232	2 952	463		331	85	1 772	408
+ Transport	52 601	11	51 243			946		401	
+ Rail	993	11	592					390	
+ Road	39 059		38 102			946		11	
+ International aviation	11 163		11 163						
+ Domestic aviation	840		840						
+ Domestic navigation	546		546						
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	56 834	580	4 318	31 457		2 092	35	17 826	526
+ Commercial and public services	16 522	18	1 171	6 478		185	35	8 162	474
+ Residential	38 054	557	2 392	24 096		1 673		9 284	52
+ Agriculture / Forestry	997		405	73		234		285	
+ Fishing	166		71					95	
+ Not elsewhere specified (Other)	1 095	5	281	810					

Source: Eurostat (nrg\_100a)

United Kingdom	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	205 092	268 189	203 994	146 842	107 085	117 810	119 605	-2.05	-3.36
Solid fossil fuels	52 619	18 301	11 779	10 528	6 924	5 115	2 501	-11.06	-21.30
Crude oil & other hydrocarbons	93 501	127 938	87 622	64 261	40 826	46 728	49 016	-2.45	-4.41
Natural gas	40 925	97 554	79 397	49 786	32 185	34 962	35 810	-0.51	-5.34
Nuclear heat	16 960	21 942	21 054	16 029	16 444	18 146	18 502	+0.34	+2.42
Renewable energies	1 029	2 264	3 486	5 777	9 850	11 852	12 429	+10.06	+13.62
Non-renewable wastes	58	189	656	461	855	1 007	1 346	+12.87	+19.57
<b>Net imports</b>	5 016	- 39 220	31 610	62 433	88 733	72 582	67 821	+10.53	+1.39
Solid fossil fuels	8 537	14 454	27 240	16 056	26 461	14 561	5 979	-1.36	-15.18
Crude oil & other hydrocarbons	- 4 503	- 39 093	4 559	12 990	23 197	17 373	14 178		+1.47
Petroleum products	- 6 222	- 6 489	- 7 296	- 2 313	6 830	9 484	10 912		
Natural gas	6 178	- 9 311	5 973	33 901	27 939	26 470	32 338	+6.57	-0.78
Renewable energies			418	1 569	2 542	2 894	2 905		+10.80
<b>Gross inland consumption</b>	210 639	230 560	234 172	212 780	189 666	191 900	189 440	-0.41	-1.92
Solid fossil fuels	63 114	36 516	37 906	30 918	30 158	23 829	11 763	-6.26	-14.88
Crude oil & petroleum products	81 246	81 031	84 463	72 980	68 145	70 581	71 404	-0.50	-0.36
Gas	47 206	87 399	85 473	84 817	59 950	61 780	69 554	+1.50	-3.25
Nuclear heat	16 960	21 942	21 054	16 029	16 444	18 146	18 502	+0.34	+2.42
Renewable energies	1 029	2 264	3 905	7 347	12 349	14 758	15 362	+10.96	+13.08
Non-renewable wastes	58	189	656	461	855	1 007	1 346	+12.87	+19.57
<b>Transformation input</b>	173 594	177 780	178 989	157 258	133 148	129 709	124 176	-1.28	-3.86
Conventional thermal power stations	56 819	56 099	61 714	58 539	46 624	42 035	38 731	-1.46	-6.65
Nuclear power stations	16 960	21 942	21 054	16 029	16 444	18 146	18 502	+0.34	+2.42
District heating plants		3 202	2 136	2 283	2 307	2 258	2 312		+0.21
Coke-ovens	7 325	5 861	4 111	3 955	3 606	2 685	1 342	-6.32	-16.49
Blast-furnaces	1 505	1 526	1 393	981	1 323	1 215	868	-2.10	-2.02
Refineries	90 436	88 821	88 413	75 226	62 597	63 085	62 065	-1.44	-3.15
BKB / PB plants									
<b>Transformation output</b>	126 079	130 202	128 512	112 726	94 018	92 606	90 089	-1.28	-3.67
Conventional thermal power stations	21 220	24 358	26 309	26 041	19 739	18 201	18 188	-0.59	-5.81
Nuclear power stations	5 653	7 314	7 018	5 343	5 481	6 049	6 167	+0.34	+2.42
District heating plants		2 439	1 366	1 361	1 440	1 412	1 409		+0.58
Coke-ovens	6 931	5 412	3 842	3 570	3 267	2 494	1 233	-6.43	-16.24
Blast-furnaces	1 505	1 526	1 393	981	1 323	1 215	868	-2.10	-2.02
Refineries	90 422	88 778	88 404	75 208	62 576	63 073	62 053	-1.44	-3.15
BKB / PB plants									
of which: electricity	26 874	31 672	33 327	31 385	25 220	24 249	24 356	-0.38	-4.14
of which: derived heat		2 439	1 366	1 361	1 440	1 412	1 409		+0.58
<b>Exchanges, transfers and returns</b>	20	184	14	- 3	- 6	12	- 17		
<b>Consumption of the energy branch</b>	12 748	14 910	16 092	13 492	10 877	11 555	11 109	-0.53	-3.19
<b>Distribution losses</b>	3 526	4 425	3 455	3 464	3 101	3 173	2 792	-0.89	-3.53
<b>Energy available for final consumption</b>	146 871	163 832	164 163	151 288	136 552	140 081	141 435	-0.14	-1.12
Solid fossil fuels	11 977	5 179	4 369	4 321	4 956	4 387	3 278	-4.86	-4.50
Gas/Diesel Oil (w/o bio)	19 608	24 035	26 254	25 704	27 307	28 722	29 828	+1.63	+2.51
Motor Gasoline (w/o bio)	26 172	23 658	19 969	15 520	13 148	12 670	12 814	-2.71	-3.14
Kerosene Type Jet Fuel	6 864	11 375	13 221	11 779	11 873	11 718	11 834	+2.12	+0.08
Naphtha	2 378	1 900	2 339	1 013	1 038	1 437	1 309	-2.27	+4.37
LPG	2 847	3 079	3 520	3 368	2 739	3 128	3 127	+0.36	-1.23
All other oil & petroleum products	9 778	9 726	11 538	9 540	7 631	8 209	7 881	-0.83	-3.13
Natural gas	41 722	52 706	50 469	47 151	36 507	38 288	39 551	-0.21	-2.89
Derived gases	1 501	746	526	439	475	407	327	-5.70	-4.82
Solid biomass & charcoal	303	498	390	1 534	2 186	2 602	2 861	+9.02	+10.95
Liquid biofuels			69	1 150	1 168	933	946		-3.21
All other renewable energies	95	87	116	127	176	222	292	+4.43	+14.91
Non-renewable wastes	29	45	116	90	144	114	121	+5.64	+5.07
Electricity	23 597	28 360	29 998	28 286	26 048	26 101	26 131	+0.39	-1.31
Derived heat		2 439	1 268	1 266	1 155	1 142	1 136		-1.80
<b>Statistical difference</b>	- 852	- 734	42	383	- 144	347	- 35		
<b>Final non-energy consumption</b>	10 829	11 330	11 365	7 912	6 712	7 429	7 781	-1.26	-0.28
<b>Final energy consumption</b>	136 894	153 236	152 755	142 993	129 984	132 306	133 689	-0.09	-1.12
Industry	34 639	36 930	33 325	27 580	25 529	25 463	24 253	-1.36	-2.12
Transport	46 154	52 895	55 492	51 387	51 080	51 640	52 601	+0.50	+0.39
Road transport	36 987	39 464	40 095	37 943	37 669	38 181	39 059	+0.21	+0.48
Domestic & International aviation	6 796	11 156	13 125	11 673	11 797	11 903	12 003	+2.21	+0.47
Other sectors	56 101	63 411	63 938	64 026	53 375	55 203	56 834	+0.05	-1.97
Services	12 893	16 860	16 750	16 518	15 458	16 159	16 522	+0.96	+0.00
Residential	37 370	43 034	44 238	45 503	35 736	36 931	38 054	+0.07	-2.94

Source: Eurostat (nrg\_100a)

Iceland, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	4 594					4 594			
+ Primary production receipt									
+ Other sources (recovered products)	2		2						
+ Recycled products									
+ Imports	1 070	100	954			16			
+ Stock changes	- 32		- 32						
- Exports									
- Bunkers	58		58						
- Direct use	2		2						
<b>Gross inland consumption</b>	<b>5 575</b>	<b>100</b>	<b>865</b>			<b>4 610</b>			
<b>Transformation input</b>	<b>3 452</b>		<b>2</b>			<b>3 433</b>		<b>18</b>	
+ Conventional thermal power stations	2 726		2			2 724			
+ Nuclear power stations									
+ District heating plants	726					709		18	
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>1 270</b>							<b>436</b>	<b>834</b>
+ Conventional thermal power stations	793							436	357
+ Nuclear power stations									
+ District heating plants	477								477
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>						<b>- 1 159</b>		<b>1 159</b>	
<b>Consumption of the energy branch</b>	<b>48</b>							<b>48</b>	
<b>Distribution losses</b>	<b>135</b>					<b>8</b>		<b>42</b>	<b>85</b>
<b>Available for final consumption</b>	<b>3 210</b>	<b>100</b>	<b>862</b>			<b>10</b>		<b>1 488</b>	<b>749</b>
<b>Statistical difference</b>	<b>- 91</b>		<b>- 2</b>			<b>- 90</b>			<b>0</b>
<b>Final non-energy consumption</b>	<b>18</b>		<b>18</b>						
<b>Final energy consumption</b>	<b>3 283</b>	<b>100</b>	<b>846</b>			<b>100</b>		<b>1 488</b>	<b>749</b>
+ Industry	1 435	100	45			13		1 276	
+ Iron and Steel	197	100	6			1		90	
+ Chemical and Petrochemical	7							7	
+ Non-ferrous metals	1 125		1					1 124	
+ Non-metallic minerals	4							4	
+ Transport eEquipment	0							0	
+ Machinery	1							1	
+ Mining and Quarrying	0							0	
+ Food, Beverages and Tobacco	48		5					42	
+ Paper, Pulp and Printing	1							1	
+ Wood and Wood products	0							0	
+ Construction	32		29					3	
+ Textile and Leather	0							0	
+ Not elsewhere specified (Industry)	18		5			12		2	
+ Transport	637		615			16		5	
+ Rail									
+ Road	309		293			16			
+ International aviation	306		306						
+ Domestic aviation	7		7						
+ Domestic navigation	9		9						
+ Pipeline transport									
+ Not elsewhere specified (Transport)	5							5	
+ Other sectors	1 211		186			70		207	749
+ Commercial and public services	454					38		109	307
+ Residential	475		2			13		73	387
+ Agriculture / Forestry	39		6			6		20	7
+ Fishing	227		172			14		5	36
+ Not elsewhere specified (Other)	17		5						12

Source: Eurostat (nrg\_100a)

Iceland	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	1 620	2 414	2 384	4 791	5 223	4 918	4 594	+4.09	-0.70
Solid fossil fuels									
Crude oil & other hydrocarbons									
Natural gas									
Nuclear heat									
Renewable energies	1 620	2 413	2 384	4 790	5 223	4 918	4 594	+4.09	-0.69
Non-renewable wastes		1	1	0					
<b>Net imports</b>	797	1 042	1 070	777	850	964	1 070	+1.14	+5.48
Solid fossil fuels	65	100	101	88	88	94	100	+1.65	+2.16
Crude oil & other hydrocarbons									
Petroleum products	731	943	969	689	759	856	954	+1.03	+5.58
Natural gas									
Renewable energies				0	3	13	16		
<b>Gross inland consumption</b>	2 388	3 348	3 370	5 545	6 057	5 813	5 575	+3.32	+0.09
Solid fossil fuels	65	100	101	91	88	94	100	+1.65	+1.52
Crude oil & petroleum products	702	835	884	663	744	788	865	+0.80	+4.53
Gas									
Nuclear heat									
Renewable energies	1 620	2 413	2 384	4 791	5 225	4 931	4 610	+4.10	-0.64
Non-renewable wastes		1	1	0					
<b>Transformation input</b>	1 173	1 780	1 681	3 617	4 008	3 636	3 452	+4.24	-0.77
Conventional thermal power stations	769	1 350	1 268	3 004	3 400	2 999	2 726	+4.99	-1.60
Nuclear power stations									
District heating plants	404	430	413	614	608	637	726	+2.28	+2.86
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
<b>Transformation output</b>	404	550	615	899	1 004	1 066	1 270	+4.51	+5.93
Conventional thermal power stations	133	235	273	521	590	595	793	+7.10	+7.24
Nuclear power stations									
District heating plants	270	315	342	377	414	471	477	+2.20	+3.98
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
<i>of which: electricity</i>	26	114	143	384	451	431	436	+11.40	+2.14
<i>of which: derived heat</i>	377	436	472	515	554	635	834	+3.10	+8.37
<b>Exchanges, transfers and returns</b>						1			
<b>Consumption of the energy branch</b>	5	24	29	40	43	37	48	+8.79	+2.89
<b>Distribution losses</b>	81	82	92	125	116	126	135	+1.99	+1.27
<b>Energy available for final consumption</b>	1 532	2 012	2 183	2 662	2 895	3 081	3 210	+2.89	+3.17
Solid fossil fuels	65	100	101	91	88	94	100	+1.65	+1.52
Gas/Diesel Oil (w/o bio)	300	350	375	293	295	327	343	+0.51	+2.68
Motor Gasoline (w/o bio)	142	153	160	156	139	139	143	+0.04	-1.40
Kerosene Type Jet Fuel	81	141	140	135	199	231	313	+5.33	+15.12
Naphtha									
LPG	1	2	2	3	2	3	3	+4.40	0
All other oil & petroleum products	177	187	207	76	108	88	60	-4.08	-3.78
Natural gas									
Derived gases									
Solid biomass & charcoal					1	1	1		
Liquid biofuels				0	2	13	15		
All other renewable energies	93	97	108	99	117	107	- 7		
Non-renewable wastes									
Electricity	336	594	671	1 351	1 456	1 511	1 488	+5.89	+1.63
Derived heat	336	388	420	458	489	567	749	+3.13	+8.54
<b>Statistical difference</b>	57	15	15	- 1	- 35	- 3	- 91		
<b>Final non-energy consumption</b>	65	126	160	18	13	20	18	-4.79	0
<b>Final energy consumption</b>	1 410	1 871	2 008	2 644	2 917	3 064	3 283	+3.30	+3.67
Industry	382	673	740	1 301	1 434	1 451	1 435	+5.22	+1.64
Transport	288	348	364	411	465	526	637	+3.10	+7.59
<i>Road transport</i>	185	202	217	266	259	284	309	+2.00	+2.54
<i>Domestic &amp; International aviation</i>	84	142	141	133	200	232	313	+5.18	+15.28
Other sectors	740	850	904	933	1 018	1 087	1 211	+1.91	+4.45
<i>Services</i>	195	244	272	303	364	397	454	+3.30	+6.98
<i>Residential</i>	282	311	335	378	385	392	475	+2.02	+3.88

Source: Eurostat (nrg\_100a)



Norway, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	208 033	549	91 354	102 337		13 545	249		
+ Primary production receipt									
+ Other sources (recovered products)									
+ Recycled products									
+ Imports	8 415	733	6 738	3		446		494	
+ Stock changes	- 289	88	- 386	10					
- Exports	188 249	612	88 917	96 767		49		1 905	
- Bunkers	99		51	47					
- Direct use									
<b>Gross inland consumption</b>	<b>27 810</b>	<b>758</b>	<b>8 737</b>	<b>5 536</b>		<b>13 942</b>	<b>249</b>	<b>- 1 411</b>	
<b>Transformation input</b>	<b>14 478</b>	<b>94</b>	<b>13 417</b>	<b>366</b>		<b>353</b>	<b>160</b>	<b>88</b>	
+ Conventional thermal power stations	594	17	6	354		113	103		
+ Nuclear power stations									
+ District heating plants	412		16	12		240	57	88	
+ Coke ovens									
+ Blast furnaces	77	77							
+ Gas works									
+ Refineries	13 395		13 395						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>14 272</b>		<b>13 388</b>	<b>77</b>				<b>276</b>	<b>530</b>
+ Conventional thermal power stations	431							276	155
+ Nuclear power stations									
+ District heating plants	376								376
+ Coke ovens									
+ Blast furnaces	77				77				
+ Gas works									
+ Refineries	13 388		13 388						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>448</b>		<b>448</b>			<b>- 12 478</b>		<b>12 478</b>	
<b>Consumption of the energy branch</b>	<b>5 700</b>		<b>461</b>	<b>4 549</b>				<b>690</b>	
<b>Distribution losses</b>	<b>849</b>			<b>1</b>				<b>788</b>	<b>59</b>
<b>Available for final consumption</b>	<b>21 504</b>	<b>663</b>	<b>8 696</b>	<b>696</b>		<b>1 111</b>	<b>88</b>	<b>9 777</b>	<b>472</b>
<b>Statistical difference</b>	<b>282</b>	<b>- 25</b>	<b>509</b>	<b>- 213</b>		<b>- 0</b>	<b>- 0</b>	<b>5</b>	<b>5</b>
<b>Final non-energy consumption</b>	<b>2 286</b>	<b>52</b>	<b>1 785</b>	<b>450</b>					
<b>Final energy consumption</b>	<b>18 935</b>	<b>636</b>	<b>6 402</b>	<b>460</b>		<b>1 111</b>	<b>88</b>	<b>9 772</b>	<b>466</b>
+ Industry	6 013	636	789	300		238	80	3 934	35
+ Iron and Steel	826	335	7	34		2	2	445	0
+ Chemical and Petrochemical	1 393	231	311	110		50	25	666	0
+ Non-ferrous metals	1 845		25	33				1 785	1
+ Non-metallic minerals	320	70	48	55		26	46	75	0
+ Transport eEquipment	43		3	1				37	1
+ Machinery	115		9	3			0	99	4
+ Mining and Quarrying	97		59	3		0		36	0
+ Food, Beverages and Tobacco	370		70	42		2		249	7
+ Paper, Pulp and Printing	425		7	13		69	7	329	0
+ Wood and Wood products	159		8	1		84		58	7
+ Construction	362		232	1				115	14
+ Textile and Leather	8		1	1		0		6	0
+ Not elsewhere specified (Industry)	50		9	2		4		34	0
+ Transport	5 360		4 813	118		345		83	
+ Rail	67		13					54	
+ Road	3 459		3 063	21		345		29	
+ International aviation	517		517						
+ Domestic aviation	392		392						
+ Domestic navigation	633		633						
+ Pipeline transport									
+ Not elsewhere specified (Transport)	291		195	97					
+ Other sectors	7 562		799	42		528	8	5 754	431
+ Commercial and public services	2 871		246	25		33	8	2 243	315
+ Residential	4 267		320	4		495		3 333	115
+ Agriculture / Forestry	290		116	13				160	1
+ Fishing	69		51					18	
+ Not elsewhere specified (Other)	66		66						

Source: Eurostat (nrg\_100a)

Norway	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	119 286	227 456	224 178	202 977	194 684	203 675	208 033	+2.16	+0.41
Solid fossil fuels	203	424	987	1 299	1 124	742	549	+3.89	-13.37
Crude oil & other hydrocarbons	83 487	167 193	135 092	95 330	84 711	86 736	91 354	+0.35	-0.71
Natural gas	24 148	46 282	75 040	94 721	95 797	102 847	102 337	+5.71	+1.30
Nuclear heat									
Renewable energies	11 394	13 481	12 956	11 466	12 807	13 093	13 545	+0.67	+2.82
Non-renewable wastes	54	75	103	162	245	257	249	+6.05	+7.41
<b>Net imports</b>	- 95 574	- 199 815	- 195 956	- 172 715	- 166 325	- 174 239	- 179 834	+2.46	+0.68
Solid fossil fuels	668	600	- 412	- 380	- 259	1	121	-6.36	
Crude oil & other hydrocarbons	- 67 742	- 150 860	- 112 254	- 74 831	- 62 029	- 62 512	- 69 368	+0.09	-1.26
Petroleum products	- 4 960	- 5 784	- 11 306	- 9 927	- 12 888	- 13 924	- 12 810	+3.72	+4.34
Natural gas	- 22 172	- 42 137	- 70 969	- 88 476	- 90 000	- 96 744	- 96 763	+5.83	+1.50
Renewable energies		5	21	250	190	200	398		+8.02
<b>Gross inland consumption</b>	21 421	26 432	27 170	29 887	29 060	29 081	27 810	+1.01	-1.19
Solid fossil fuels	863	1 051	776	766	850	821	758	-0.50	-0.18
Crude oil & petroleum products	8 502	9 313	10 279	10 314	10 530	9 863	8 737	+0.11	-2.73
Gas	1 976	4 145	4 071	6 280	5 779	6 107	5 536	+4.04	-2.08
Nuclear heat									
Renewable energies	11 394	13 486	12 976	11 716	12 997	13 293	13 942	+0.78	+2.94
Non-renewable wastes	54	75	103	162	245	257	249	+6.05	+7.41
<b>Transformation input</b>	13 722	15 971	16 605	16 632	16 156	17 934	14 478	+0.21	-2.29
Conventional thermal power stations	146	167	257	1 287	603	591	594	+5.55	-12.08
Nuclear power stations									
District heating plants	95	125	188	376	322	384	412	+5.82	+1.54
Coke-ovens									
Blast-furnaces	39	49	44	63	98	90	77	+2.65	+3.38
Refineries	13 442	15 631	16 116	14 907	15 133	16 869	13 395	-0.01	-1.77
BKB / PB plants									
<b>Transformation output</b>	13 671	15 936	16 551	15 850	15 952	17 716	14 272	+0.17	-1.73
Conventional thermal power stations	77	110	174	564	433	426	431	+6.87	-4.39
Nuclear power stations									
District heating plants	118	143	221	339	302	347	376	+4.55	+1.72
Coke-ovens									
Blast-furnaces	39	49	44	63	98	90	77	+2.65	+3.38
Refineries	13 437	15 634	16 112	14 883	15 119	16 853	13 388	-0.01	-1.75
BKB / PB plants									
<i>of which: electricity</i>	40	57	91	471	281	283	276	+7.71	-8.50
<i>of which: derived heat</i>	155	196	304	433	455	490	530	+4.86	+3.45
<b>Exchanges, transfers and returns</b>	77	82	422	355	374	429	448		
<b>Consumption of the energy branch</b>	3 043	4 097	4 833	5 296	5 634	5 873	5 700	+2.44	+1.23
<b>Distribution losses</b>	626	1 043	917	883	710	699	849	+1.18	-0.65
<b>Energy available for final consumption</b>	17 779	21 338	21 788	23 281	22 887	22 720	21 504	+0.73	-1.31
Solid fossil fuels	810	987	715	685	735	714	663	-0.76	-0.55
Gas/Diesel Oil (w/o bio)	2 788	3 634	4 424	5 057	4 747	5 001	4 362	+1.74	-2.43
Motor Gasoline (w/o bio)	2 052	2 105	1 673	1 844	1 450	1 194	857	-3.30	-12.00
Kerosene Type Jet Fuel	600	748	706	890	1 051	1 226	924	+1.68	+0.63
Naphtha	54	651	1 470	- 4	- 206	- 281	- 58		+54.73
LPG	901	707	1 168	706	280	377	781	-0.55	+1.69
All other oil & petroleum products	1 253	548	404	1 677	3 077	2 232	1 830	+1.47	+1.47
Natural gas		1 169	351	853	966	1 155	645		-4.54
Derived gases	25	31	22	37	70	61	51	+2.82	+5.52
Solid biomass & charcoal	898	1 165	1 063	1 141	693	740	712	-0.89	-7.56
Liquid biofuels				139	138	150	347		+16.52
All other renewable energies		30	38	54	31	45	52		-0.60
Non-renewable wastes		16	23	65	92	92	88		+5.24
Electricity	8 324	9 418	9 521	9 753	9 359	9 579	9 777	+0.62	+0.04
Derived heat	74	128	209	385	404	435	472	+7.36	+3.46
<b>Statistical difference</b>	- 150	1 099	894	1 377	2 066	1 583	282		
<b>Final non-energy consumption</b>	1 841	2 146	2 313	2 273	2 397	2 466	2 286	+0.84	+0.10
<b>Final energy consumption</b>	16 087	18 094	18 580	19 631	18 423	18 672	18 935	+0.63	-0.60
Industry	6 093	6 946	6 782	6 235	5 923	6 009	6 013	-0.05	-0.60
Transport	3 834	4 426	4 747	5 351	5 429	5 380	5 360	+1.30	+0.03
<i>Road transport</i>	2 597	2 973	3 237	3 276	3 307	3 358	3 459	+1.11	+0.91
<i>Domestic &amp; International aviation</i>	505	660	613	822	1 061	1 023	909	+2.28	+1.70
Other sectors	6 161	6 722	7 052	8 045	7 071	7 283	7 562	+0.79	-1.03
<i>Services</i>	2 045	2 124	2 280	2 852	2 652	2 657	2 871	+1.31	+0.11
<i>Residential</i>	3 605	3 825	3 875	4 654	4 043	4 222	4 267	+0.65	-1.44

Source: Eurostat (nrg\_100a)

Montenegro, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	660	308				353			
+ Primary production receipt									
+ Other sources (recovered products)									
+ Recycled products									
+ Imports	467	1	360			2		104	
+ Stock changes	- 15		- 15						
- Exports	124	9	16			22		78	
- Bunkers									
- Direct use									
<b>Gross inland consumption</b>	<b>988</b>	<b>299</b>	<b>330</b>			<b>332</b>		<b>26</b>	
<b>Transformation input</b>	<b>294</b>	<b>287</b>				<b>7</b>			
+ Conventional thermal power stations	287	287							
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	7					7			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>112</b>							<b>112</b>	
+ Conventional thermal power stations	112							112	
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>						<b>- 158</b>		<b>158</b>	
<b>Consumption of the energy branch</b>	<b>10</b>							<b>10</b>	
<b>Distribution losses</b>	<b>47</b>							<b>47</b>	
<b>Available for final consumption</b>	<b>748</b>	<b>12</b>	<b>330</b>			<b>167</b>		<b>240</b>	
<b>Statistical difference</b>	<b>10</b>							<b>10</b>	
<b>Final non-energy consumption</b>	<b>30</b>		<b>30</b>						
<b>Final energy consumption</b>	<b>708</b>	<b>12</b>	<b>300</b>			<b>167</b>		<b>230</b>	
+ Industry	120	6	47			9		57	
+ Iron and Steel	8	5						3	
+ Chemical and Petrochemical	5		2			2		1	
+ Non-ferrous metals	47							47	
+ Non-metallic minerals	3		2			0		0	
+ Transport eEquipment									
+ Machinery	3	0	2			0		1	
+ Mining and Quarrying	5		5					0	
+ Food, Beverages and Tobacco	19	1	9			6		3	
+ Paper, Pulp and Printing	0							0	
+ Wood and Wood products	12	0	10			0		1	
+ Construction									
+ Textile and Leather	0					0		0	
+ Not elsewhere specified (Industry)	18	0	17			0		1	
+ Transport	239		238					2	
+ Rail	2							2	
+ Road	215		215						
+ International aviation	20		20						
+ Domestic aviation									
+ Domestic navigation	3		3						
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	349	6	15			157		171	
+ Commercial and public services	79	2	9			6		62	
+ Residential	264	4	1			151		108	
+ Agriculture / Forestry	5		4					1	
+ Fishing									
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Montenegro	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>			593	826	692	716	660		-3.66
Solid fossil fuels			287	426	364	390	308		-5.30
Crude oil & other hydrocarbons									
Natural gas									
Nuclear heat									
Renewable energies			306	399	328	326	353		-2.05
Non-renewable wastes									
<b>Net imports</b>			436	297	291	306	342		+2.38
Solid fossil fuels			- 6	- 12	- 5	- 12	- 8		-6.09
Crude oil & other hydrocarbons									
Petroleum products			291	311	286	291	345		+1.73
Natural gas									
Renewable energies			- 2	- 2	- 12	- 18	- 20		+48.18
<b>Gross inland consumption</b>			1 035	1 128	975	1 030	988		-2.19
Solid fossil fuels			287	420	359	378	299		-5.48
Crude oil & petroleum products			291	311	278	297	330		+0.98
Gas									
Nuclear heat									
Renewable energies			304	397	316	309	332		-2.93
Non-renewable wastes									
<b>Transformation input</b>			265	409	352	378	294		-5.32
Conventional thermal power stations			265	409	351	367	287		-5.71
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
<b>Transformation output</b>			86	109	122	130	112		+0.34
Conventional thermal power stations			86	109	122	130	112		+0.34
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
<i>of which: electricity</i>			86	109	122	130	112		+0.34
<i>of which: derived heat</i>									
<b>Exchanges, transfers and returns</b>									
<b>Consumption of the energy branch</b>			12	15	12	11	10		-6.74
<b>Distribution losses</b>			67	57	59	50	47		-3.42
<b>Energy available for final consumption</b>			777	756	674	720	748		-0.18
Solid fossil fuels			22	11	7	11	12		+1.63
Gas/Diesel Oil (w/o bio)			104	178	173	188	218		+3.51
Motor Gasoline (w/o bio)			55	61	37	38	39		-6.95
Kerosene Type Jet Fuel			14	2	18	19	20		+45.50
Naphtha									
LPG			11	20	18	20	19		-0.95
All other oil & petroleum products			104	48	31	32	33		-5.89
Natural gas									
Derived gases									
Solid biomass & charcoal			143	161	164	169	167		+0.58
Liquid biofuels									
All other renewable energies					0	0	0		
Non-renewable wastes									
Electricity			324	276	224	242	240		-2.34
Derived heat									
<b>Statistical difference</b>			- 0	- 0	- 0	11	10		
<b>Final non-energy consumption</b>			18	40	28	28	30		-4.56
<b>Final energy consumption</b>			759	717	646	681	708		-0.20
Industry			336	199	133	132	120		-8.14
Transport			172	232	181	205	239		+0.52
<i>Road transport</i>			154	227	158	182	215		-0.93
<i>Domestic &amp; International aviation</i>			14	2	18	19	20		+45.50
Other sectors			251	285	332	344	349		+3.41
<i>Services</i>			3	5	69	70	79		+60.54
<i>Residential</i>			243	275	256	265	264		-0.63

Source: Eurostat (nrg\_100a)

The Former Yugoslav Republic of Macedonia, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non-renewable wastes	Electricity	Derived heat
+ Primary production	1 114	745				369			
+ Primary production receipt									
+ Other sources (recovered products)									
+ Recycled products									
+ Imports	1 763	106	1 274	176		19		188	
+ Stock changes	- 6	19	- 18			- 7			
- Exports	187	1	172			1		14	
- Bunkers									
- Direct use									
<b>Gross inland consumption</b>	<b>2 684</b>	<b>870</b>	<b>1 084</b>	<b>176</b>		<b>380</b>		<b>175</b>	
<b>Transformation input</b>	<b>916</b>	<b>748</b>	<b>27</b>	<b>138</b>		<b>3</b>			
+ Conventional thermal power stations	888	748	27	110		3			
+ Nuclear power stations									
+ District heating plants	28			28					
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>363</b>							<b>309</b>	<b>53</b>
+ Conventional thermal power stations	335							309	26
+ Nuclear power stations									
+ District heating plants	27								27
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>						- 175		175	
<b>Consumption of the energy branch</b>	<b>42</b>		2			0		40	0
<b>Distribution losses</b>	<b>95</b>				0	1		87	7
<b>Available for final consumption</b>	<b>1 995</b>		122	1 055	38	202		532	46
<b>Statistical difference</b>	<b>- 0</b>	<b>- 1</b>	<b>- 0</b>			<b>0</b>		<b>- 0</b>	
<b>Final non-energy consumption</b>	<b>140</b>		140						
<b>Final energy consumption</b>	<b>1 856</b>	<b>122</b>	<b>915</b>	<b>38</b>		<b>202</b>		<b>533</b>	<b>46</b>
+ Industry	426	119	130	32		6		137	2
+ Iron and Steel	225	80	51	21		0		72	2
+ Chemical and Petrochemical	8		2	1				5	
+ Non-ferrous metals	2		1					1	
+ Non-metallic minerals	74	39	23	1		0		11	
+ Transport eEquipment	9		1	3		0		6	
+ Machinery	6		2	0		0		4	
+ Mining and Quarrying	26		13			0		13	
+ Food, Beverages and Tobacco	39		16	6		5		12	
+ Paper, Pulp and Printing	1			0		0		1	
+ Wood and Wood products	1					0		0	
+ Construction	17		15			0		2	
+ Textile and Leather	12	1	6	0		0		5	
+ Not elsewhere specified (Industry)	5			0		0		4	
+ Transport	696		695	0				1	
+ Rail	3		2					1	
+ Road	677		677	0					
+ International aviation	16		16						
+ Domestic aviation									
+ Domestic navigation									
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	734	3	91	6		195		395	45
+ Commercial and public services	216	1	64	6		5		129	12
+ Residential	493	1	12	0		185		263	33
+ Agriculture / Forestry	24	1	15			5		3	
+ Fishing									
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

The Former Yugoslav Republic of Macedonia	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	1 257	1 535	1 632	1 607	1 331	1 266	1 114	-0.46	-5.93
Solid fossil fuels	1 215	1 212	1 289	1 194	986	876	745	-1.86	-7.56
Crude oil & other hydrocarbons									
Natural gas									
Nuclear heat									
Renewable energies	42	322	343	413	345	389	369	+8.69	-1.88
Non-renewable wastes									
<b>Net imports</b>	1 161	1 060	1 199	1 216	1 403	1 395	1 576	+1.18	+4.42
Solid fossil fuels	97	94	116	123	120	84	105	+0.31	-2.58
Crude oil & other hydrocarbons	1 193	766	930	809					
Petroleum products	- 137	128	- 47	62	911	968	1 102		+61.69
Natural gas		54	62	96	111	112	176		+10.71
Renewable energies		8	- 1	4	7	14	18		+26.52
<b>Gross inland consumption</b>	2 432	2 658	2 869	2 825	2 707	2 665	2 684	+0.38	-0.85
Solid fossil fuels	1 326	1 344	1 462	1 303	1 084	957	870	-1.61	-6.52
Crude oil & petroleum products	1 057	921	862	890	904	970	1 084	+0.10	+3.33
Gas		54	63	96	111	112	176		+10.72
Nuclear heat									
Renewable energies	42	329	345	414	353	409	380	+8.82	-1.40
Non-renewable wastes									
<b>Transformation input</b>	2 558	2 485	2 585	2 109	1 093	990	916	-3.87	-12.99
Conventional thermal power stations	1 311	1 353	1 331	1 215	1 052	945	888	-1.49	-5.09
Nuclear power stations									
District heating plants	53	187	84	54	40	45	28	-2.44	-10.51
Coke-ovens									
Blast-furnaces									
Refineries	1 195	945	1 170	841	1				
BKB / PB plants									
<b>Transformation output</b>	1 759	1 606	1 720	1 320	399	365	363	-5.89	-19.36
Conventional thermal power stations	519	507	473	427	360	323	335	-1.66	-3.95
Nuclear power stations									
District heating plants	46	155	78	53	38	42	27	-1.98	-10.41
Coke-ovens									
Blast-furnaces									
Refineries	1 194	944	1 169	840	1				
BKB / PB plants									
of which: electricity	453	485	469	415	351	313	309	-1.45	-4.78
of which: derived heat	112	177	82	65	47	52	53	-2.81	-3.26
<b>Exchanges, transfers and returns</b>		0	0	0	- 0				
<b>Consumption of the energy branch</b>	45	70	78	78	48	44	42	-0.33	-9.93
<b>Distribution losses</b>	48	103	146	121	99	96	95	+2.67	-4.03
<b>Energy available for final consumption</b>	1 540	1 605	1 781	1 836	1 865	1 900	1 995	+1.00	+1.39
Solid fossil fuels	110	101	135	119	108	87	122	+0.39	+0.33
Gas/Diesel Oil (w/o bio)	261	300	348	406	479	536	617	+3.36	+7.21
Motor Gasoline (w/o bio)	173	154	123	130	107	109	110	-1.72	-2.79
Kerosene Type Jet Fuel	5	29	6	7	12	15	16	+4.35	+13.53
Naphtha									
LPG	54	33	51	70	69	78	86	+1.82	+3.39
All other oil & petroleum products	416	159	245	220	196	192	227	-2.31	+0.46
Natural gas		7	50	42	34	32	38		-1.44
Derived gases									
Solid biomass & charcoal		204	206	193	235	228	197		+0.32
Liquid biofuels				0	0	0	0		-14.56
All other renewable energies		15	9	10	6	5	5		-10.59
Non-renewable wastes									
Electricity	412	448	535	583	579	570	532	+0.99	-1.51
Derived heat	109	155	72	54	40	46	46	-3.24	-2.57
<b>Statistical difference</b>	20	- 4	2	4	5	- 14	- 0		
<b>Final non-energy consumption</b>	82	16	36	35	50	62	140	+2.08	+26.18
<b>Final energy consumption</b>	1 438	1 594	1 744	1 797	1 810	1 852	1 856	+0.99	+0.54
Industry	746	534	580	543	518	475	426	-2.13	-3.96
Transport	269	361	350	461	550	611	696	+3.72	+7.10
Road transport	255	326	340	448	532	593	677	+3.83	+7.13
Domestic & International aviation	5	29	6	7	12	15	16	+4.35	+13.53
Other sectors	423	699	814	793	742	766	734	+2.14	-1.29
Services	40	143	239	234	196	212	216	+6.70	-1.27
Residential	300	480	540	538	524	531	493	+1.93	-1.44

Source: Eurostat (nrg\_100a)

Albania, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	1 936	2	1 031	35		868			
+ Primary production receipt									
+ Other sources (recovered products)	11		11						
+ Recycled products									
+ Imports	1 375	49	1 242			85			
+ Stock changes	- 120		- 120						
- Exports	890		884			1		4	
- Bunkers	35		35						
- Direct use	11		11						
<b>Gross inland consumption</b>	<b>2 267</b>	<b>51</b>	<b>1 234</b>	<b>35</b>		<b>952</b>		<b>- 4</b>	
<b>Transformation input</b>	<b>175</b>		<b>175</b>						
+ Conventional thermal power stations									
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	175		175						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>180</b>		<b>175</b>			<b>5</b>			
+ Conventional thermal power stations									
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	175		175						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants	5					5			
<b>Exchanges, transfers and returns</b>						<b>- 669</b>		<b>669</b>	
<b>Consumption of the energy branch</b>	<b>118</b>		<b>23</b>	<b>25</b>				<b>71</b>	
<b>Distribution losses</b>	<b>124</b>		<b>2</b>					<b>122</b>	
<b>Available for final consumption</b>	<b>2 030</b>	<b>51</b>	<b>1 209</b>	<b>10</b>		<b>287</b>		<b>473</b>	
<b>Statistical difference</b>	<b>9</b>		<b>9</b>						
<b>Final non-energy consumption</b>	<b>102</b>		<b>102</b>						
<b>Final energy consumption</b>	<b>1 919</b>	<b>51</b>	<b>1 098</b>	<b>10</b>		<b>287</b>		<b>473</b>	
+ Industry	287	47	109	10		11		109	
+ Iron and Steel	20		4					15	
+ Chemical and Petrochemical	13		5					8	
+ Non-ferrous metals	8							8	
+ Non-metallic minerals	119	47	63					9	
+ Transport eEquipment									
+ Machinery									
+ Mining and Quarrying	19		10					9	
+ Food, Beverages and Tobacco	51		8	7		11		25	
+ Paper, Pulp and Printing	10							10	
+ Wood and Wood products	1							1	
+ Construction	10		2					8	
+ Textile and Leather	15		2					12	
+ Not elsewhere specified (Industry)	21		15	3				3	
+ Transport	839		757			82			
+ Rail	2		2						
+ Road	796		714			82			
+ International aviation	6		6						
+ Domestic aviation	1		1						
+ Domestic navigation	34		34						
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	794	4	232			195		363	
+ Commercial and public services	179	4	49			27		99	
+ Residential	509		96			155		257	
+ Agriculture / Forestry	75		56			12		7	
+ Fishing	31		31						
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Albania	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	2 381	969	1 097	1 572	1 876	2 071	1 936	-0.79	+3.53
Solid fossil fuels	487	7	11	2		34	2	-18.97	-2.15
Crude oil & other hydrocarbons	1 083	297	383	696	1 231	1 276	1 031	-0.19	+6.77
Natural gas	203	9	9	12	25	27	35	-6.54	+20.27
Nuclear heat									
Renewable energies	608	656	694	862	621	733	868	+1.38	+0.11
Non-renewable wastes									
<b>Net imports</b>	171	846	1 119	654	809	282	486	+4.09	-4.84
Solid fossil fuels	143	10	2	109	86	61	49	-4.05	-12.51
Crude oil & other hydrocarbons				- 466	- 906	- 985	- 867		+10.91
Petroleum products	11	751	1 085	1 093	1 322	1 065	1 224	+19.98	+1.91
Natural gas									
Renewable energies		- 2			43	21	84		
<b>Gross inland consumption</b>	2 592	1 814	2 216	2 142	2 345	2 199	2 267	-0.51	+0.95
Solid fossil fuels	630	17	13	111	86	95	51	-9.23	-12.22
Crude oil & petroleum products	1 133	1 048	1 468	1 239	1 306	1 202	1 234	+0.33	-0.07
Gas	203	9	9	12	25	27	35	-6.54	+20.27
Nuclear heat									
Renewable energies	608	654	694	862	663	754	952	+1.74	+1.65
Non-renewable wastes									
<b>Transformation input</b>	1 464	361	427	152	325	275	175	-7.85	+2.39
Conventional thermal power stations	161	62	44	5					
Nuclear power stations									
District heating plants		3							
Coke-ovens	40								
Blast-furnaces	8								
Refineries	1 103	297	383	147	325	275	175	-6.84	+2.94
BKB / PB plants	151								
<b>Transformation output</b>	1 309	318	389	147	324	275	180	-7.35	+3.43
Conventional thermal power stations	47	19	6	0					
Nuclear power stations									
District heating plants		2							
Coke-ovens	25								
Blast-furnaces	8								
Refineries	1 102	296	382	147	324	275	175	-6.84	+2.95
BKB / PB plants	128								
of which: electricity	39	16	6	0					
of which: derived heat	8	5							
<b>Exchanges, transfers and returns</b>									
<b>Consumption of the energy branch</b>	91	41	67	32	62	44	118	+1.02	+24.46
<b>Distribution losses</b>	145	113	54	82	96	107	124	-0.59	+7.09
<b>Energy available for final consumption</b>	2 202	1 617	2 056	2 023	2 186	2 047	2 030	-0.31	+0.06
Solid fossil fuels	584	11	13	111	86	95	51	-8.97	-12.22
Gas/Diesel Oil (w/o bio)	244	479	690	664	770	762	723	+4.26	+1.41
Motor Gasoline (w/o bio)	64	107	192	125	127	125	113	+2.25	-1.62
Kerosene Type Jet Fuel		41	59	17	8	2	7		-13.75
Naphtha					9				
LPG		27	64	110	133	150	156		+6.05
All other oil & petroleum products	583	308	367	297	229	148	210	-3.86	-5.63
Natural gas	203	1	0	1	7	11	10	-10.92	+53.65
Derived gases	8								
Solid biomass & charcoal	363	258	230	205	193	204	193	-2.41	-1.03
Liquid biofuels					52	30	82		
All other renewable energies		1	2	7	12	12	13		+11.29
Non-renewable wastes									
Electricity	153	382	439	486	559	507	473	+4.43	-0.47
Derived heat		2							
<b>Statistical difference</b>	8	21	32	- 2	27	1	9		
<b>Final non-energy consumption</b>	267	65	123	110	92	81	102	-3.62	-1.20
<b>Final energy consumption</b>	1 926	1 532	1 901	1 915	2 067	1 966	1 919	-0.01	+0.03
Industry	683	269	211	355	373	302	287	-3.28	-3.49
Transport	233	525	843	750	842	831	839	+5.04	+1.88
Road transport	233	430	721	720	797	793	796	+4.83	+1.68
Domestic & International aviation		41	59	17	8	2	7		-13.75
Other sectors	1 010	738	847	810	852	832	794	-0.92	-0.35
Services		137	206	159	179	197	179		+1.98
Residential	528	376	517	489	556	532	509	-0.14	+0.66

Source: Eurostat (nrg\_100a)



Serbia, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	10 645	7 201	978	417		2 049	1		
+ Primary production receipt	57		57						
+ Other sources (recovered products)	74		74						
+ Recycled products									
+ Imports	5 900	632	3 392	1 429		11		436	
+ Stock changes	138	65	19	45		8			
- Exports	1 430	15	748			67		601	
- Bunkers	20		20						
- Direct use	56		56						
<b>Gross inland consumption</b>	<b>15 307</b>	<b>7 884</b>	<b>3 696</b>	<b>1 891</b>		<b>2 001</b>	<b>1</b>	<b>- 165</b>	
<b>Transformation input</b>	<b>11 858</b>	<b>7 369</b>	<b>3 651</b>	<b>800</b>		<b>37</b>	<b>1</b>		
+ Conventional thermal power stations	6 898	6 680	2	208		7	1		
+ Nuclear power stations									
+ District heating plants	739	122	125	489		2			
+ Coke ovens									
+ Blast furnaces	228	228							
+ Gas works									
+ Refineries	3 524		3 524						
+ Patent fuel plants									
+ BKB/PB plants	339	339							
+ Charcoal production plants	27					27			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	103			103					
<b>Transformation output</b>	<b>7 221</b>	<b>207</b>	<b>3 524</b>	<b>228</b>		<b>11</b>		<b>2 389</b>	<b>862</b>
+ Conventional thermal power stations	2 615							2 389	226
+ Nuclear power stations									
+ District heating plants	636								636
+ Coke ovens									
+ Blast furnaces	228			228					
+ Gas works									
+ Refineries	3 524		3 524						
+ Patent fuel plants									
+ BKB/PB plants	207	207							
+ Charcoal production plants	11					11			
<b>Exchanges, transfers and returns</b>	<b>- 2</b>		<b>- 2</b>			<b>- 931</b>		<b>931</b>	
<b>Consumption of the energy branch</b>	<b>810</b>		<b>223</b>	<b>144</b>				<b>391</b>	<b>51</b>
<b>Distribution losses</b>	<b>567</b>	<b>1</b>		<b>71</b>		<b>0</b>		<b>413</b>	<b>81</b>
<b>Available for final consumption</b>	<b>9 290</b>	<b>721</b>	<b>3 342</b>	<b>1 104</b>		<b>1 043</b>		<b>2 350</b>	<b>730</b>
<b>Statistical difference</b>	<b>- 163</b>	<b>- 151</b>	<b>- 12</b>						
<b>Final non-energy consumption</b>	<b>851</b>	<b>4</b>	<b>614</b>	<b>233</b>					
<b>Final energy consumption</b>	<b>8 603</b>	<b>867</b>	<b>2 741</b>	<b>872</b>		<b>1 043</b>		<b>2 350</b>	<b>730</b>
+ Industry	2 486	568	353	519		132		665	250
+ Iron and Steel	512	271		152				73	17
+ Chemical and Petrochemical	469	77	61	127		3		100	101
+ Non-ferrous metals	72		8	16		1		35	12
+ Non-metallic minerals	401	138	139	60		3		59	1
+ Transport eEquipment	51		8	21		0		20	1
+ Machinery	129	12	41	10		12		52	1
+ Mining and Quarrying	54		17	0		0		36	
+ Food, Beverages and Tobacco	388	19	44	91		46		128	59
+ Paper, Pulp and Printing	109	18	4	22		3		40	21
+ Wood and Wood products	28		1	1		15		10	0
+ Construction	41	1	12					28	
+ Textile and Leather	72	9	6	8		18		30	2
+ Not elsewhere specified (Industry)	161	23	11	9		31		54	35
+ Transport	2 149		2 113	5				30	
+ Rail	41		10					30	
+ Road	1 978		1 975	4					
+ International aviation	119		119						
+ Domestic aviation									
+ Domestic navigation	9		9						
+ Pipeline transport	2			2					
+ Not elsewhere specified (Transport)									
+ Other sectors	3 968	300	275	347		911		1 655	480
+ Commercial and public services	836	68	73	157		33		430	76
+ Residential	2 941	232	66	168		873		1 198	404
+ Agriculture / Forestry	192		137	23		6		27	
+ Fishing									
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Serbia	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	13 704	11 828	10 210	10 523	9 388	10 708	10 645	-0.97	+0.19
Solid fossil fuels	10 172	8 351	7 461	7 229	5 713	7 201	7 201	-1.32	-0.07
Crude oil & other hydrocarbons	1 021	952	583	912	1 163	1 067	978	-0.16	+1.18
Natural gas	528	623	229	308	444	456	417	-0.90	+5.15
Nuclear heat									
Renewable energies	1 983	1 901	1 937	2 064	2 068	1 984	2 049	+0.12	-0.13
Non-renewable wastes				9	0	0	1		
<b>Net imports</b>	5 860	1 881	5 536	5 170	3 665	4 009	4 470	-1.04	-2.39
Solid fossil fuels		305	692	723	462	617	617		-2.59
Crude oil & other hydrocarbons	3 686	274	2 762	1 945	1 784	2 026	2 296	-1.80	+2.81
Petroleum products	287	201	630	962	226	117	348	+0.75	-15.60
Natural gas	2 060	910	1 718	1 567	1 111	1 386	1 429	-1.40	-1.52
Renewable energies		- 67	- 100	- 1	- 53	- 58	- 56		
<b>Gross inland consumption</b>	19 564	13 709	15 702	15 592	13 293	14 736	15 307	-0.94	-0.31
Solid fossil fuels	10 172	8 656	8 109	7 824	6 243	7 747	7 884	-0.98	+0.13
Crude oil & petroleum products	4 994	1 427	3 976	3 876	3 303	3 386	3 696	-1.15	-0.79
Gas	2 588	1 533	1 947	1 853	1 609	1 750	1 891	-1.20	+0.34
Nuclear heat									
Renewable energies	1 983	1 834	1 837	2 055	2 003	1 931	2 001	+0.03	-0.44
Non-renewable wastes				9	0	0	1		
<b>Transformation input</b>	15 350	9 600	12 270	11 058	9 948	11 705	11 858	-0.99	+1.17
Conventional thermal power stations	9 021	7 350	7 235	6 658	5 700	6 929	6 898	-1.03	+0.59
Nuclear power stations									
District heating plants	761	452	1 112	760	627	742	739	-0.11	-0.47
Coke-ovens									
Blast-furnaces			74	219	115	173	228		+0.71
Refineries	4 708	1 226	3 346	2 955	3 222	3 470	3 524	-1.11	+2.98
BKB / PB plants	860	573	503	466	156	259	339	-3.51	-5.16
<b>Transformation output</b>	8 500	3 854	6 984	6 547	6 137	7 016	7 221	-0.63	+1.65
Conventional thermal power stations	2 707	1 904	2 359	2 461	2 124	2 576	2 615	-0.13	+1.02
Nuclear power stations									
District heating plants	634	420	909	646	538	631	636	+0.01	-0.28
Coke-ovens									
Blast-furnaces			74	219	115	173	228		+0.71
Refineries	4 702	1 225	3 336	2 955	3 222	3 470	3 524	-1.10	+2.98
BKB / PB plants	458	305	307	266	129	158	207	-3.00	-4.07
of which: electricity	2 707	1 904	2 102	2 195	1 929	2 365	2 389	-0.48	+1.42
of which: derived heat	634	420	1 166	912	733	842	862	+1.19	-0.93
<b>Exchanges, transfers and returns</b>				- 3	- 1	- 2	- 2		
<b>Consumption of the energy branch</b>	238	366	327	698	638	809	810	+4.83	+2.52
<b>Distribution losses</b>	411	481	531	682	555	570	567	+1.24	-3.02
<b>Energy available for final consumption</b>	12 066	7 115	9 558	9 698	8 289	8 666	9 290	-1.00	-0.71
Solid fossil fuels	745	1 179	761	915	504	595	721	-0.13	-3.91
Gas/Diesel Oil (w/o bio)	966	500	1 334	1 535	1 601	1 585	1 632	+2.04	+1.03
Motor Gasoline (w/o bio)	680	357	1 074	518	423	430	443	-1.63	-2.57
Kerosene Type Jet Fuel	144	30	49	43	70	63	118	-0.75	+18.53
Naphtha	882	45	334	378	228	254	327	-3.74	-2.36
LPG	69	40	178	414	333	294	319	+6.05	-4.25
All other oil & petroleum products	1 717	235	506	455	420	437	503	-4.62	+1.65
Natural gas	2 362	1 159	1 238	1 147	767	870	1 023	-3.17	-1.89
Derived gases			3	74	47	62	81		+1.55
Solid biomass & charcoal	1 169	803	803	1 025	1 028	1 032	1 036	-0.46	+0.17
Liquid biofuels									
All other renewable energies				5	8	9	7		+5.62
Non-renewable wastes									
Electricity	2 781	2 347	2 207	2 370	2 239	2 317	2 350	-0.65	-0.14
Derived heat	551	420	1 071	818	621	716	730	+1.08	-1.89
<b>Statistical difference</b>	- 203	- 68	- 401	- 106	- 69	- 94	- 163		
<b>Final non-energy consumption</b>	426	242	387	808	526	603	851	+2.70	+0.87
<b>Final energy consumption</b>	11 842	6 941	9 572	8 997	7 831	8 156	8 603	-1.22	-0.74
Industry	4 610	2 172	3 507	2 603	2 060	2 296	2 486	-2.35	-0.77
Transport	1 668	825	2 255	2 274	2 113	2 050	2 149	+0.98	-0.94
Road transport	1 485	773	2 184	2 180	1 994	1 937	1 978	+1.11	-1.61
Domestic & International aviation	144	30	49	44	71	64	119	-0.72	+18.23
Other sectors	5 565	3 945	3 810	4 119	3 659	3 810	3 968	-1.29	-0.62
Services	60	26	587	909	739	825	836	+10.67	-1.40
Residential	2 934	3 127	3 114	3 091	2 760	2 832	2 941	+0.01	-0.83

Source: Eurostat (nrg\_100a)

Turkey, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	35 629	15 498	2 645	302		17 135	49		
+ Primary production receipt									
+ Other sources (recovered products)	443		443						
+ Recycled products									
+ Imports	112 715	23 557	50 448	38 166				544	
+ Stock changes	- 721	- 483	- 589	351					
- Exports	7 392	157	6 553	557				125	
- Bunkers	860		860						
- Direct use	20		20						
<b>Gross inland consumption</b>	<b>139 794</b>	<b>38 414</b>	<b>45 514</b>	<b>38 262</b>		<b>17 135</b>	<b>49</b>	<b>419</b>	
<b>Transformation input</b>	<b>78 461</b>	<b>26 756</b>	<b>30 972</b>	<b>15 830</b>		<b>4 518</b>	<b>49</b>		<b>336</b>
+ Conventional thermal power stations	42 179	21 410	415	15 450		4 518	49		336
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens	4 093	4 093							
+ Blast furnaces	1 252	1 252							
+ Gas works									
+ Refineries	30 557		30 557						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	380			380					
<b>Transformation output</b>	<b>53 153</b>	<b>3 007</b>	<b>30 553</b>	<b>1 939</b>				<b>16 390</b>	<b>1 263</b>
+ Conventional thermal power stations	17 318							16 390	928
+ Nuclear power stations									
+ District heating plants	336								336
+ Coke ovens	3 694	3 007		687					
+ Blast furnaces	1 252			1 252					
+ Gas works									
+ Refineries	30 553		30 553						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>- 15</b>		<b>- 15</b>			<b>- 7 205</b>		<b>7 205</b>	
<b>Consumption of the energy branch</b>	<b>5 960</b>	<b>345</b>	<b>2 646</b>	<b>1 656</b>				<b>1 314</b>	
<b>Distribution losses</b>	<b>3 065</b>			<b>3</b>				<b>3 062</b>	
<b>Available for final consumption</b>	<b>105 446</b>	<b>14 321</b>	<b>42 435</b>	<b>22 712</b>		<b>5 412</b>		<b>19 639</b>	<b>928</b>
<b>Statistical difference</b>	<b>795</b>	<b>89</b>	<b>672</b>	<b>65</b>		<b>- 31</b>			
<b>Final non-energy consumption</b>	<b>8 097</b>		<b>7 452</b>	<b>645</b>					
<b>Final energy consumption</b>	<b>96 554</b>	<b>14 232</b>	<b>34 310</b>	<b>22 002</b>		<b>5 442</b>		<b>19 639</b>	<b>928</b>
+ Industry	29 062	8 475	839	9 462		288		9 071	928
+ Iron and Steel	6 913	2 960	48	1 958				1 947	
+ Chemical and Petrochemical	2 935	578	93	1 799				465	
+ Non-ferrous metals	960	209		482				270	
+ Non-metallic minerals	5 829	2 985	83	1 540				1 221	
+ Transport eEquipment	184	2	35	147					
+ Machinery	728	34	3	137				554	
+ Mining and Quarrying	522	24	278	90				130	
+ Food, Beverages and Tobacco	2 509	766	84	1 022				638	
+ Paper, Pulp and Printing	746	204	24	226				292	
+ Wood and Wood products	449	17	11	165				256	
+ Construction	851	1	139	451				260	
+ Textile and Leather	2 963	687	3	903				1 369	
+ Not elsewhere specified (Industry)	3 473	8	39	542		288		1 670	928
+ Transport	30 533		29 971	326		136		99	
+ Rail	185		109					76	
+ Road	24 772		24 568	67		136			
+ International aviation	3 552		3 552						
+ Domestic aviation	1 431		1 431						
+ Domestic navigation	311		311						
+ Pipeline transport	283			259				23	
+ Not elsewhere specified (Transport)									
+ Other sectors	36 959	5 758	3 500	12 214		5 018		10 469	
+ Commercial and public services	12 417	3 705	680	2 551				5 481	
+ Residential	20 711	2 053	250	9 567		4 438		4 403	
+ Agriculture / Forestry	3 686		2 477	56		580		574	
+ Fishing	145		93	40				12	
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Turkey	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	24 940	26 413	23 710	31 474	28 730	31 356	35 629	+1.38	+2.09
Solid fossil fuels	11 387	13 023	10 575	16 741	13 814	12 798	15 498	+1.19	-1.28
Crude oil & other hydrocarbons	3 720	2 759	2 264	2 541	2 534	2 566	2 645	-1.30	+0.67
Natural gas	175	526	739	562	395	314	302	+2.14	-9.81
Nuclear heat									
Renewable energies	9 658	10 102	10 131	11 627	11 985	15 645	17 135	+2.23	+6.68
Non-renewable wastes		2	3	4	3	33	49		+52.86
<b>Net imports</b>	27 041	50 819	62 035	75 091	93 575	102 791	105 323	+5.37	+5.80
Solid fossil fuels	3 915	9 059	11 712	14 653	19 338	21 877	23 399	+7.12	+8.11
Crude oil & other hydrocarbons	20 104	21 563	23 446	17 175	17 649	25 231	25 091	+0.86	+6.52
Petroleum products	403	7 857	4 843	12 544	16 027	15 982	18 805	+15.92	+6.98
Natural gas	2 682	12 051	22 134	30 786	40 039	39 362	37 609	+10.69	+3.39
Renewable energies					70				
<b>Gross inland consumption</b>	51 001	76 963	85 301	105 931	121 521	131 669	139 794	+3.95	+4.73
Solid fossil fuels	15 570	22 811	22 391	31 202	33 456	34 547	38 414	+3.53	+3.53
Crude oil & petroleum products	22 980	31 121	30 085	31 769	35 350	41 722	45 514	+2.66	+6.18
Gas	2 855	12 638	22 792	31 395	40 205	39 383	38 262	+10.50	+3.35
Nuclear heat									
Renewable energies	9 658	10 102	10 131	11 627	12 055	15 645	17 135	+2.23	+6.68
Non-renewable wastes		2	3	4	3	33	49		+52.86
<b>Transformation input</b>	36 546	47 919	53 500	57 591	69 521	75 432	78 461	+2.98	+5.29
Conventional thermal power stations	9 108	20 050	23 415	32 243	41 200	39 315	42 179	+6.07	+4.58
Nuclear power stations									
District heating plants									
Coke-ovens	3 519	3 101	3 170	3 981	4 280	4 409	4 093	+0.58	+0.47
Blast-furnaces	763	832	918	926	1 252	1 353	1 252	+1.92	+5.16
Refineries	23 074	23 936	25 949	20 359	22 622	30 011	30 557	+1.09	+7.00
BKB / PB plants	11	1	48						
<b>Transformation output</b>	29 644	35 800	40 921	39 637	46 429	52 148	53 153	+2.27	+5.01
Conventional thermal power stations	2 957	8 470	11 369	14 682	18 592	16 708	17 318	+7.03	+2.79
Nuclear power stations									
District heating plants		15	25	35	103	158	336		+45.53
Coke-ovens	2 781	2 552	2 608	3 639	3 864	3 923	3 694	+1.10	+0.25
Blast-furnaces	763	832	918	926	1 252	1 353	1 252	+1.92	+5.16
Refineries	23 070	23 931	25 944	20 355	22 618	30 006	30 553	+1.09	+7.00
BKB / PB plants	18	1	57						
of which: electricity	2 957	8 083	10 519	13 456	17 436	15 717	16 390	+6.81	+3.34
of which: derived heat		401	875	1 261	1 259	1 149	1 263		+0.03
<b>Exchanges, transfers and returns</b>	- 2	- 4	- 2	- 21	- 49	49	- 15		
<b>Consumption of the energy branch</b>	2 146	2 737	2 719	3 419	3 930	4 937	5 960	+4.01	+9.70
<b>Distribution losses</b>	591	2 083	2 138	2 602	3 211	3 144	3 065	+6.54	+2.77
<b>Energy available for final consumption</b>	41 360	60 021	67 863	81 935	91 239	100 355	105 446	+3.67	+4.29
Solid fossil fuels	7 902	11 218	11 247	15 956	12 761	13 731	14 321	+2.31	-1.79
Gas/Diesel Oil (w/o bio)	7 539	8 528	10 273	14 799	18 068	20 085	21 907	+4.19	+6.76
Motor Gasoline (w/o bio)	3 427	3 881	2 867	2 189	2 023	2 134	2 320	-1.49	+0.97
Kerosene Type Jet Fuel	480	1 261	2 010	1 629	3 737	4 934	4 982	+9.42	+20.48
Naphtha	1 545	1 350	738	1 183	762	207	125	-9.23	-31.28
LPG	1 758	4 934	4 563	4 039	4 239	4 401	4 677	+3.84	+2.48
All other oil & petroleum products	5 898	7 008	6 849	6 033	4 658	7 568	8 424	+1.38	+5.72
Natural gas	711	5 125	10 049	13 353	19 746	21 250	21 813	+14.08	+8.52
Derived gases	636	748	722	644	875	954	899	+1.34	+5.71
Solid biomass & charcoal	7 207	6 456	5 324	4 435	3 115	2 804	2 589	-3.86	-8.58
Liquid biofuels				7	140	108	106		+57.08
All other renewable energies	392	880	1 311	1 823	2 294	2 718	2 717	+7.73	+6.87
Non-renewable wastes									
Electricity	3 865	8 244	11 061	14 619	17 665	18 470	19 639	+6.45	+5.04
Derived heat		387	850	1 226	1 156	991	928		-4.54
<b>Statistical difference</b>	- 415	344	45	34	- 432	101	795		
<b>Final non-energy consumption</b>	2 807	3 521	4 429	7 202	5 561	7 005	8 097	+4.16	+1.97
<b>Final energy consumption</b>	38 968	56 156	63 390	74 699	86 110	93 248	96 554	+3.55	+4.37
Industry	12 021	20 990	22 452	24 888	27 676	28 850	29 062	+3.45	+2.62
Transport	9 511	12 396	13 617	15 953	23 667	28 175	30 533	+4.59	+11.43
Road transport	8 517	10 633	10 814	13 359	18 897	22 458	24 772	+4.19	+10.84
Domestic & International aviation	480	1 261	2 010	1 629	3 737	4 934	4 982	+9.42	+20.48
Other sectors	17 436	22 769	27 320	33 858	34 768	36 223	36 959	+2.93	+1.47
Services	891	2 493	4 943	9 493	11 022	12 196	12 417	+10.66	+4.58
Residential	14 560	17 342	19 049	19 376	19 165	20 141	20 711	+1.36	+1.12

Source: Eurostat (nrg\_100a)

Kosovo (UNSCR 1244/99), 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	2 016	1 640				375			
+ Primary production receipt									
+ Other sources (recovered products)									
+ Recycled products									
+ Imports	742	1	681			12		48	
+ Stock changes	50	50							
- Exports	104	3	9					91	
- Bunkers									
- Direct use									
<b>Gross inland consumption</b>	<b>2 704</b>	<b>1 688</b>	<b>672</b>			<b>387</b>		<b>- 44</b>	
<b>Transformation input</b>	<b>1 594</b>	<b>1 588</b>	<b>6</b>						
+ Conventional thermal power stations	1 593	1 588	5						
+ Nuclear power stations									
+ District heating plants	1		1						
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>512</b>							<b>493</b>	<b>19</b>
+ Conventional thermal power stations	493							493	
+ Nuclear power stations									
+ District heating plants	19								19
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries									
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>						<b>- 21</b>		<b>21</b>	
<b>Consumption of the energy branch</b>	<b>39</b>							<b>37</b>	<b>2</b>
<b>Distribution losses</b>	<b>104</b>							<b>101</b>	<b>3</b>
<b>Available for final consumption</b>	<b>1 479</b>	<b>100</b>	<b>666</b>			<b>366</b>		<b>333</b>	<b>14</b>
<b>Statistical difference</b>	<b>1</b>	<b>1</b>	<b>0</b>					<b>- 0</b>	<b>0</b>
<b>Final non-energy consumption</b>	<b>41</b>		<b>41</b>						
<b>Final energy consumption</b>	<b>1 437</b>	<b>100</b>	<b>625</b>			<b>366</b>		<b>333</b>	<b>13</b>
+ Industry	281	26	150			16		90	
+ Iron and Steel	76	21	13			0		42	
+ Chemical and Petrochemical	1		1			0		0	
+ Non-ferrous metals	22		21					1	
+ Non-metallic minerals	77		73			0		4	
+ Transport eEquipment									
+ Machinery	1					0		1	
+ Mining and Quarrying	3		3						
+ Food, Beverages and Tobacco	52	4	9			7		32	
+ Paper, Pulp and Printing	0							0	
+ Wood and Wood products									
+ Construction	0	0							
+ Textile and Leather									
+ Not elsewhere specified (Industry)	48	0	29			9		11	
+ Transport	400		400						
+ Rail	2		2						
+ Road	394		394						
+ International aviation	4		4						
+ Domestic aviation									
+ Domestic navigation									
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	756	74	75			351		243	13
+ Commercial and public services	177	64	47			10		52	5
+ Residential	549	9	13			337		182	9
+ Agriculture / Forestry	29	1	16			3		9	
+ Fishing									
+ Not elsewhere specified (Other)									

Source: Eurostat (nrg\_100a)

Kosovo (UNSCR 1244/99)	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>		1 097	1 398	1 861	1 605	1 804	2 016		+1.34
Solid fossil fuels		930	1 221	1 612	1 342	1 536	1 640		+0.29
Crude oil & other hydrocarbons									
Natural gas									
Nuclear heat									
Renewable energies		168	176	249	263	268	375		+7.09
Non-renewable wastes									
<b>Net imports</b>		420	550	619	603	697	639		+0.52
Solid fossil fuels		9	19	26	3	- 2	- 2		
Crude oil & other hydrocarbons									
Petroleum products		330	459	552	555	680	672		+3.35
Natural gas									
Renewable energies		49	50	1	2	7	12		+45.63
<b>Gross inland consumption</b>		1 548	1 950	2 516	2 217	2 525	2 704		+1.20
Solid fossil fuels		969	1 242	1 675	1 355	1 558	1 688		+0.13
Crude oil & petroleum products		330	459	552	555	680	672		+3.35
Gas									
Nuclear heat									
Renewable energies		216	226	250	265	276	387		+7.56
Non-renewable wastes									
<b>Transformation input</b>		946	1 216	1 610	1 315	1 523	1 594		-0.18
Conventional thermal power stations		939	1 206	1 604	1 309	1 522	1 593		-0.12
Nuclear power stations									
District heating plants		8	11	7	6	1	1		-27.70
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
<b>Transformation output</b>		257	384	436	460	528	512		+2.71
Conventional thermal power stations		250	374	431	454	514	493		+2.28
Nuclear power stations									
District heating plants		7	10	6	6	14	19		+22.87
Coke-ovens									
Blast-furnaces									
Refineries									
BKB / PB plants									
of which: electricity		250	374	431	454	514	493		+2.28
of which: derived heat		7	10	6	6	14	19		+22.87
<b>Exchanges, transfers and returns</b>									
<b>Consumption of the energy branch</b>		29	40	52	38	55	39		-4.70
<b>Distribution losses</b>		60	91	81	71	88	104		+4.25
<b>Energy available for final consumption</b>		768	985	1 209	1 254	1 386	1 479		+3.42
Solid fossil fuels		37	45	77	51	40	100		+4.55
Gas/Diesel Oil (w/o bio)		172	241	289	338	397	437		+7.16
Motor Gasoline (w/o bio)		54	76	84	70	70	73		-2.20
Kerosene Type Jet Fuel				12	2	4	4		-16.73
Naphtha									
LPG		32	41	50	34	38	38		-4.40
All other oil & petroleum products		58	81	104	101	165	113		+1.44
Natural gas									
Derived gases									
Solid biomass & charcoal		212	216	236	251	263	366		+7.55
Liquid biofuels									
All other renewable energies		0	0	0	0	0	0		+5.77
Non-renewable wastes									
Electricity		199	278	353	402	398	333		-0.97
Derived heat		5	6	4	4	10	14		+24.15
<b>Statistical difference</b>		- 2	- 0	- 1	- 13	- 6	1		
<b>Final non-energy consumption</b>		6	7	7	34	48	41		+34.41
<b>Final energy consumption</b>		764	979	1 203	1 233	1 344	1 437		+3.00
Industry		150	189	277	245	307	281		+0.23
Transport		192	271	332	346	384	400		+3.13
Road transport		191	270	319	343	378	394		+3.57
Domestic & International aviation				12	2	4	4		-16.73
Other sectors		422	519	594	642	652	756		+4.11
Services		112	137	112	139	148	177		+7.91
Residential		277	345	462	480	476	549		+2.93

Source: Eurostat (nrg\_100a)

Ukraine, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	60 732	17 917	2 475	15 175	21 033	4 132			
+ Primary production receipt									
+ Other sources (recovered products)	2 236	2 229	7						
+ Recycled products									
+ Imports	29 287	10 747	9 686	8 809		38		7	
+ Stock changes	510	- 528	- 581	1 620		- 1			
- Exports	1 445	516	49			550		329	
- Bunkers									
- Direct use	7		7						
<b>Gross inland consumption</b>	<b>91 313</b>	<b>29 849</b>	<b>11 531</b>	<b>25 603</b>	<b>21 033</b>	<b>3 619</b>		<b>- 323</b>	
<b>Transformation input</b>	<b>66 806</b>	<b>30 304</b>	<b>4 614</b>	<b>9 546</b>	<b>21 033</b>	<b>1 252</b>			<b>59</b>
+ Conventional thermal power stations	21 082	15 930	606	4 227		260			59
+ Nuclear power stations	21 033				21 033				
+ District heating plants	7 947	1 247	825	5 318		557			
+ Coke ovens	10 044	10 044							
+ Blast furnaces	2 806	2 806							
+ Gas works	38	38							
+ Refineries	3 183		3 183						
+ Patent fuel plants									
+ BKB/PB plants	103	103							
+ Charcoal production plants	435					435			
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input	136	136							
<b>Transformation output</b>	<b>41 419</b>	<b>9 426</b>	<b>3 188</b>	<b>4 751</b>		<b>140</b>		<b>13 226</b>	<b>10 689</b>
+ Conventional thermal power stations	9 776							6 266	3 510
+ Nuclear power stations	7 112							6 960	151
+ District heating plants	7 028								7 028
+ Coke ovens	11 253	9 308		1 945					
+ Blast furnaces	2 806			2 806					
+ Gas works									
+ Refineries	3 188		3 188						
+ Patent fuel plants									
+ BKB/PB plants	118	118							
+ Charcoal production plants	140					140			
<b>Exchanges, transfers and returns</b>	<b>15</b>		<b>15</b>			<b>- 784</b>		<b>784</b>	
<b>Consumption of the energy branch</b>	<b>4 624</b>	<b>118</b>	<b>50</b>	<b>1 501</b>		<b>0</b>		<b>1 622</b>	<b>1 332</b>
<b>Distribution losses</b>	<b>3 388</b>	<b>2</b>	<b>9</b>	<b>926</b>				<b>1 430</b>	<b>1 022</b>
<b>Available for final consumption</b>	<b>57 929</b>	<b>8 851</b>	<b>10 061</b>	<b>18 381</b>		<b>1 724</b>		<b>10 636</b>	<b>8 276</b>
<b>Statistical difference</b>	<b>1 099</b>		<b>317</b>	<b>181</b>		<b>- 1</b>		<b>538</b>	<b>65</b>
<b>Final non-energy consumption</b>	<b>2 950</b>	<b>520</b>	<b>642</b>	<b>1 787</b>					
<b>Final energy consumption</b>	<b>53 880</b>	<b>8 331</b>	<b>9 102</b>	<b>16 413</b>		<b>1 725</b>		<b>10 098</b>	<b>8 211</b>
+ Industry	19 967	7 867	175	5 005		51		4 294	2 575
+ Iron and Steel	13 278	7 172	52	3 709		14		1 797	533
+ Chemical and Petrochemical	1 009	2	2	205		0		255	544
+ Non-ferrous metals	596	96	1	129				127	243
+ Non-metallic minerals	1 203	573	14	364		3		192	58
+ Transport eEquipment	123		6	15		0		61	41
+ Machinery	410	1	4	101		2		211	92
+ Mining and Quarrying	1 223	1	26	286		0		818	92
+ Food, Beverages and Tobacco	1 275	20	18	152		9		362	715
+ Paper, Pulp and Printing	214	0	1	18		0		75	118
+ Wood and Wood products	162		4	3		21		48	86
+ Construction	136	1	43	10		1		70	11
+ Textile and Leather	49		1	5		0		26	16
+ Not elsewhere specified (Industry)	290		2	8		1		252	28
+ Transport	9 290	6	7 262	1 399		38		584	
+ Rail	600	4	108					488	
+ Road	7 010		6 943	28		38			
+ International aviation	157		157						
+ Domestic aviation									
+ Domestic navigation	48		48						
+ Pipeline transport	1 410		6	1 369				35	
+ Not elsewhere specified (Transport)	66		1	2				61	
+ Other sectors	24 622	458	1 665	10 009		1 635		5 220	5 635
+ Commercial and public services	4 860	161	104	584		109		1 827	2 074
+ Residential	17 603	289	115	9 286		1 506		3 088	3 318
+ Agriculture / Forestry	2 126	8	1 414	139		20		302	244
+ Fishing	4		2					2	
+ Not elsewhere specified (Other)	30		30						

Source: Eurostat (nrg\_100a)

Ukraine	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>	135 768	76 184	78 872	77 259	70 993	60 020	60 732	-3.05	-3.93
Solid fossil fuels	86 808	36 345	34 677	32 242	26 885	16 923	17 917	-5.89	-9.33
Crude oil & other hydrocarbons	5 447	3 656	4 335	3 630	2 839	2 322	2 475	-2.99	-6.18
Natural gas	22 599	15 001	15 638	15 436	15 049	14 818	15 175	-1.52	-0.28
Nuclear heat	19 651	19 950	22 895	23 150	22 957	22 753	21 033	+0.26	-1.59
Renewable energies	1 264	1 231	1 328	2 801	3 262	3 204	4 132	+4.66	+6.69
Non-renewable wastes									
<b>Net imports</b>	122 778	57 441	59 490	41 934	27 464	30 111	27 842	-5.55	-6.60
Solid fossil fuels	- 4 739	2 116	2 624	2 883	5 492	9 511	10 231		+23.51
Crude oil & other hydrocarbons	55 610	5 667	14 679	7 968	125	181	555	-16.24	-35.85
Petroleum products	872	2 722	- 5 358	1 963	7 323	7 749	9 081	+9.43	+29.08
Natural gas	73 483	47 268	48 263	29 555	15 724	13 292	8 809	-7.83	-18.27
Renewable energies				- 85	- 474	- 506	- 512		+34.81
<b>Gross inland consumption</b>	255 818	133 626	140 907	132 594	104 990	88 846	91 313	-3.88	-6.03
Solid fossil fuels	82 550	38 461	37 307	38 156	35 652	27 151	29 849	-3.84	-4.01
Crude oil & petroleum products	62 948	12 045	14 430	13 653	10 862	10 293	11 531	-6.32	-2.78
Gas	91 854	62 269	65 665	55 250	33 445	26 062	25 603	-4.79	-12.03
Nuclear heat	19 651	19 950	22 895	23 150	22 957	22 753	21 033	+0.26	-1.59
Renewable energies	1 264	1 231	1 328	2 734	2 799	2 704	3 619	+4.13	+4.79
Non-renewable wastes									
<b>Transformation input</b>	237 310	100 838	109 355	94 315	73 382	63 488	66 806	-4.76	-5.59
Conventional thermal power stations	59 858	22 672	24 340	26 132	24 541	20 450	21 082	-3.93	-3.52
Nuclear power stations	19 651	19 950	22 895	23 150	22 957	22 753	21 033	+0.26	-1.59
District heating plants	49 318	23 784	17 617	10 563	6 768	5 772	7 947	-6.78	-4.63
Coke-ovens	37 240	20 893	20 381	18 391	12 108	8 474	10 044	-4.92	-9.59
Blast-furnaces	5 902	3 001	3 417	3 556	2 973	2 607	2 806	-2.82	-3.88
Refineries	61 057	9 323	19 439	12 062	3 332	2 725	3 183	-10.74	-19.91
BKB / PB plants			103	90	91	94	103		+2.29
<b>Transformation output</b>	171 051	59 948	71 832	62 527	44 180	38 140	41 419	-5.31	-6.63
Conventional thermal power stations	22 218	9 659	11 538	12 200	11 375	9 352	9 776	-3.11	-3.63
Nuclear power stations	6 550	6 650	7 632	7 819	7 757	7 683	7 112	+0.32	-1.57
District heating plants	37 068	15 284	12 652	9 946	6 253	5 339	7 028	-6.20	-5.62
Coke-ovens	31 622	14 738	16 913	16 691	12 256	10 206	11 253	-3.90	-6.36
Blast-furnaces	5 902	3 001	3 417	3 556	2 973	2 607	2 806	-2.82	-3.88
Refineries	61 135	9 319	19 429	12 065	3 331	2 717	3 188	-10.74	-19.89
BKB / PB plants	2 008	186	169	130	113	118	118	-10.34	-1.72
<i>of which: electricity</i>	24 773	13 757	14 919	15 101	14 784	13 340	13 226	-2.38	-2.18
<i>of which: derived heat</i>	41 063	17 837	16 902	14 864	10 601	9 033	10 689	-5.04	-5.35
<b>Exchanges, transfers and returns</b>				56	30	24	15		
<b>Consumption of the energy branch</b>	12 842	5 021	6 381	6 950	4 636	3 933	4 624	-3.85	-6.57
<b>Distribution losses</b>	14 621	8 636	8 041	4 205	3 556	3 294	3 388	-5.47	-3.53
<b>Energy available for final consumption</b>	162 096	79 078	88 962	89 707	67 626	56 296	57 929	-3.88	-7.03
Solid fossil fuels	32 782	12 101	13 563	10 400	11 049	8 692	8 851	-4.91	-2.65
Gas/Diesel Oil (w/o bio)	14 650	4 700	5 221	5 621	5 659	5 571	5 442	-3.74	-0.54
Motor Gasoline (w/o bio)	11 518	4 020	4 998	4 589	2 981	2 168	2 225	-6.13	-11.37
Kerosene Type Jet Fuel	2 063	262	374						
Naphtha									
LPG	1 094	314	574	804	956	1 007	1 604	+1.48	+12.20
All other oil & petroleum products	9 966	1 554	2 130	1 752	585	1 008	790	-9.29	-12.42
Natural gas	33 231	28 514	35 118	37 986	21 832	16 068	15 854	-2.81	-13.55
Derived gases	8 130	4 335	3 613	3 479	2 924	2 415	2 527	-4.39	-5.19
Solid biomass & charcoal	311	249	222	984	1 160	1 248	1 686	+6.71	+9.40
Liquid biofuels					42	35	37		
All other renewable energies									
Non-renewable wastes									
Electricity	17 673	9 758	10 585	11 534	11 504	10 733	10 636	-1.93	-1.34
Derived heat	30 678	13 271	12 565	12 559	8 935	7 350	8 276	-4.91	-6.72
<b>Statistical difference</b>	- 2 490	181	81	9 614	1 289	608	1 099		
<b>Final non-energy consumption</b>	6 466	1 213	8 625	5 611	3 538	3 349	2 950	-2.97	-10.16
<b>Final energy consumption</b>	158 120	77 684	80 256	74 482	62 798	52 339	53 880	-4.06	-5.25
Industry	91 492	39 049	38 850	30 738	25 288	21 145	19 967	-5.69	-6.94
Transport	21 513	10 697	12 149	13 191	10 430	8 844	9 290	-3.18	-5.68
<i>Road transport</i>	15 806	6 488	7 229	8 590	7 166	6 396	7 010	-3.08	-3.33
<i>Domestic &amp; International aviation</i>	2 063	264	403	276	131	123	157	-9.44	-9.02
Other sectors	45 115	27 939	29 257	30 553	27 080	22 351	24 622	-2.30	-3.53
<i>Services</i>	1 200	1 601	2 182	4 655	4 665	3 839	4 860	+5.53	+0.72
<i>Residential</i>	33 180	24 464	24 241	23 857	20 412	16 562	17 603	-2.41	-4.94

Source: Eurostat (nrg\_100a)



Georgia, 2016 (ktoe)	Total (all products)	Solid fossil fuels	Crude oil & petroleum products	Gas	Nuclear heat	Renewable energies	Non- renewable wastes	Electricity	Derived heat
+ Primary production	1 377	121	40	6		1 211			
+ Primary production receipt	41		41						
+ Other sources (recovered products)									
+ Recycled products									
+ Imports	3 743	163	1 581	1 885				114	
+ Stock changes	1	- 23	24						
- Exports	262	1	139				1	121	
- Bunkers									
- Direct use									
<b>Gross inland consumption</b>	<b>4 900</b>	<b>259</b>	<b>1 547</b>	<b>1 891</b>		<b>1 210</b>		<b>- 7</b>	
<b>Transformation input</b>	<b>474</b>	<b>11</b>	<b>27</b>	<b>436</b>					
+ Conventional thermal power stations	447	11		436					
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	27		27						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
+ Coal liquefaction plants									
+ For blended natural gas									
+ Gas-To-Liquids (GTL) plants									
+ Non-specified Transformation Input									
<b>Transformation output</b>	<b>219</b>		<b>27</b>					<b>192</b>	
+ Conventional thermal power stations	192							192	
+ Nuclear power stations									
+ District heating plants									
+ Coke ovens									
+ Blast furnaces									
+ Gas works									
+ Refineries	27		27						
+ Patent fuel plants									
+ BKB/PB plants									
+ Charcoal production plants									
<b>Exchanges, transfers and returns</b>	<b>7</b>		<b>7</b>			<b>- 803</b>		<b>803</b>	
<b>Consumption of the energy branch</b>	<b>20</b>	<b>0</b>	<b>1</b>					<b>19</b>	
<b>Distribution losses</b>	<b>183</b>			<b>114</b>		<b>2</b>		<b>67</b>	
<b>Available for final consumption</b>	<b>4 449</b>	<b>248</b>	<b>1 554</b>	<b>1 341</b>		<b>405</b>		<b>902</b>	
<b>Statistical difference</b>	<b>49</b>		<b>49</b>			<b>0</b>			
<b>Final non-energy consumption</b>	<b>300</b>		<b>114</b>	<b>186</b>					
<b>Final energy consumption</b>	<b>4 100</b>	<b>248</b>	<b>1 390</b>	<b>1 155</b>		<b>405</b>		<b>902</b>	
+ Industry	677	246	84	96		2		250	
+ Iron and Steel	220	86		11				123	
+ Chemical and Petrochemical	26			3				23	
+ Non-ferrous metals									
+ Non-metallic minerals	225	158	7	32				27	
+ Transport eEquipment	1			0				0	
+ Machinery	1			0				0	
+ Mining and Quarrying	29		16	2				11	
+ Food, Beverages and Tobacco	53	1		32		2		18	
+ Paper, Pulp and Printing	3			2				1	
+ Wood and Wood products	1	0		0				1	
+ Construction	84		60	12				11	
+ Textile and Leather	2			1				1	
+ Not elsewhere specified (Industry)	33			1				32	
+ Transport	1 520		1 264	231				26	
+ Rail	37		11					26	
+ Road	1 409		1 178	231					
+ International aviation	73		73						
+ Domestic aviation	1		1						
+ Domestic navigation	1		1						
+ Pipeline transport									
+ Not elsewhere specified (Transport)									
+ Other sectors	1 902	2	43	828		403		626	
+ Commercial and public services	435	1	11	160		16		248	
+ Residential	1 273	1	18	660		387		208	
+ Agriculture / Forestry	28		14	9		1		5	
+ Fishing									
+ Not elsewhere specified (Other)	166							166	

Source: Eurostat (nrg\_100a)

Georgia	ktoe							average annual growth rate	
	1990	2000	2005	2010	2014	2015	2016	90 > 16	10 > 16
<b>Primary production</b>							1 377		
Solid fossil fuels							121		
Crude oil & other hydrocarbons							40		
Natural gas							6		
Nuclear heat									
Renewable energies							1 211		
Non-renewable wastes									
<b>Net imports</b>							3 481		
Solid fossil fuels							162		
Crude oil & other hydrocarbons							- 74		
Petroleum products							1 516		
Natural gas							1 885		
Renewable energies							- 1		
<b>Gross inland consumption</b>							4 900		
Solid fossil fuels							259		
Crude oil & petroleum products							1 547		
Gas							1 891		
Nuclear heat									
Renewable energies							1 210		
Non-renewable wastes									
<b>Transformation input</b>							474		
Conventional thermal power stations							447		
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries							27		
BKB / PB plants									
<b>Transformation output</b>							219		
Conventional thermal power stations							192		
Nuclear power stations									
District heating plants									
Coke-ovens									
Blast-furnaces									
Refineries							27		
BKB / PB plants									
<i>of which: electricity</i>							192		
<i>of which: derived heat</i>									
<b>Exchanges, transfers and returns</b>							7		
<b>Consumption of the energy branch</b>							20		
<b>Distribution losses</b>							183		
<b>Energy available for final consumption</b>							4 449		
Solid fossil fuels							248		
Gas/Diesel Oil (w/o bio)							662		
Motor Gasoline (w/o bio)							627		
Kerosene Type Jet Fuel							74		
Naphtha									
LPG							18		
All other oil & petroleum products							172		
Natural gas							1 341		
Derived gases									
Solid biomass & charcoal							386		
Liquid biofuels									
All other renewable energies							18		
Non-renewable wastes									
Electricity							902		
Derived heat									
<b>Statistical difference</b>							49		
<b>Final non-energy consumption</b>							300		
<b>Final energy consumption</b>							4 100		
Industry							677		
Transport							1 520		
<i>Road transport</i>							1 409		
<i>Domestic &amp; International aviation</i>							74		
Other sectors							1 902		
<i>Services</i>							435		
<i>Residential</i>							1 273		

Source: Eurostat (nrg\_100a)

# Sankey diagrams (Energy flow diagrams)

## Introduction

A Sankey diagram is a graphic illustration of flows - like energy, material or money - where they can be combined, split and traced through a series of events or stages. The width of each stream represents the amount of material or energy in the flow. Sankey diagrams, which are typically used to visualize energy transfers between processes, are named after the Matthew H. P. R. Sankey, who used this type of diagram in a publication on energy efficiency of a steam engine in 1898.

## Use for energy balances

Sankey diagrams are ideal for visually representing energy balances. This is because an energy balance represents the contribution and flow of various energy commodities (fuels, heat and electricity, i.e. energy carriers in a marketable form) into the different sectors of the economy (e.g. supply, transformation and consumption) in energy units. A Sankey diagram reproduces – in visual form – energy balances that are normally represented as a matrix (a table or a spreadsheet).

## Description of flows and nodes of the Sankey diagram

Energy commodities:

- enter the energy balance on the top/left (mainly from production or imports); and
- exit on the bottom/right (mainly through final consumption, exports and losses).

The middle part of the diagram also shows:

- which energy commodities are used in their original form; and
- which go through the transformation sector.

Natural gas used for heating in the residential sector is an example of a commodity being used in its original form (i.e. "Direct carry-over"). By contrast, natural gas transformed into electricity in a thermal power plant is an example of an energy commodity going through the transformation sector. The following sections describe the main groups of nodes and their meaning in relation to the energy balance.









The Sankey diagrams presented in this publication show energy products of the following fuel families:

- solid fuels (coal)
- total petroleum products (crude oil and derived petroleum products)
- gas
- nuclear heat
- derived heat
- renewable energies
- electricity
- waste.

Each fuel family is represented by a different colour.

Please see detailed description in our dedicated Statistics Explained article:

[http://ec.europa.eu/eurostat/statistics-explained/index.php/Sankey\\_diagrams\\_for\\_energy\\_balance](http://ec.europa.eu/eurostat/statistics-explained/index.php/Sankey_diagrams_for_energy_balance)

Legend	
	Solid fuels
	Total petroleum products
	Gas
	Renewable energies
	Waste (non-renewable)
	Derived heat
	Electrical energy
	Nuclear heat

## Methodology notes

The Sankey diagram tool takes its data from the "Sankey diagram dataset - annual data (nrg\_sankey)" in the Eurostat Energy database. The nrg\_sankey dataset takes its data from the "Complete energy balances - annual data (nrg\_110a)" dataset. There are some limitations on how some of the balance aggregates can be shown. For this reason, some balance aggregates have to be displayed in a different form and others cannot be displayed at all. This is mainly because negative flows cannot be represented visually. Therefore, to avoid having large artificial backflows, two adjustments have to be made:

- Fuels entering have to be displayed before the transformation sector. In this way, they also make sense for products consumed in transformation.
- Exiting fuels need to be displayed after the transformation sector. In this way, they also make sense for products produced in transformation.

## Modified and missing aggregates of energy balance in Sankey diagrams

Here are some examples of aggregates that are displayed in a different way or which cannot be displayed at all in the Sankey diagram:

- **Stock changes:** this aggregate from the energy balance does not appear in the Sankey diagram. Stock draw and stock build are displayed instead. A fuel taken from stocks (stock draw) can be consumed in the transformation sector, so it has to be displayed before this sector. Conversely, a fuel sent to stock (stock build) could have appeared only after transformation, so the flow in the Sankey diagram needs to be displayed after the transformation sector. For this reason, there is no "stock changes" flow in the Sankey diagram, but rather two distinct flows: "stock build" and "stock draw".
- **Gross inland consumption:** cannot be displayed in the Sankey diagram since it depends on net imports. Imports are displayed before the transformation sector and exports after the transformation sector for the same reasons as with stock changes above. This makes it impossible to show the net imports flow, as both flows cannot be meaningfully combined in the Sankey diagram.
- **Statistical difference:** statistical difference is simply a positive or negative number in the table of the energy balance. In the Sankey diagram, it is either an incoming or outgoing flow depending on its sign.
- **Imports and exports:** for aggregates of countries (e.g. EU-28), imports and exports are calculated as the sum of total imports or total exports for each of the countries included in the aggregate, without subtracting the internal trade between the countries of the aggregate (i.e. exports of one country of the aggregate to another country of the aggregate are included).

## New aggregates in Sankey diagrams

Conversely, some new aggregates need to be included in the display of the Sankey diagram. This is the case for the following aggregates, which are not shown in the energy balance:

- **Available from all sources:** the aggregate where all the entering flows converge, namely imports, production and stock draw
- **Transformation backflow:** the minimal backflow needed to cover all transformation inputs, for an exact definition see above
- **Direct carry-over:** the total amount of fuels which are directly consumed and do not go through transformation
- **Available after transformation:** the sum of transformation and direct carry-over

- **Final consumption:** the sum of the Final energy consumption and Final non-energy consumption energy balance flows. This is created only to introduce the statistical difference in a meaningful way in the display.

In addition, some flows shown separately in the energy balance are put together in the Sankey diagram. This is done especially when they are very small and where separating them does not add any value in the display. For an example of this see the "Other production" or "Transformation losses" nodes created exclusively for the Sankey diagram. The nodes are defined above.

## Small and negative flows

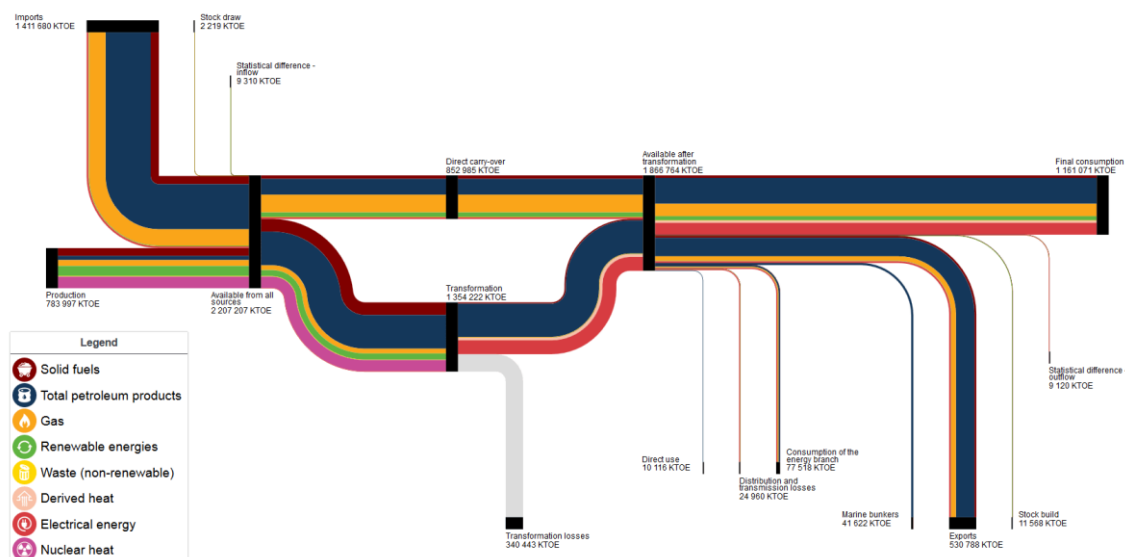
When handling very small flows in the Sankey diagram, a special methodology is needed. Some flows may even be negative due to statistical discrepancies. The method used is as follows: an ad hoc threshold is applied to decide whether any given fuel on display inside a Sankey diagram flow should be drawn or not. This threshold is subjective and reflects only the limitations on what can be shown, given the size of the screen resolution used to display the diagram. In detail, two rules are applied to each single flow in the Sankey tool:

- The entire flow is drawn only if the energy content of at least one fuel on display inside this flow, expressed in the currently selected unit, rounds to 1 or more.
- If the resulting width of a fuel inside this flow on the screen, expressed in pixels, is less than 0.5, it is increased to 0.5 pixels.

Nodes to which no flow is attached after this selection (i.e. none flowing in and none flowing out) are not drawn either.

## How to interpret a Sankey diagram

To illustrate how to interpret a Sankey diagram as displayed by the Eurostat Sankey tool, we have selected an example showing the Sankey for the EU-28 for 2014, showing details for fuel families.



If you look at the Sankey diagram, you can see that most of the energy available in the EU is imported, while only a smaller proportion is produced internally. In the example, around 36% of the energy comes from the Production flow, against 64% which is imported. The most of the energy available is in the form of total petroleum products (including crude oil), followed by natural gas, solid fuels, renewable energies and nuclear heat.

In the example, 62% of the total energy available in the EU goes into the transformation sector, while 38% is used without any transformation (i.e. Direct carry-over). The family petroleum products constitute almost half of the amount of fuels sent to Transformation - the Refineries sector deals with

44% of the fuels going into transformation.

The energy exported by the EU in 2014 consisted mainly of petroleum products.

The "Final energy consumption" node shows the amount of fuels consumed for energy purposes in the different final sectors (industry, transport, residential, commercial, etc.).

## How to access the interactive tool of Eurostat?

<http://ec.europa.eu/eurostat/cache/sankey/sankey.html>

## What you can do with the Sankey tool

You can use the Eurostat tool to perform a series of operations and access certain options and levels of detail depending on your preferences. Eurostat's Sankey diagrams are based on a series of nodes connected by energy balance flows:

- the flows represent input and output amounts
- the black nodes represent events or processes, e.g. imports, final energy consumption, etc.

Each flow is defined by 4 dimensions:

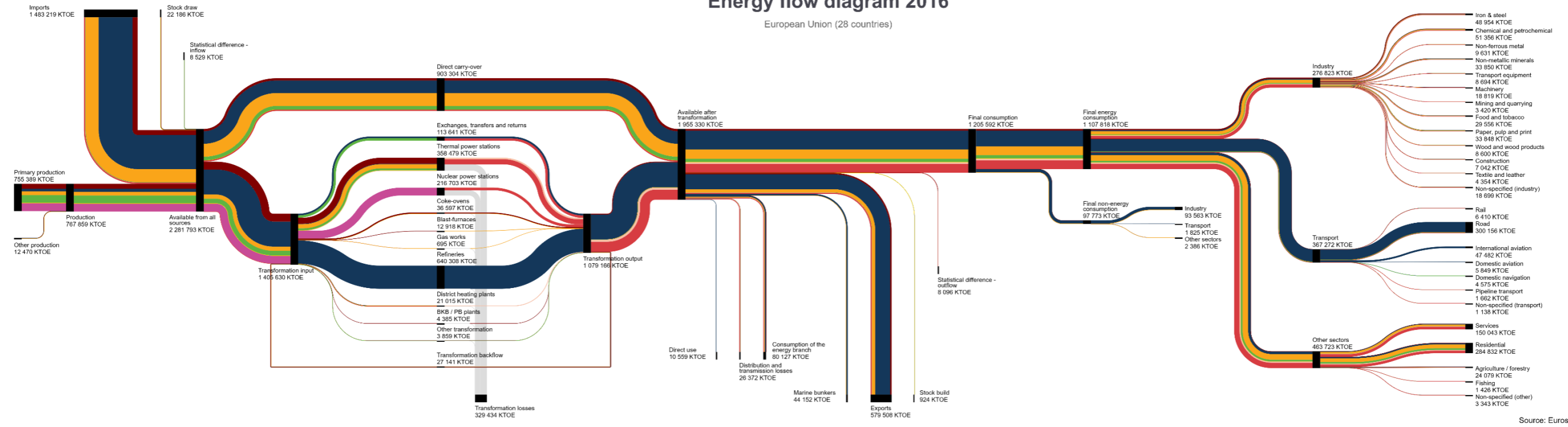
- the variable of the balance (e.g. "Final energy consumption")
- the energy product or product family (e.g. "Motor gasoline" or the "Total petroleum products")
- the country
- the year.

The flow amount can be expressed in different units of energy measurement, for example ktoe (thousand tonnes of oil equivalent), TJ (terajoules) and GWh (gigawatt hour). Only the non-zero combinations are displayed in the Sankey diagram.

# European Union (28 countries)

## Energy flow diagram 2016

European Union (28 countries)

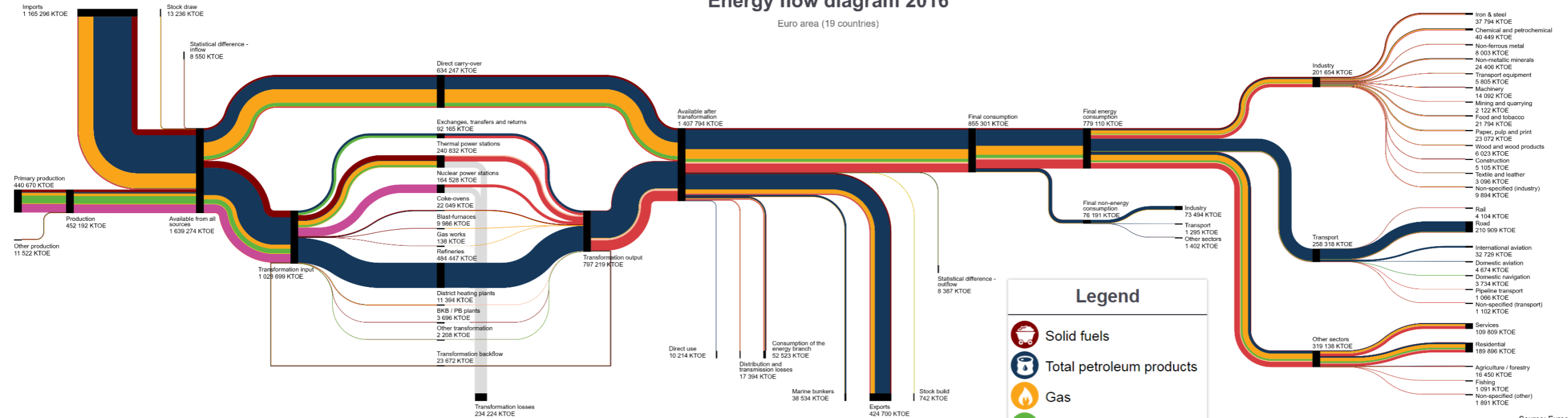


Source: Eurostat

# Euro area (19 countries)

## Energy flow diagram 2016

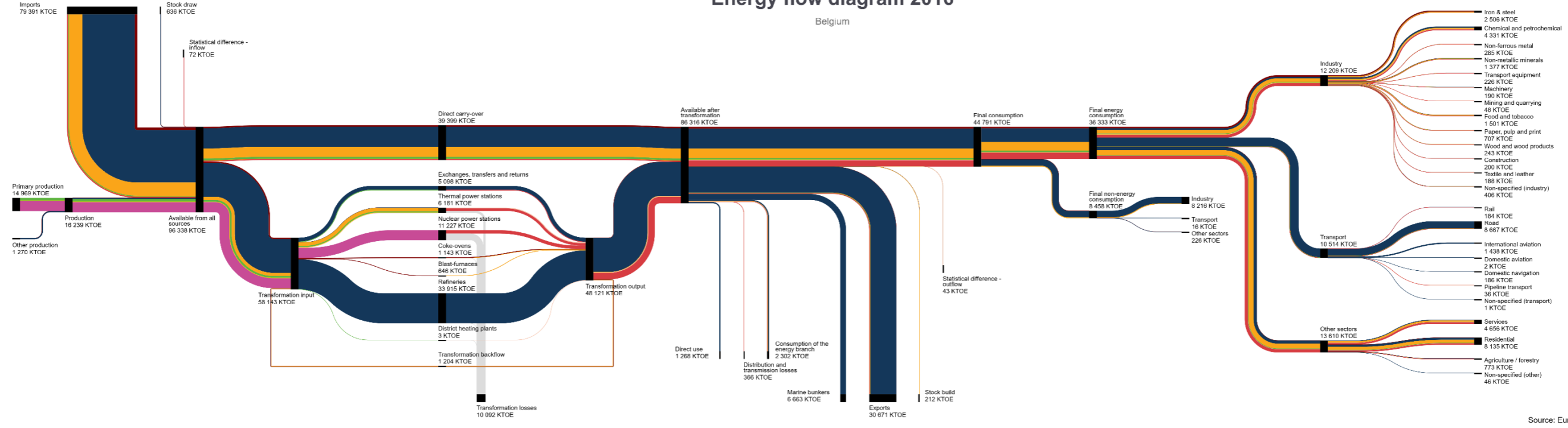
Euro area (19 countries)



Source: Eurostat

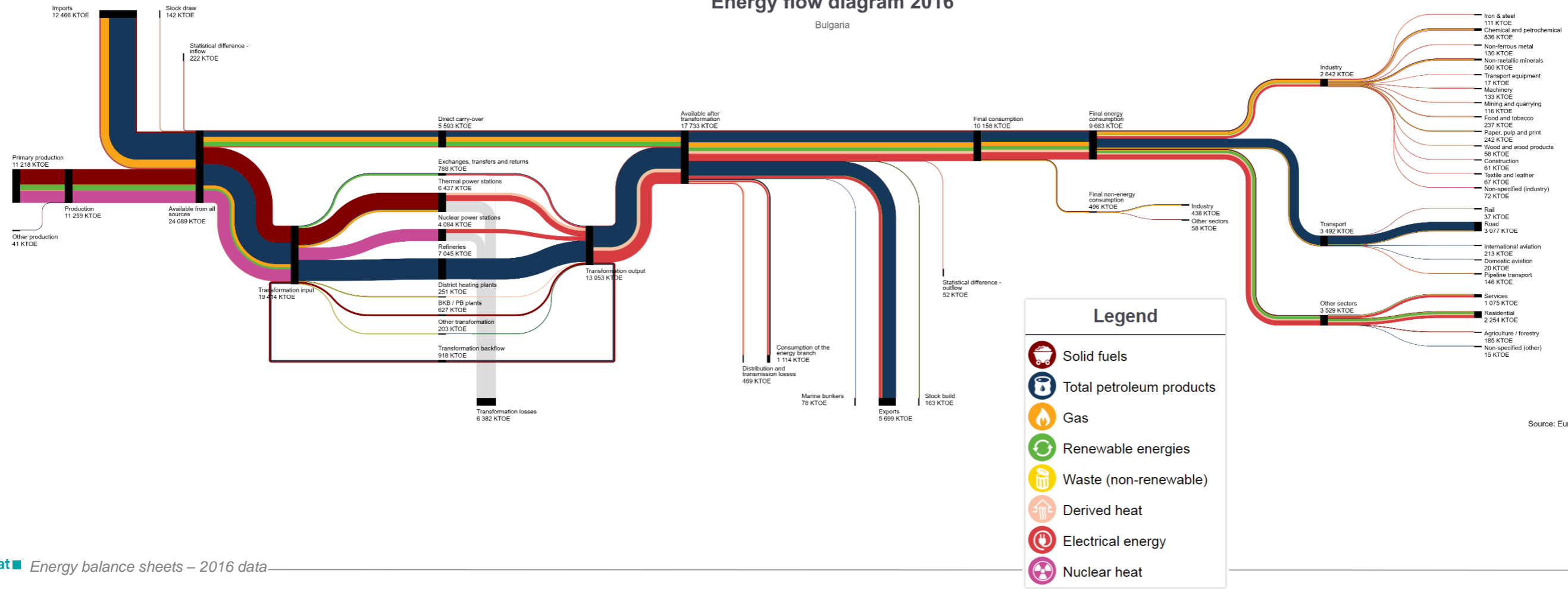
# Belgium

## Energy flow diagram 2016



# Bulgaria

## Energy flow diagram 2016

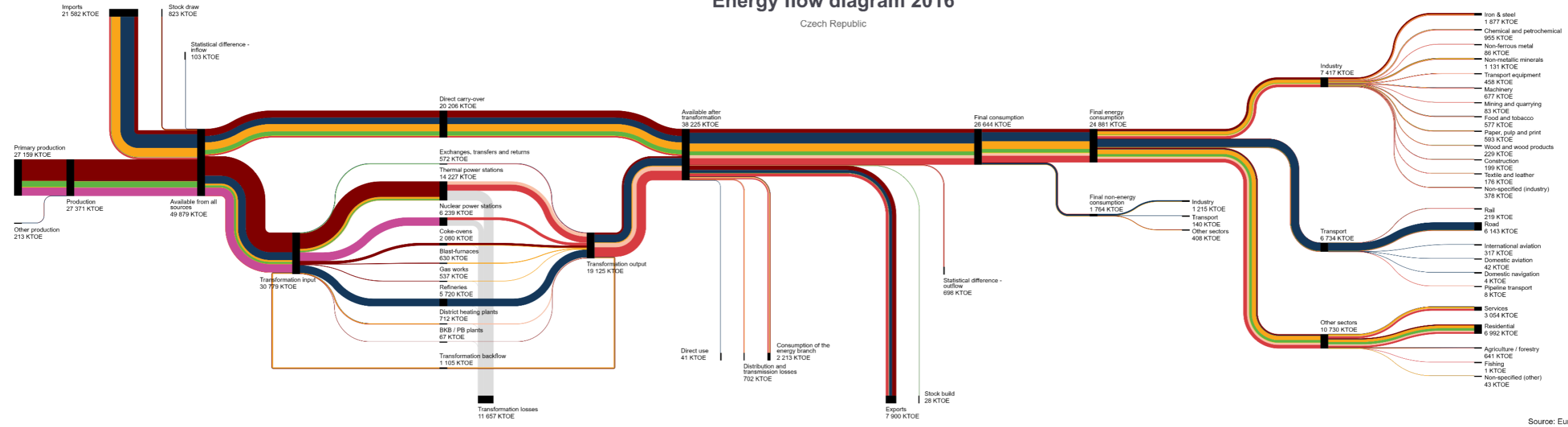




# Czech Republic

## Energy flow diagram 2016

Czech Republic

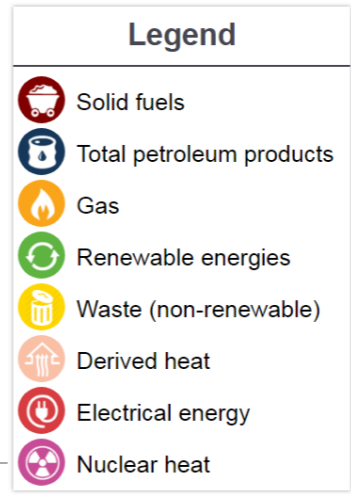
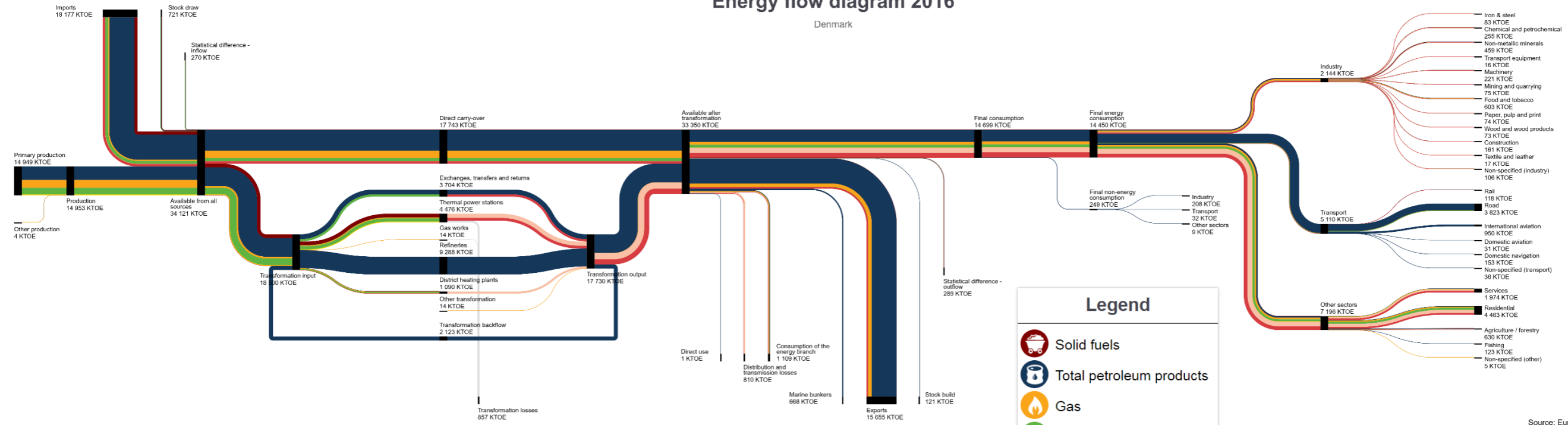


Source: Eurostat

# Denmark

## Energy flow diagram 2016

Denmark

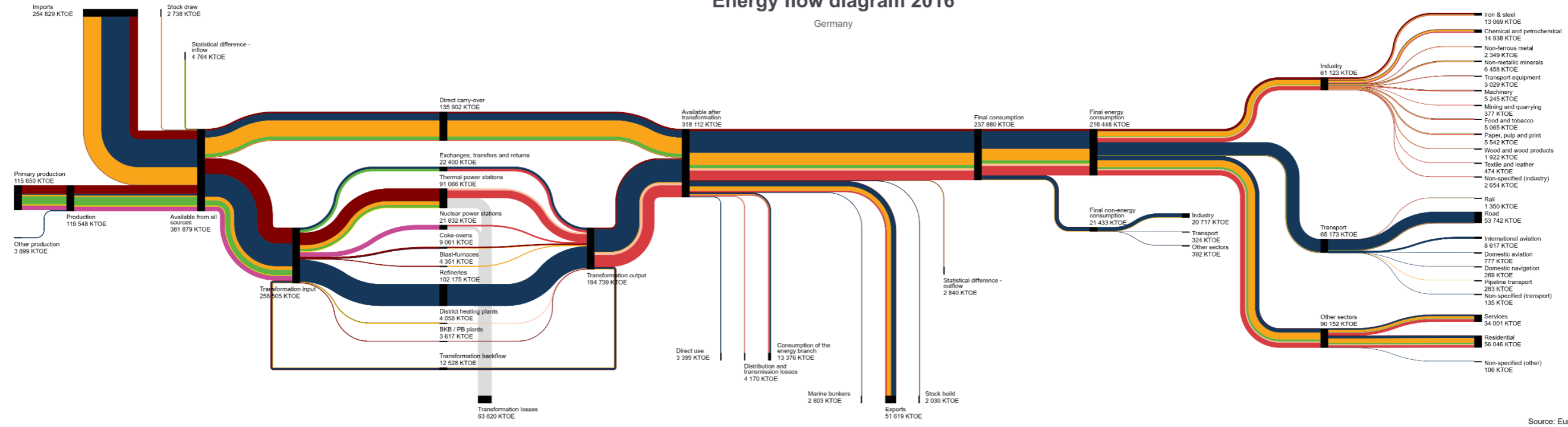


Source: Eurostat

# Germany

## Energy flow diagram 2016

Germany

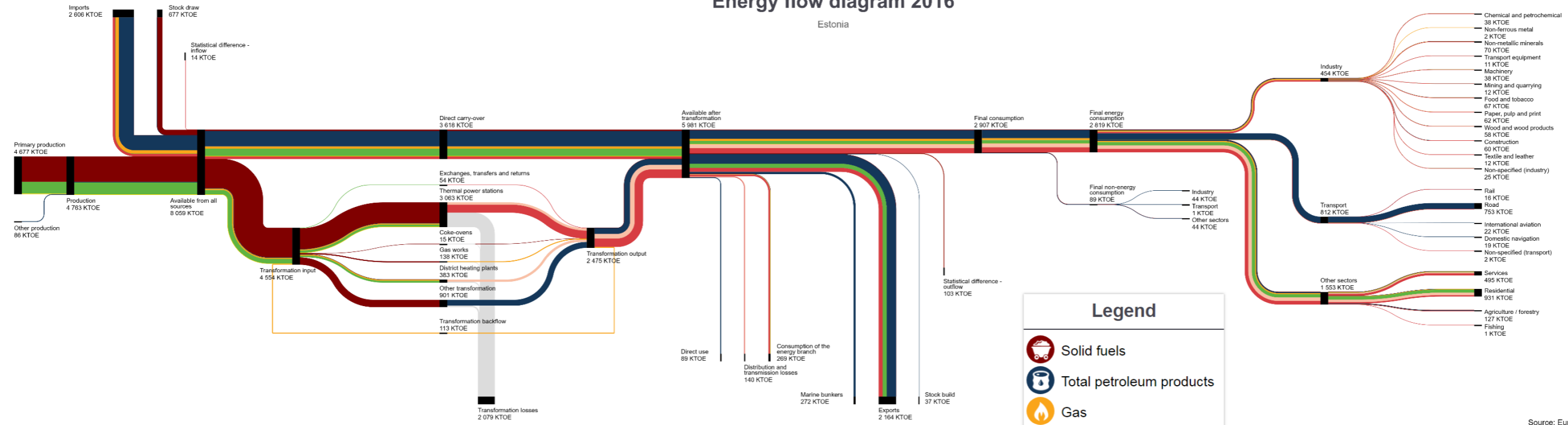


Source: Eurostat

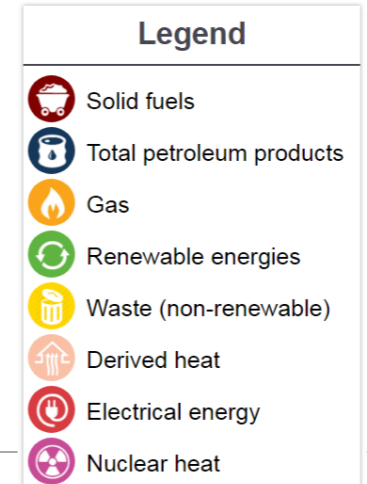
# Estonia

## Energy flow diagram 2016

Estonia

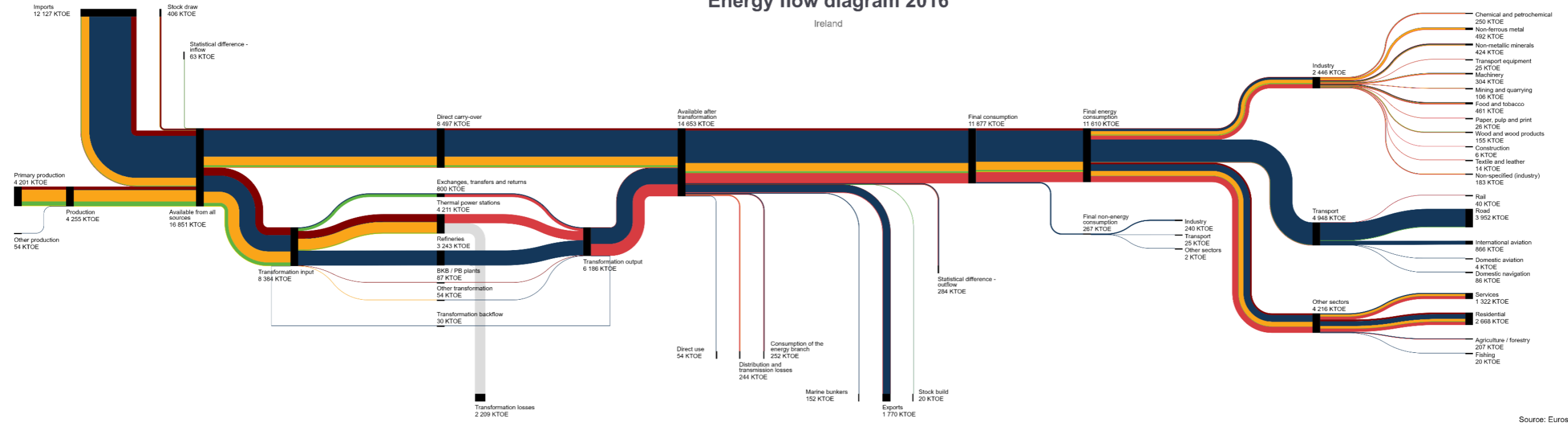


Source: Eurostat



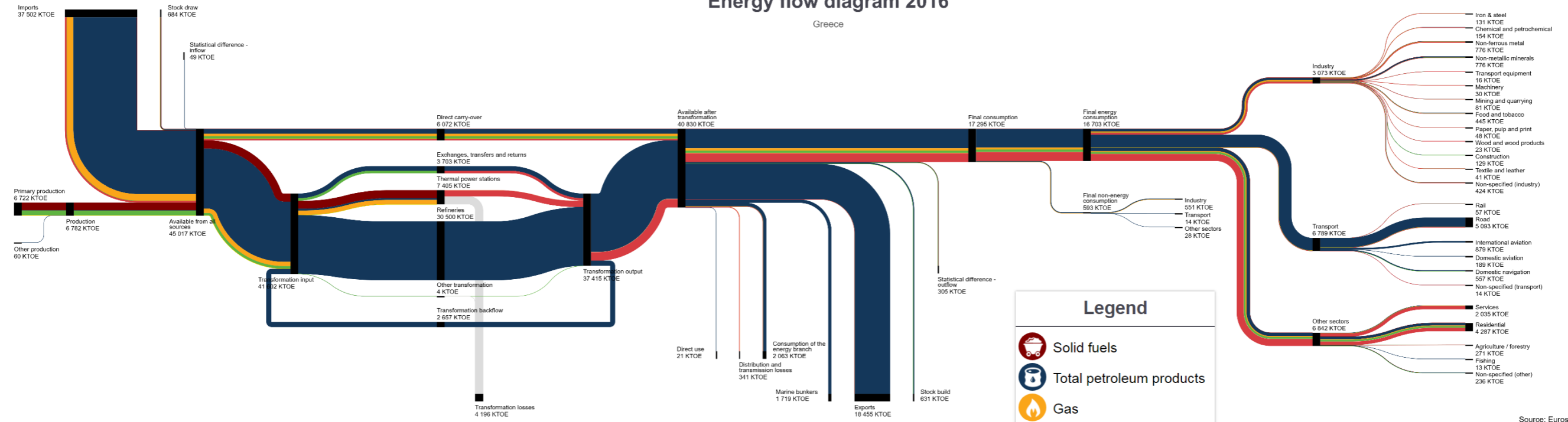
# Ireland

## Energy flow diagram 2016



# Greece

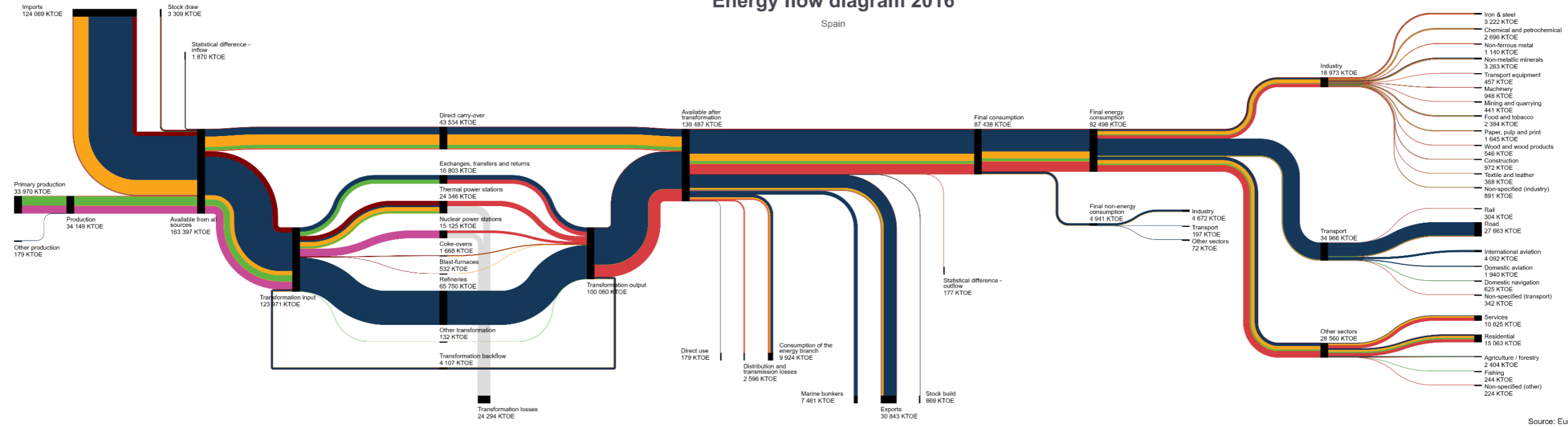
## Energy flow diagram 2016



# Spain

## Energy flow diagram 2016

Spain

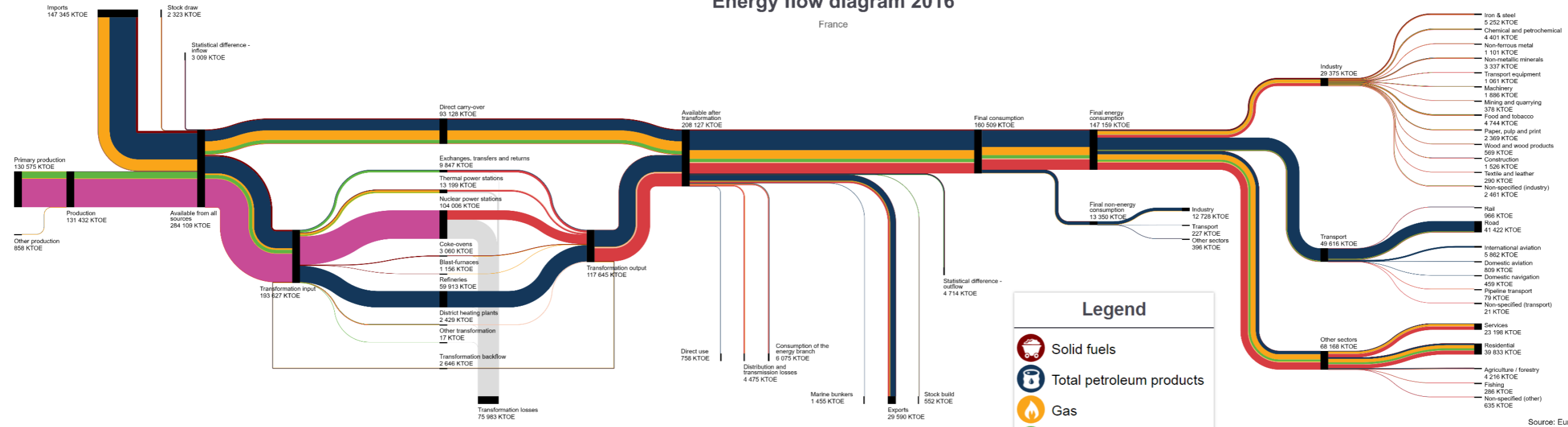


Source: Eurostat

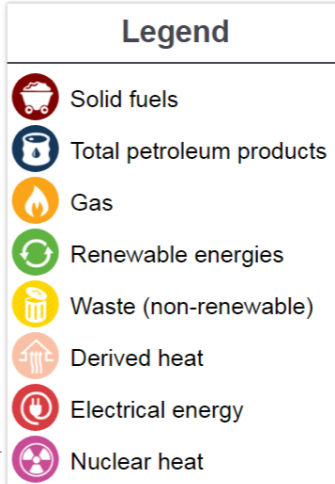
# France

## Energy flow diagram 2016

France

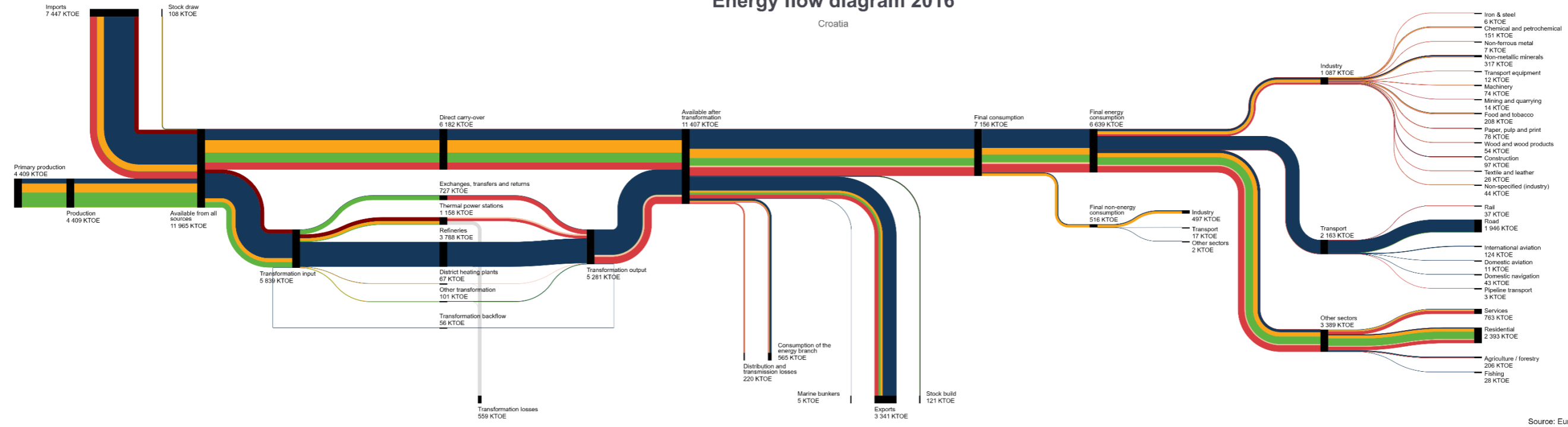


Source: Eurostat



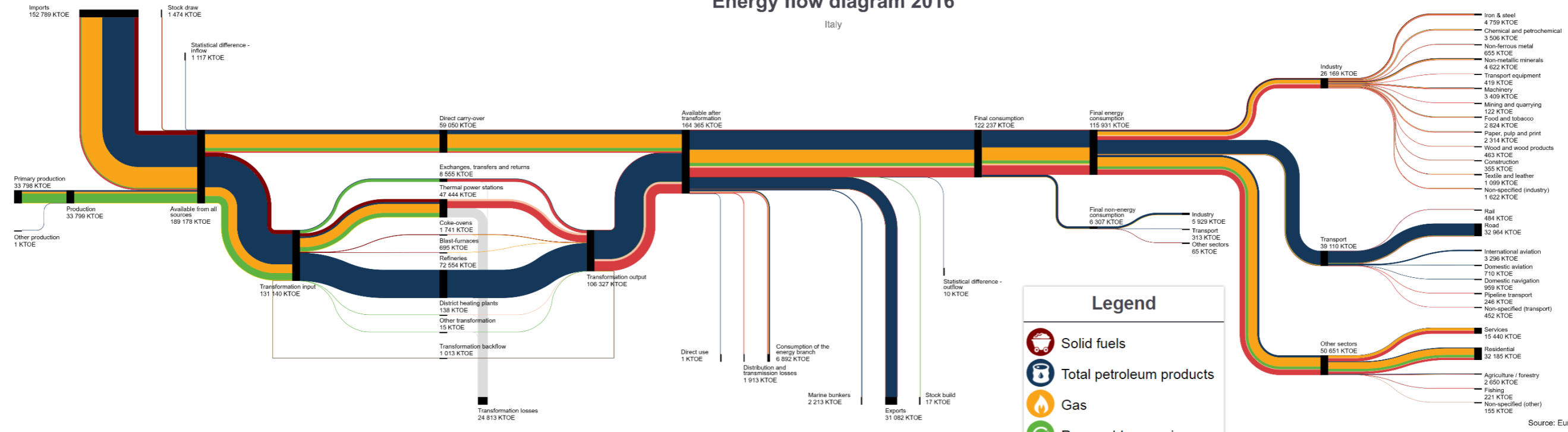
# Croatia

## Energy flow diagram 2016



# Italy

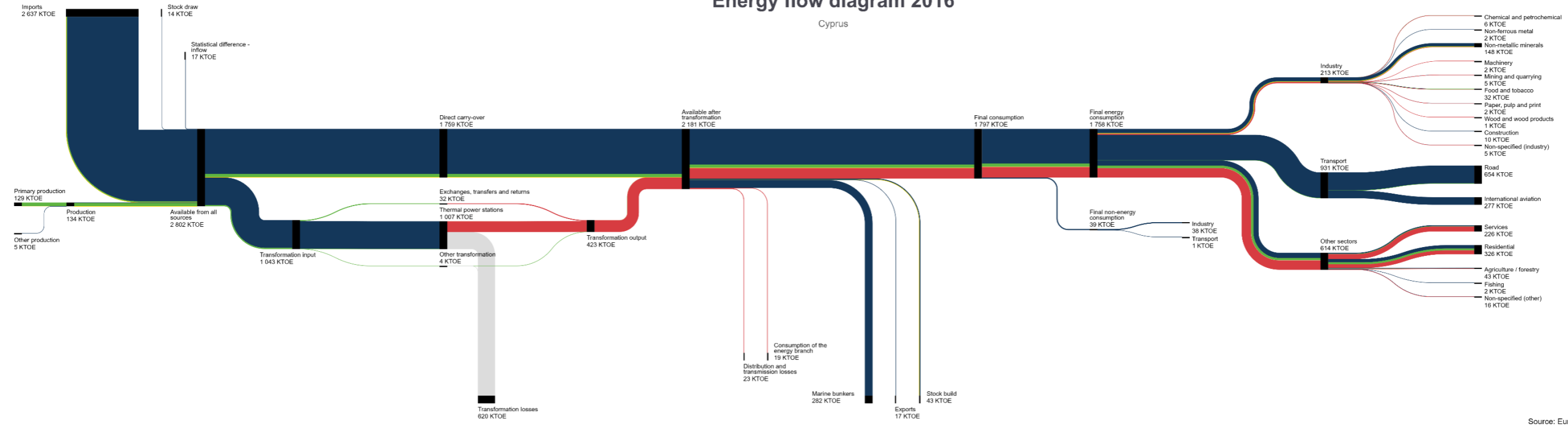
## Energy flow diagram 2016



# Cyprus

## Energy flow diagram 2016

Cyprus

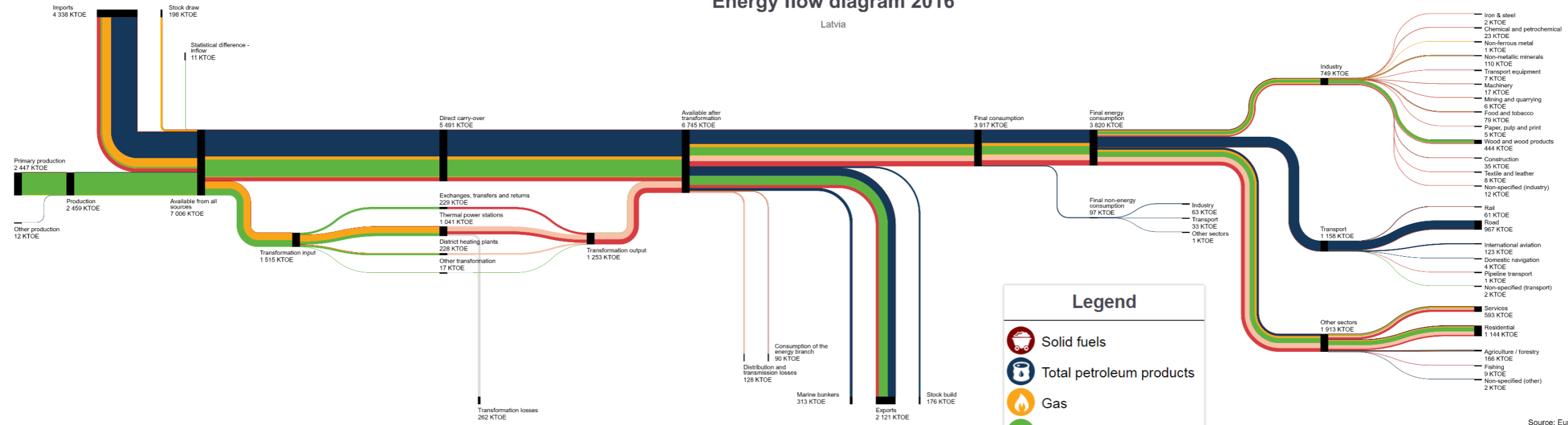


Source: Eurostat

# Latvia

## Energy flow diagram 2016

Latvia



### Legend

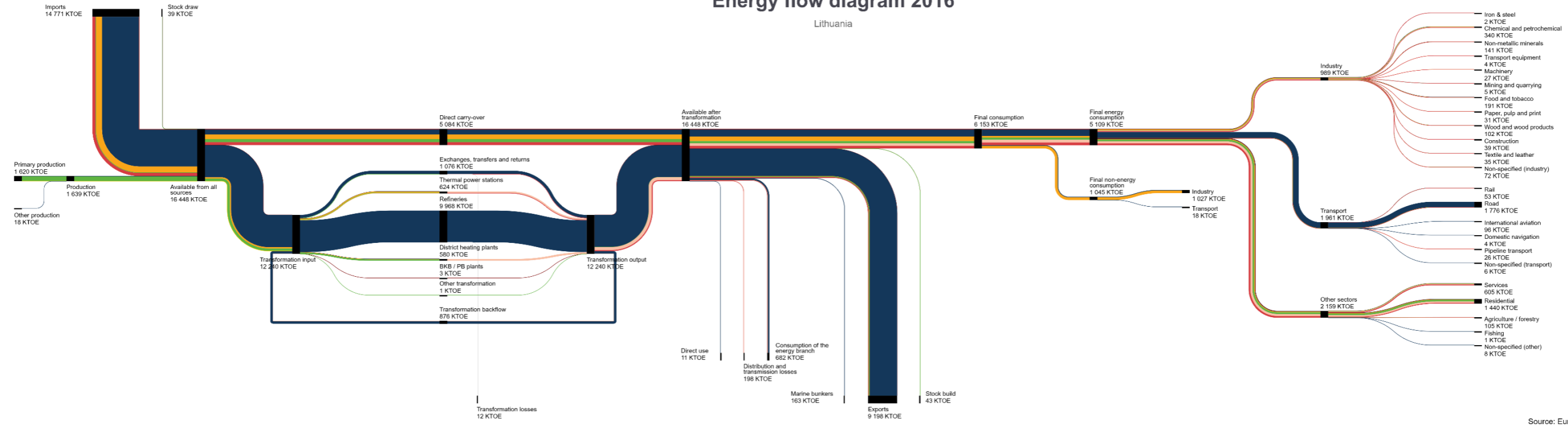
- Solid fuels
- Total petroleum products
- Gas
- Renewable energies
- Waste (non-renewable)
- Derived heat
- Electrical energy
- Nuclear heat

Source: Eurostat

# Lithuania

## Energy flow diagram 2016

Lithuania

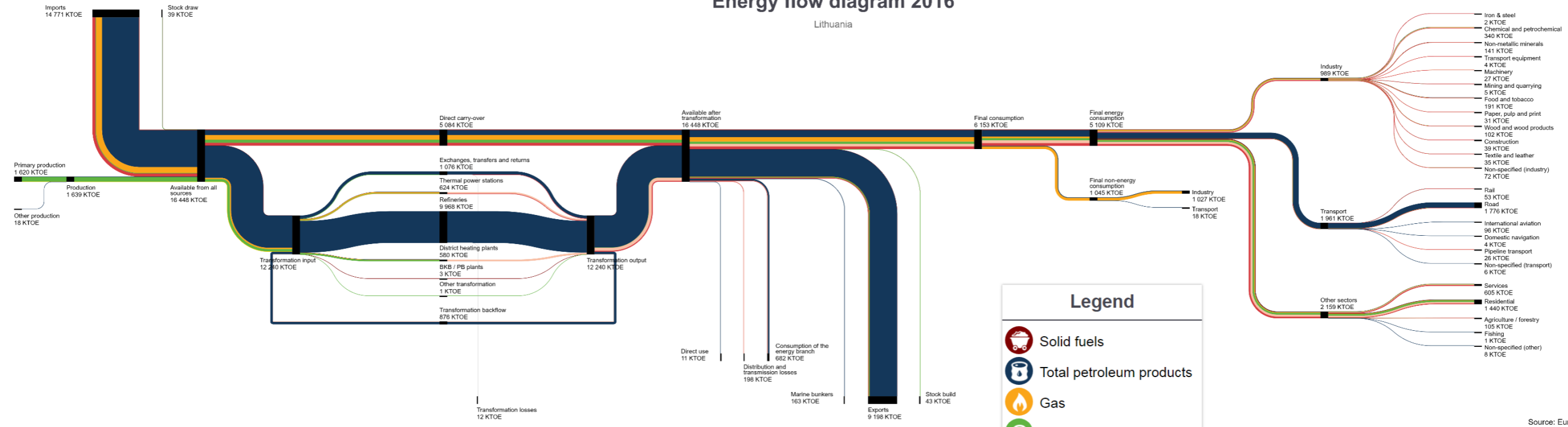


Source: Eurostat

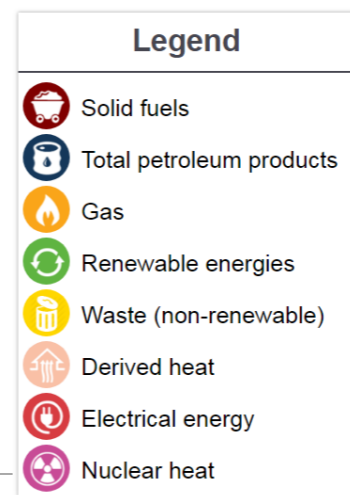
# Luxembourg

## Energy flow diagram 2016

Lithuania



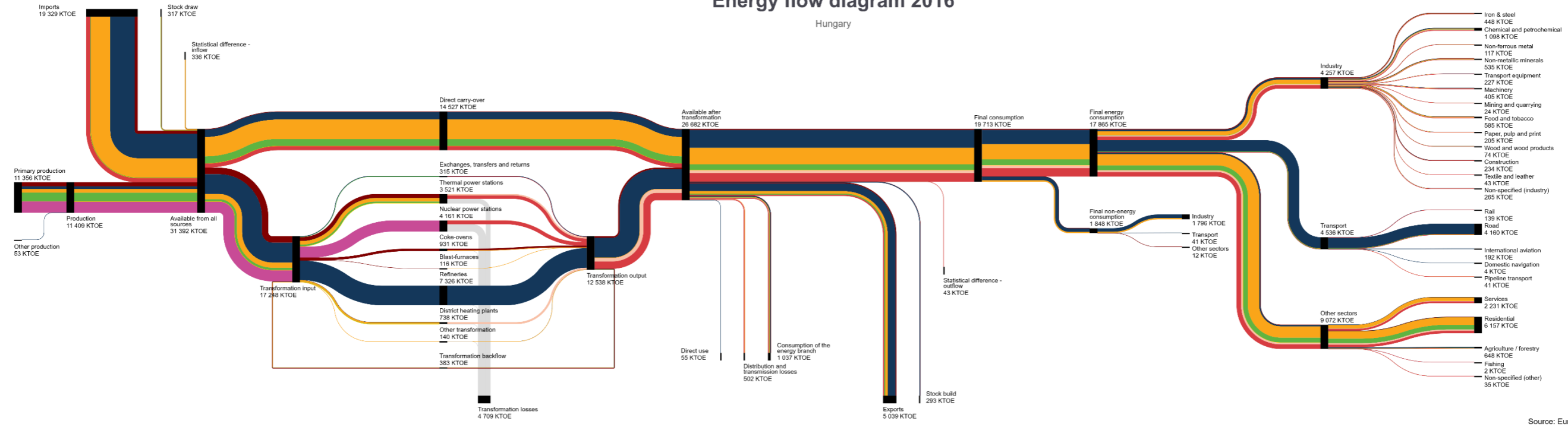
Source: Eurostat



# Hungary

## Energy flow diagram 2016

Hungary

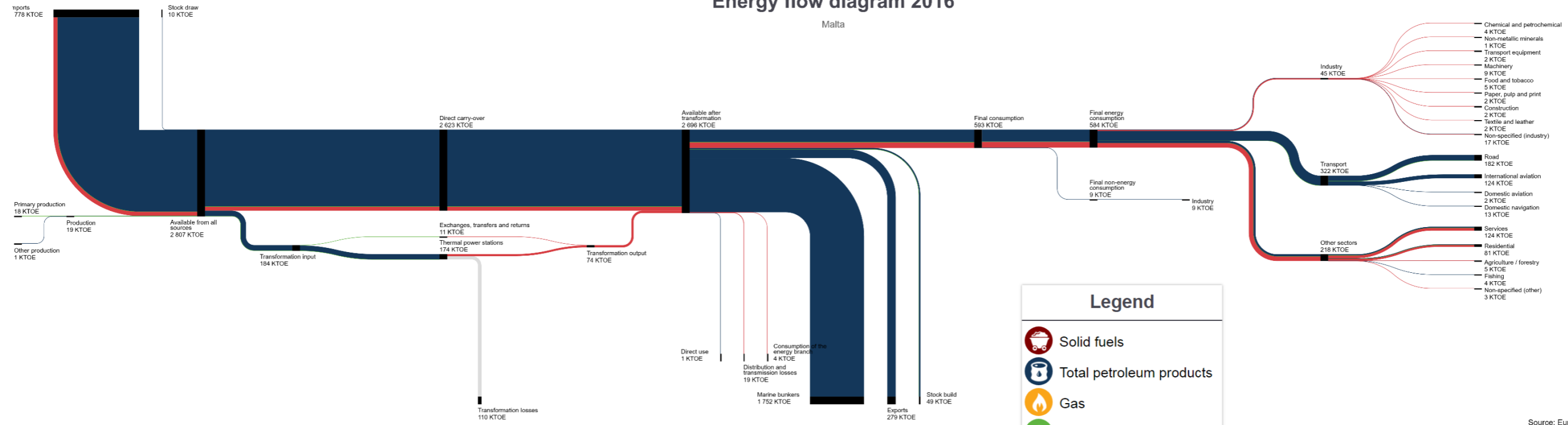


Source: Eurostat

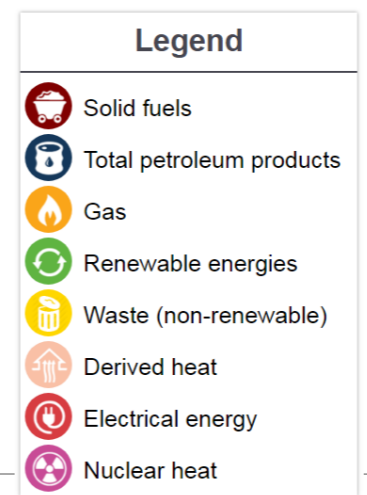
# Malta

## Energy flow diagram 2016

Malta



Source: Eurostat

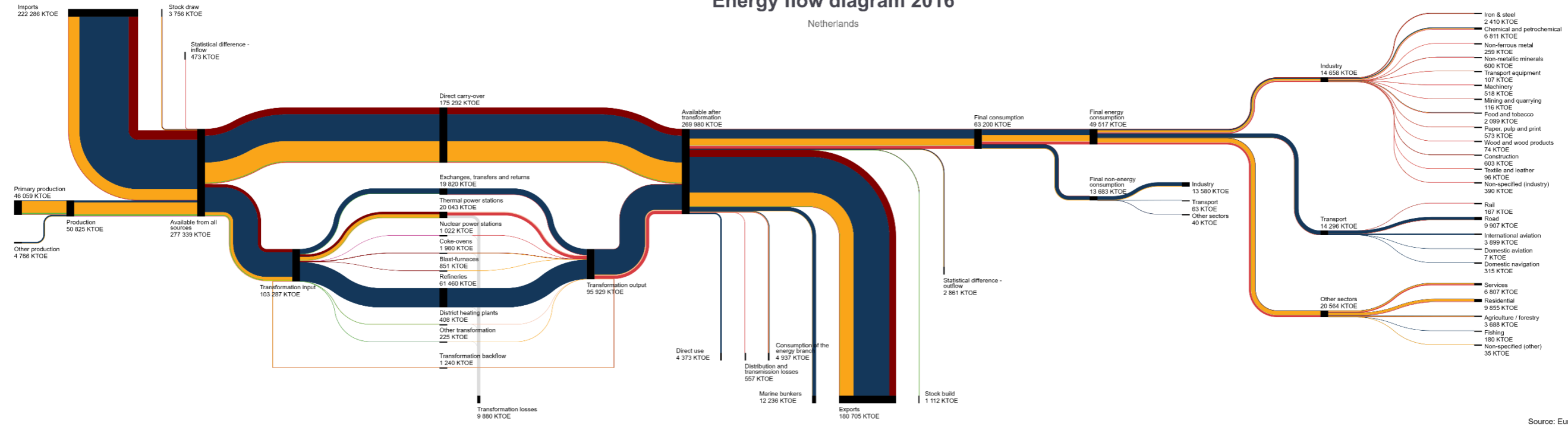




# Netherlands

## Energy flow diagram 2016

Netherlands

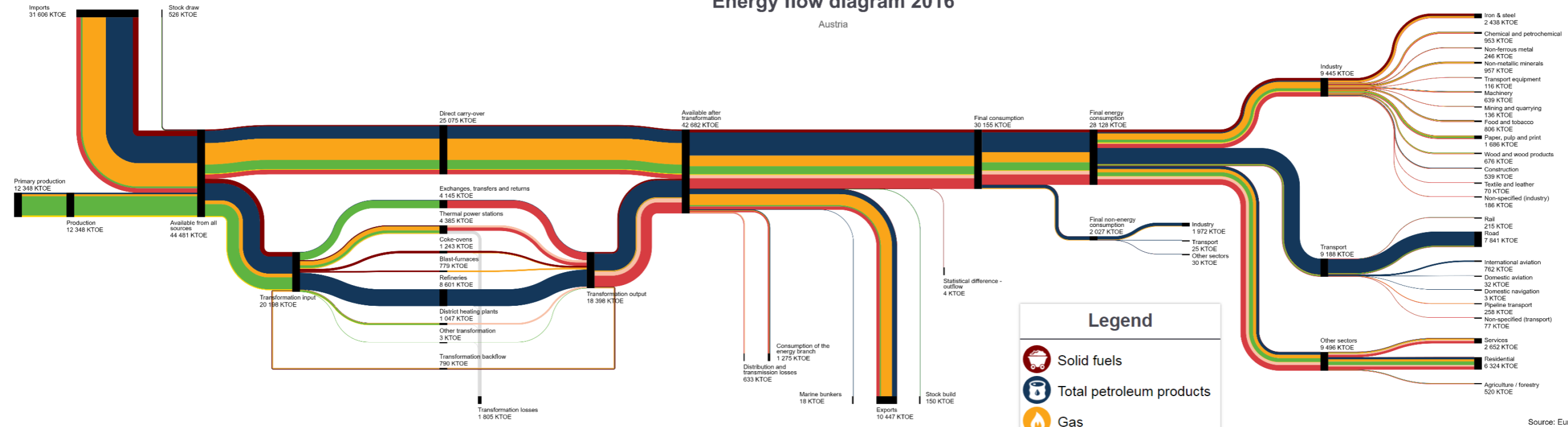


Source: Eurostat

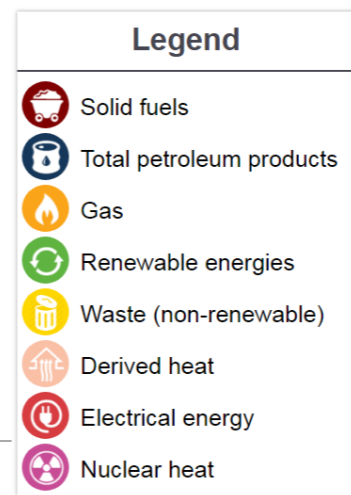
# Austria

## Energy flow diagram 2016

Austria

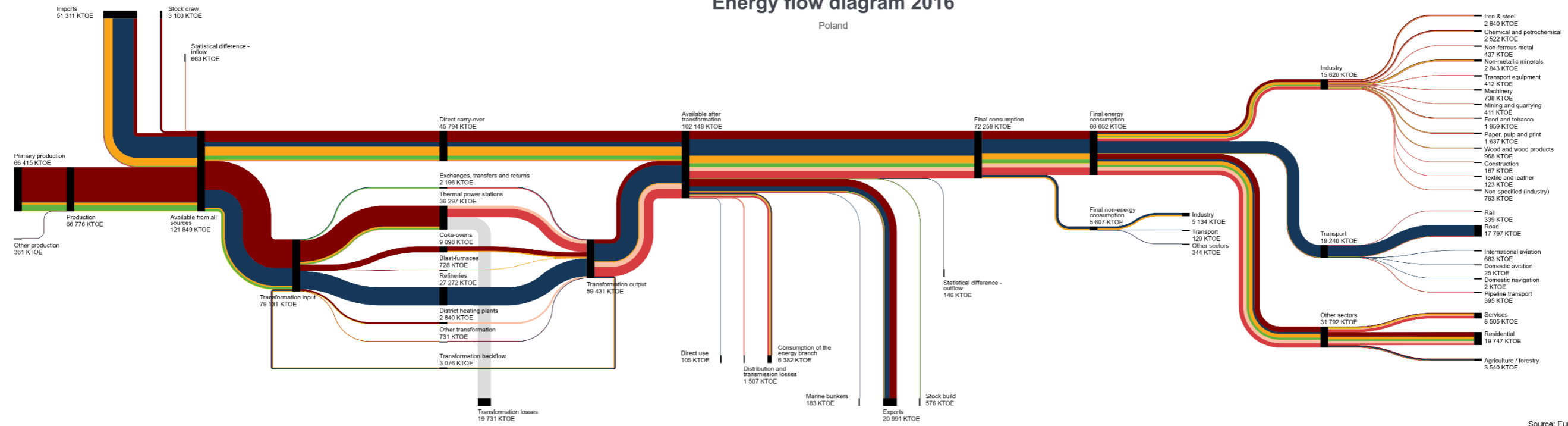


Source: Eurostat



# Poland

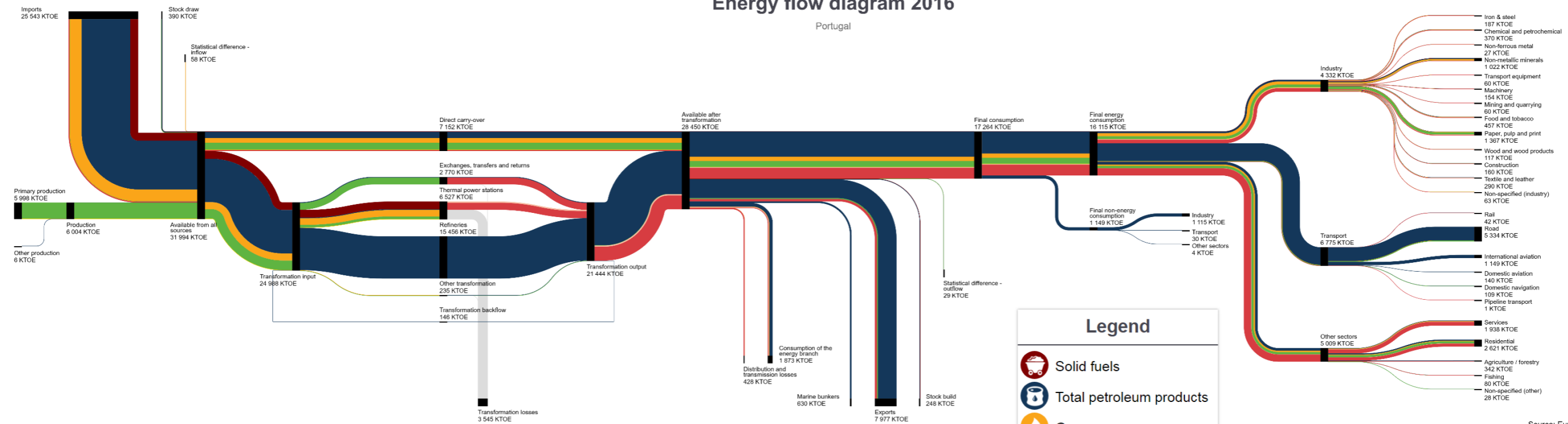
## Energy flow diagram 2016



Source: Eurostat

# Portugal

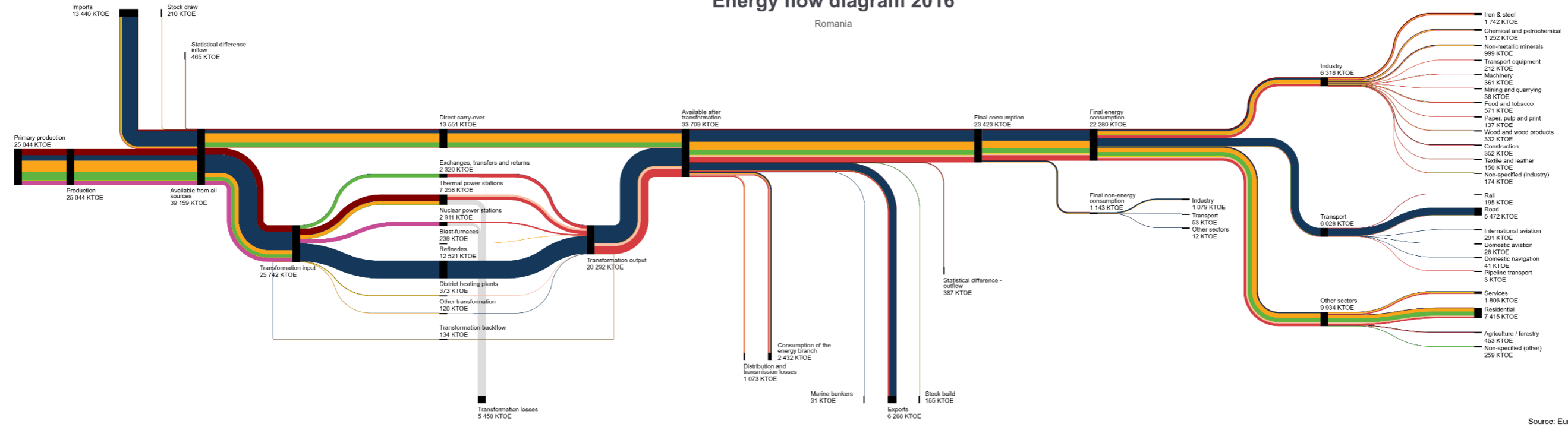
## Energy flow diagram 2016



Source: Eurostat

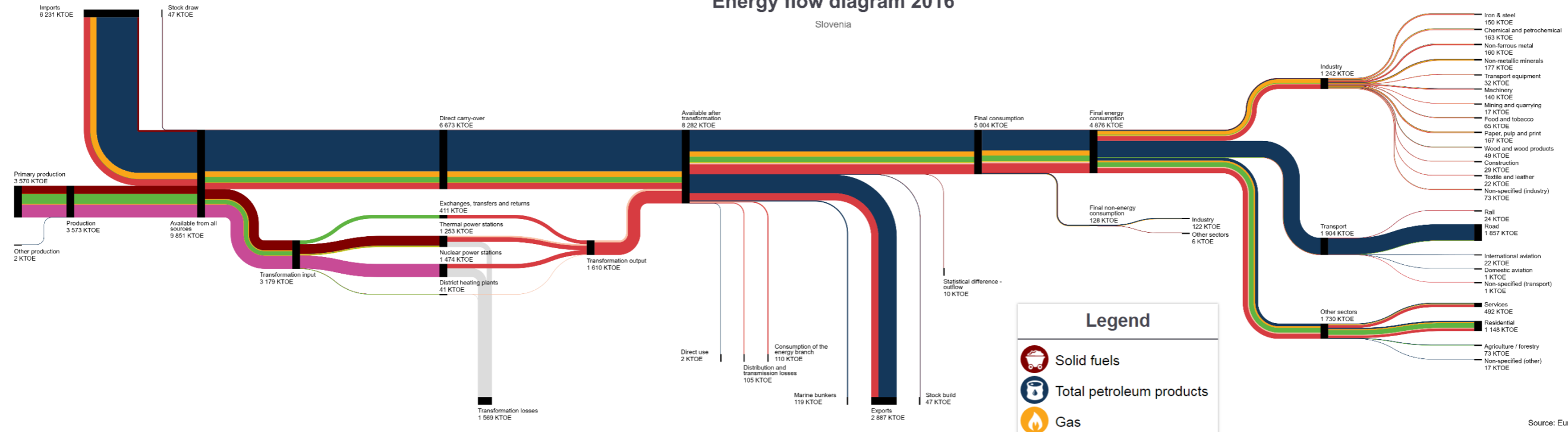
# Romania

## Energy flow diagram 2016



# Slovenia

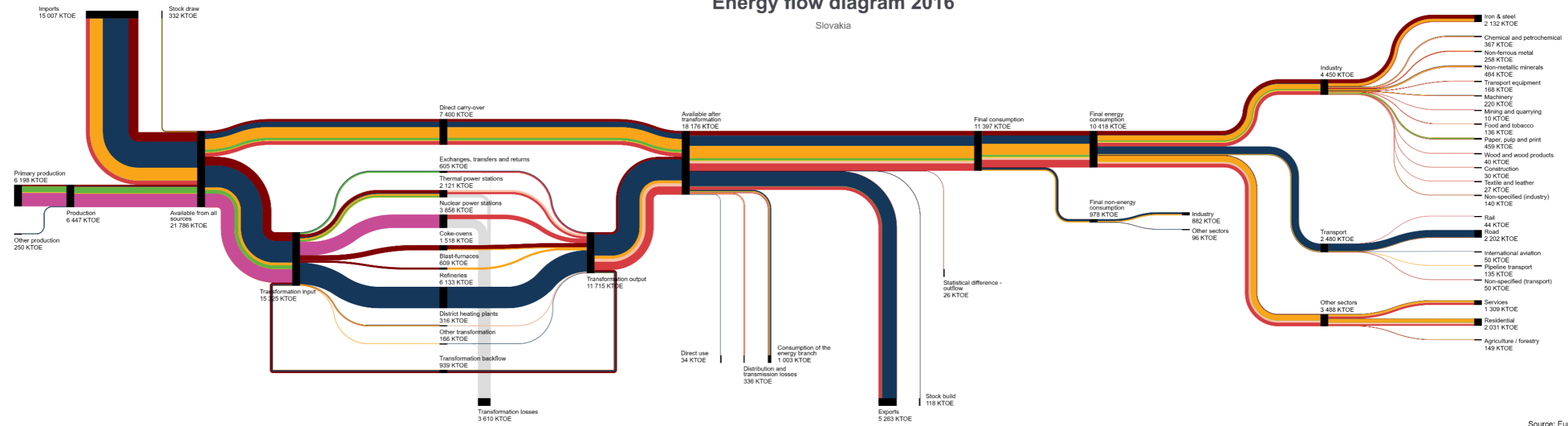
## Energy flow diagram 2016



# Slovakia

## Energy flow diagram 2016

Slovakia

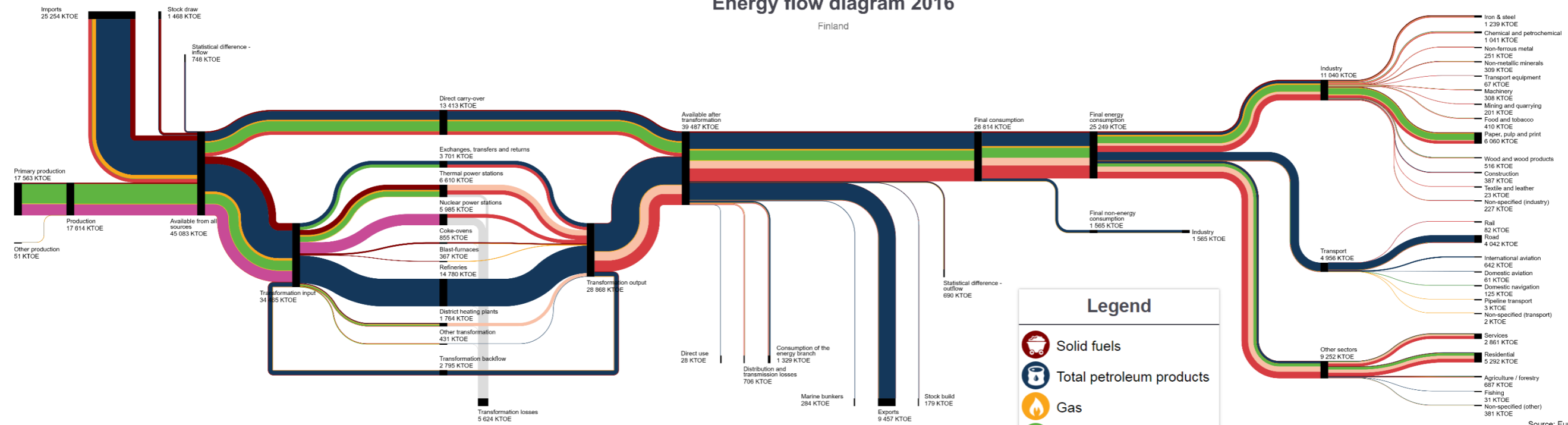


Source: Eurostat

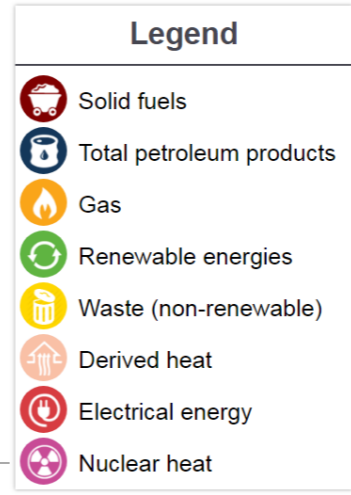
# Finland

## Energy flow diagram 2016

Finland



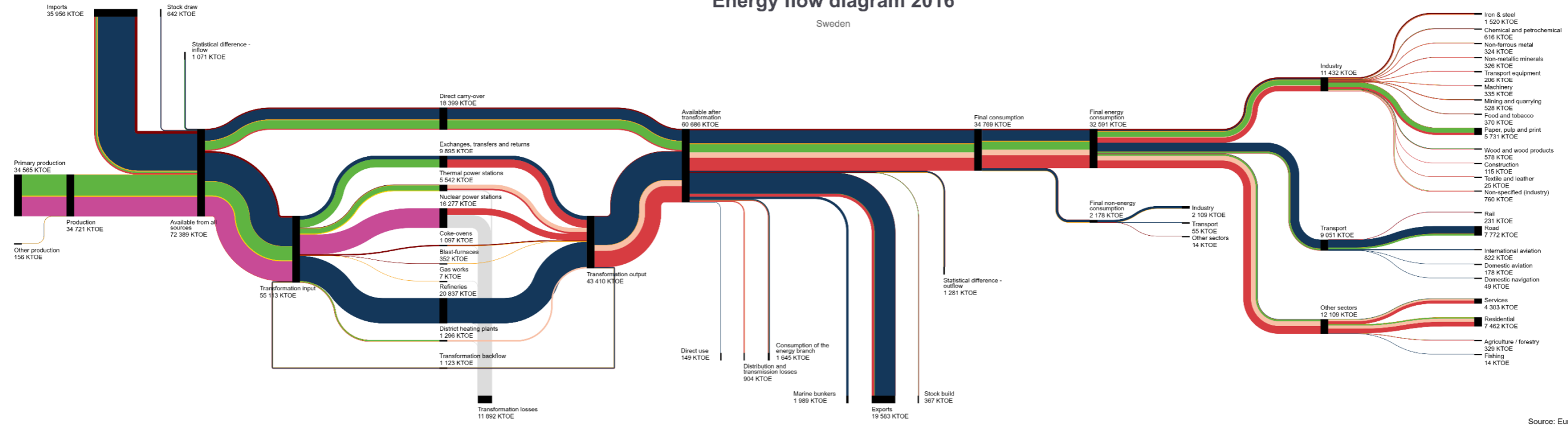
Source: Eurostat



# Sweden

## Energy flow diagram 2016

Sweden

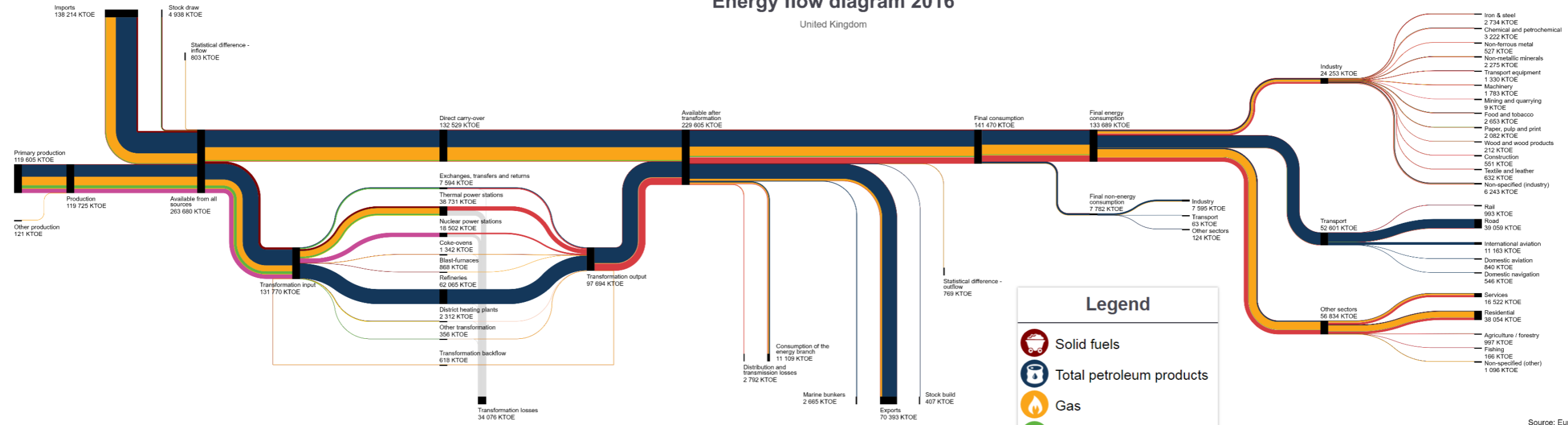


Source: Eurostat

# United Kingdom

## Energy flow diagram 2016

United Kingdom



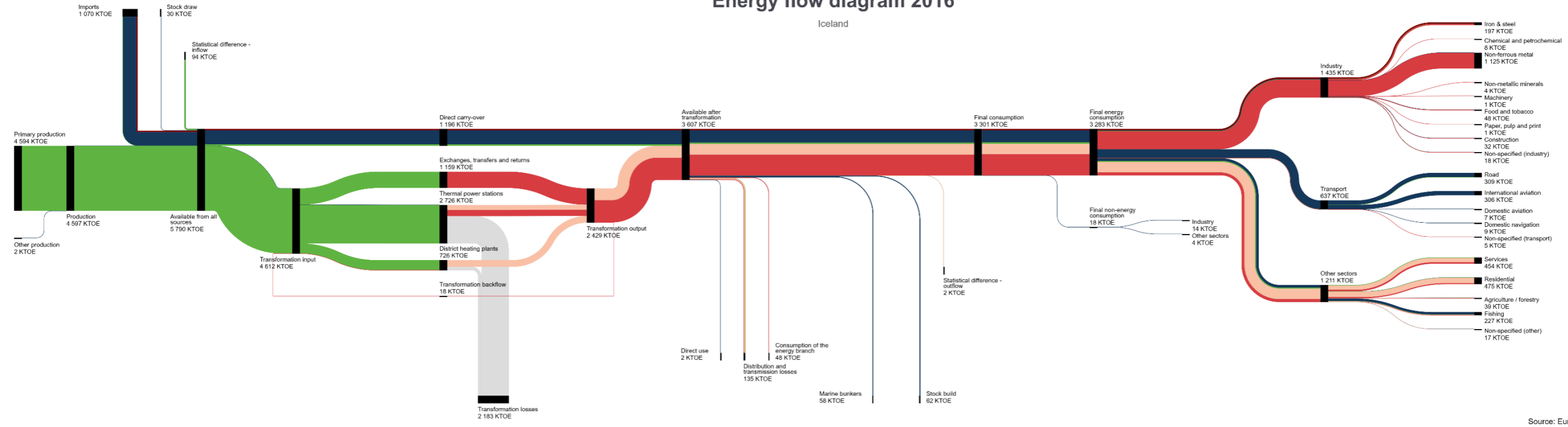
Source: Eurostat

### Legend

- Solid fuels
- Total petroleum products
- Gas
- Renewable energies
- Waste (non-renewable)
- Derived heat
- Electrical energy
- Nuclear heat

# Iceland

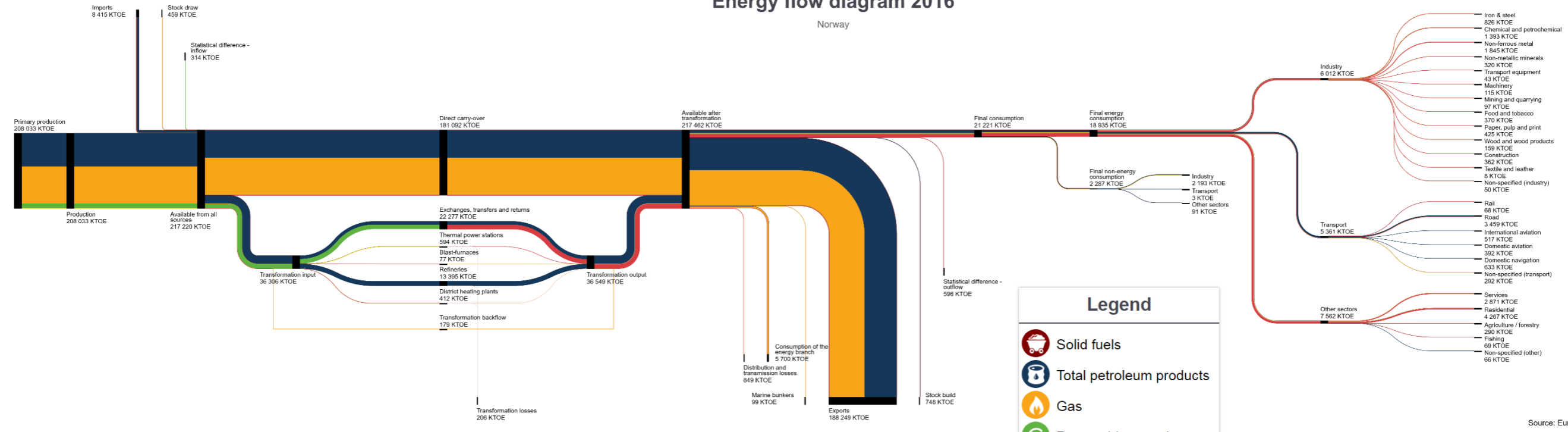
## Energy flow diagram 2016



Source: Eurostat

# Norway

## Energy flow diagram 2016



**Legend**

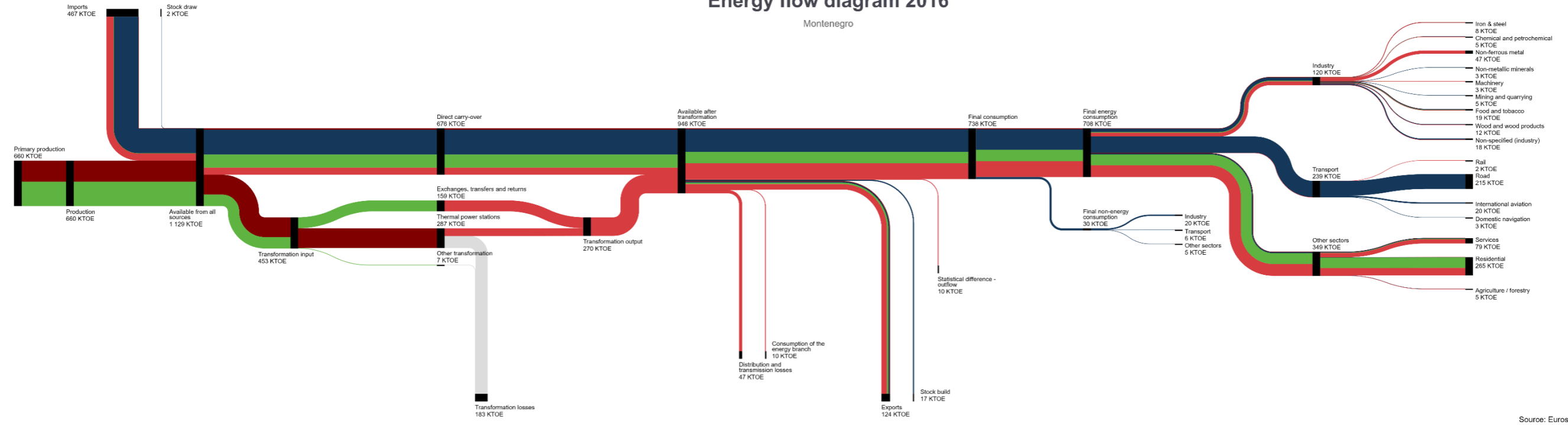
- Solid fuels
- Total petroleum products
- Gas
- Renewable energies
- Waste (non-renewable)
- Derived heat
- Electrical energy
- Nuclear heat

Source: Eurostat

# Montenegro

## Energy flow diagram 2016

Montenegro

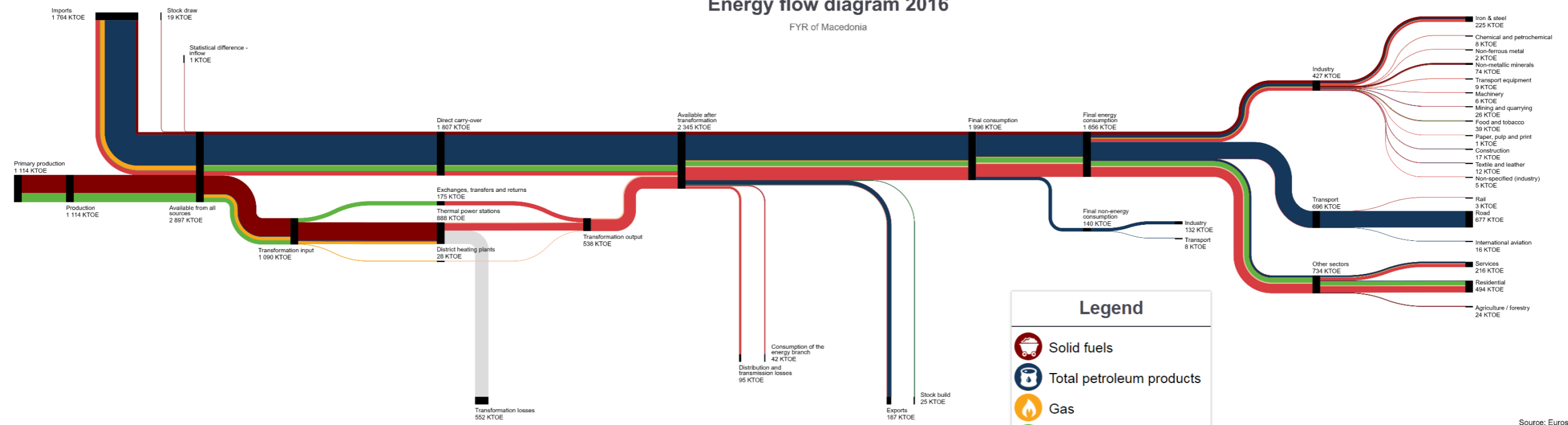


Source: Eurostat

# The former Yugoslav Republic of Macedonia

## Energy flow diagram 2016

FYR of Macedonia



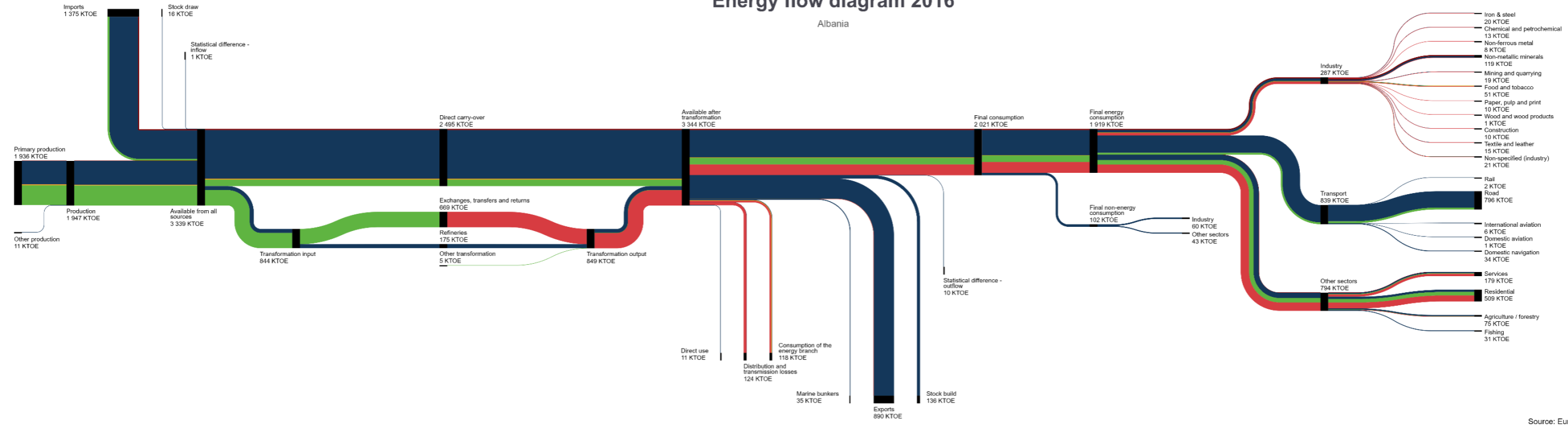
Source: Eurostat

**Legend**

- Solid fuels
- Total petroleum products
- Gas
- Renewable energies
- Waste (non-renewable)
- Derived heat
- Electrical energy
- Nuclear heat

# Albania

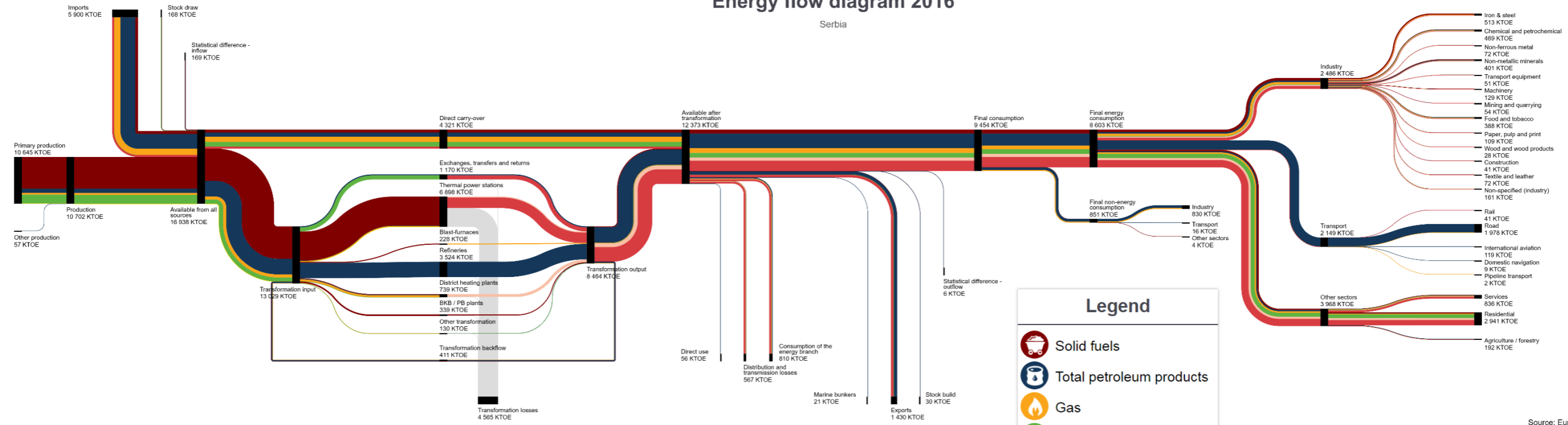
## Energy flow diagram 2016



Source: Eurostat

# Serbia

## Energy flow diagram 2016

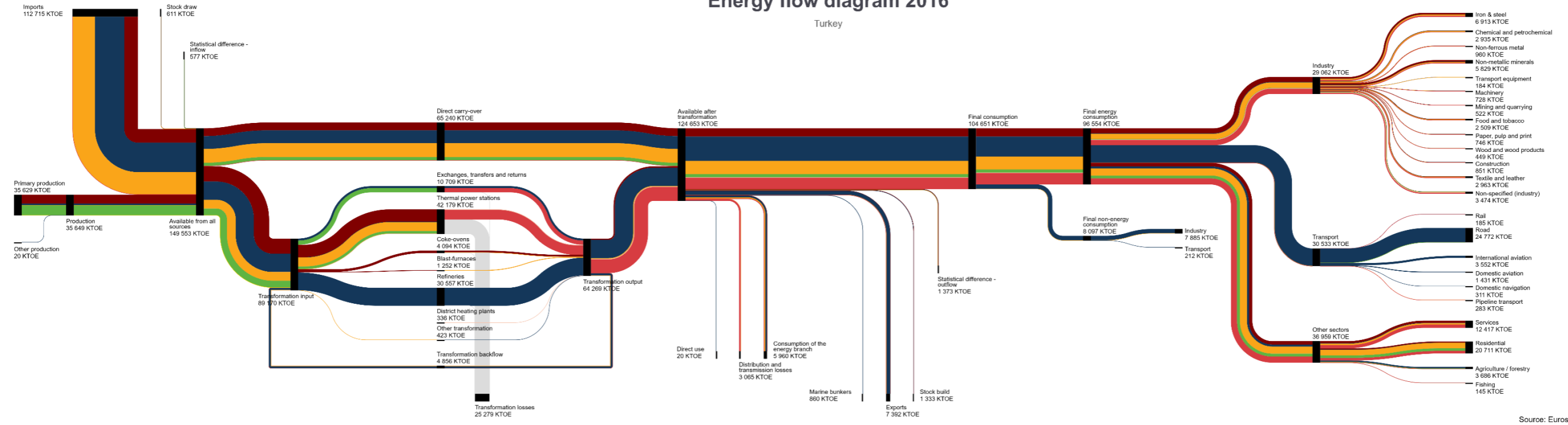


Source: Eurostat



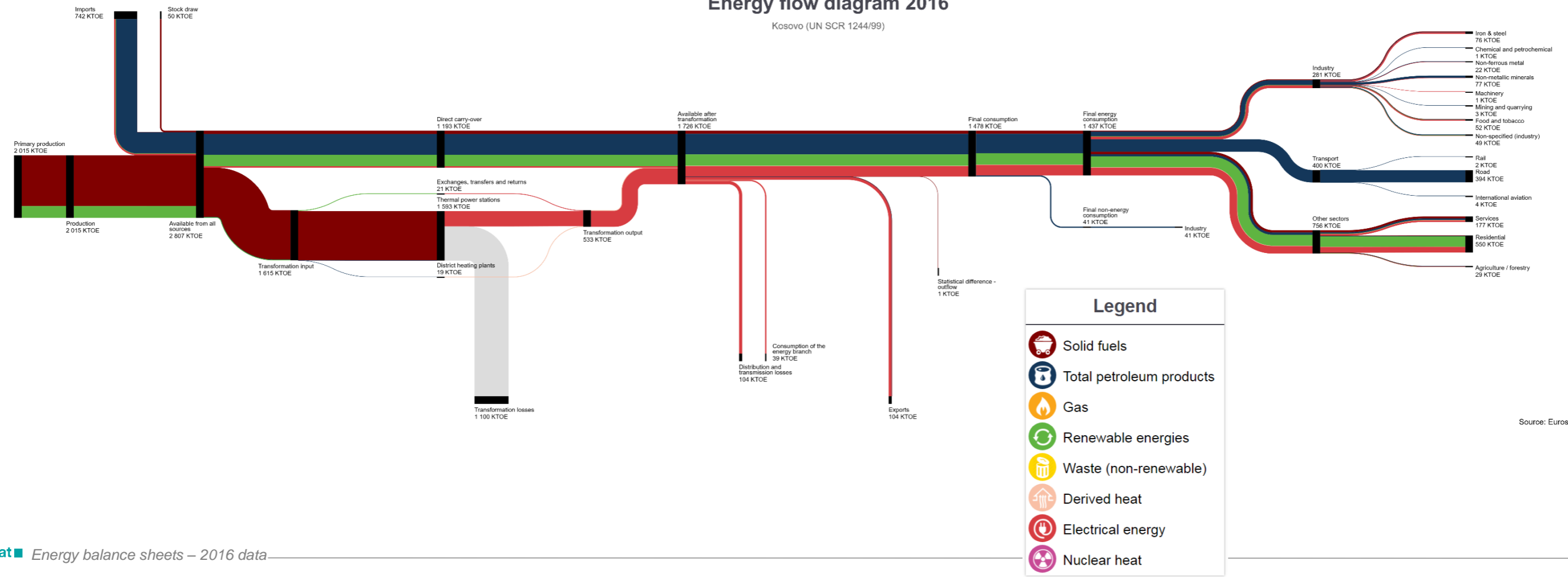
# Turkey

## Energy flow diagram 2016



# Kosovo (UNSCR 1244/99)

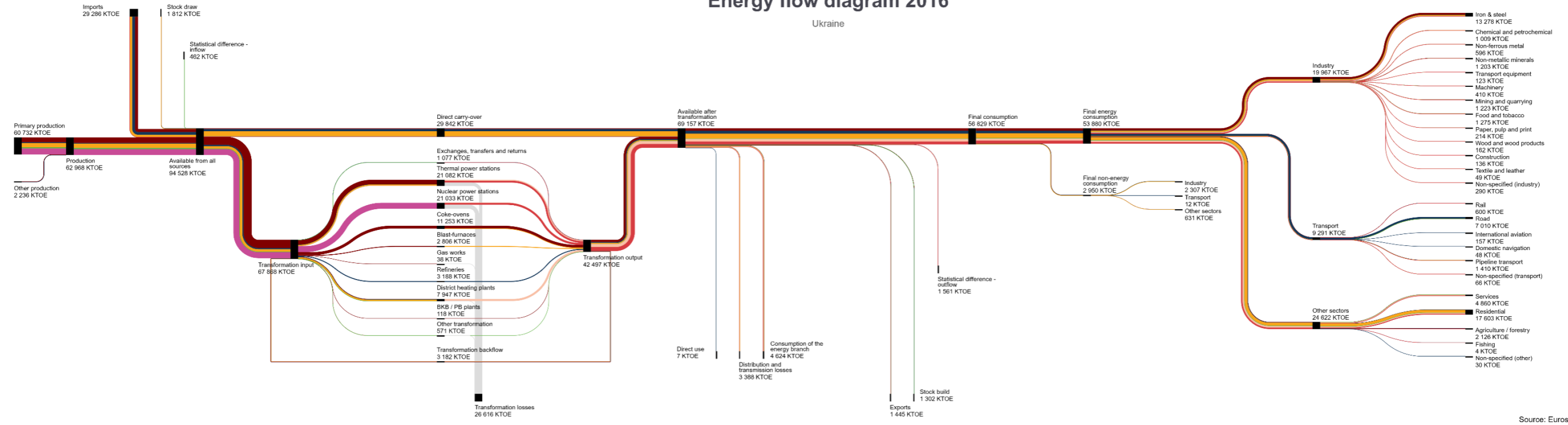
## Energy flow diagram 2016



# Ukraine

## Energy flow diagram 2016

Ukraine



Source: Eurostat

### Legend

- Solid fuels
- Total petroleum products
- Gas
- Renewable energies
- Waste (non-renewable)
- Derived heat
- Electrical energy
- Nuclear heat

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# Energy balance sheets

2016 DATA

The current publication presents the simplified energy balance sheets for 2016 and time series of key elements of energy balances for the years 1990, 2000, 2005, 2010, 2014, 2015 and 2016. Energy data are available for all Member States of the European Union as well as Iceland, Norway, Montenegro, the Former Yugoslav Republic of Macedonia, Albania, Serbia, Turkey, Bosnia and Herzegovina, Kosovo (UNSCR 1244/99), Georgia, Moldova and Ukraine. The energy balances have been constructed according to Eurostat's methodology on the basis of the energy content of each source and form of energy. The energy balances are expressed in thousands of tonnes of oil equivalent (ktoe).

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For more information

<http://ec.europa.eu/eurostat/>

