

# Energy balance sheets

2017 DATA

2019 edition



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**Energy balance sheets** | **2019 edition**  
**2017 DATA**

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# Energy balance sheets – 2017 data

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# 1

## 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 types 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 data quality, i.e. the coherence and accuracy of energy statistics reported for individual energy products. Substantial 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 individual statistics into specific subcategories.

## Legal basis

Eurostat's energy balances are based on the data collected under [Regulation \(EC\) No 1099/2008 on energy statistics](#). In this Regulation, Annex A defines the geographical scope, aggregates as well as the sectors (supply, transformation sector, energy sector, final consumption, end-use specification). 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](#) needs 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 the economy, energy data are used in other policy domains too, the most notable are transport and climate change.

The European Union's energy policy targets include secure energy supplies, sustainable energy consumption and lower fossil fuel dependence. Energy balances help assessing progress in these areas. They are also an essential input for monitoring the energy efficiency target of the Europe 2020 and 2030 strategies. [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 [SDG 7 affordable and clean energy](#).

## The current edition

The current publication presents the simplified energy balance sheets for the reference year 2017 and key time series for the years 2005 and 2010 – 2017. Energy data are available for all Member States of the European Union as well as Iceland, Norway, Montenegro, North Macedonia, Albania, Serbia, Turkey, Bosnia and Herzegovina, Kosovo<sup>1</sup>, Ukraine and Georgia. The energy balance expresses all forms of energy in a common accounting unit "toe" (tonnes of oil equivalent) as ktoe (thousands toe) or Mtoe (millions toe).

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<sup>1</sup> This designation is without prejudice to positions on status, and in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

## 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 publication. 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:

### **Eurostat's energy database (free commercial and non-commercial use of data)**

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

### **Complete energy balances in the MS Excel format for all years (1990-2017)**

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

### **Sankey diagrams (Energy flow diagrams)**

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

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

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

### **Statistics Explained articles – Energy**

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

## Contact

Please use the following link for any questions or comments:

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

# 2

# Energy balance methodology

## General 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). Put differently, the energy balance is an accounting framework for the compiling, reconciliating and understanding of data on all energy products entering, exiting and used within a country. The energy balance is constructed for each calendar year.

When constructing energy balances, one has to bear in mind the first law of thermodynamics. The law of conservation of energy states that total energy in an isolated system is constant; energy can be transformed from one form to another but can be neither created nor destroyed. The first law is often formulated by stating that the change in the internal energy of a closed system is equal to the amount of heat supplied to the system, minus the amount of work done by the system on its surroundings. Consequently, energy gains are not possible. If energy gains are present in data, they are results of either statistical discrepancy (data of low accuracy) or the data collection system is not fully considering all input products in the scope of energy statistics.

## Constructing energy balances in 3 steps

The first step is to construct commodity balances for each energy carrier in natural measurement units of the energy carrier – either physical unit (tonnes and cubic meters) or energy units (GWh for electricity and TJ for heat).

The second step is to convert the commodity balance in various units into a common energy unit, by multiplying all the data by the appropriate conversion factor (calorific values for energy carriers in physical units and unit conversion factor for energy carriers measured in energy units).

The third step refers to organising the columns and rows of the energy balance to avoid double counting of energy. For example, the production of secondary products is shown in the production row in commodity balances and it is reported as a transformation output in the energy balance.

## The choice of the primary energy form

The choice of the primary energy form defines the boundaries of energy statistics. The general principle of Eurostat's approach is that the primary energy form should be the first energy form in the production process for which various energy uses are practised/implemented. **Eurostat's methodology is based on the physical energy content method.** For directly combustible energy products (for example coal, crude oil, natural gas, biofuels, waste) it is their actual energy content measured by their gross and net calorific values. For products that are not directly combustible, this

principle implies choosing heat as the primary energy form for nuclear, geothermal and solar thermal; and choosing electricity as the primary energy form for solar photovoltaic, wind, hydro, tide, wave, ocean.

The measurement of the primary energy form for the not directly combustible fuels is done as gross electricity production for those where electricity is the primary energy form and as gross heat production for those where heat is the primary energy form.

According to Regulation (EC) No 1099/2008 on energy statistics the reporting is covering geothermal and solar thermal inputs for electricity and/or heat production. In a similar way, the heat generated by nuclear reactors has to be declared according to the reporting obligations on annual nuclear statistics. If countries do not have information on energy inputs available, but only the amount of electricity and/or heat produced is known, the reporting countries are advised to use the following efficiencies to estimate inputs:

- For electricity from geothermal sources: 10%
- For derived heat from geothermal sources: 50%
- For electricity from concentrating solar: 33%
- For derived heat from solar thermal energy: 100%
- For electricity and derived heat from nuclear sources: 33%

## The choice of units in the energy balance

The data for the different products need to be expressed in a common energy unit. The unit chosen can be any energy unit: terajoule (TJ), gigawatt-hour (GWh), thousands of tons of oil equivalent (ktoe), million tons of oil equivalent (Mtoe), etc.

**The unit adopted by Eurostat is the joule.** The joule is a derived unit of energy in [the International System of Units](#). It is the energy dissipated as heat when an electric current of one ampere passes through a resistance of one ohm for one second. This definition forms one of the bases of conversion between energy units: **1 GWh = 3.6 TJ**.

Another unit used for energy balances is “the tonne of oil equivalent”. It corresponds roughly to the average quantity of energy contained in a tonne of crude oil. Based on its energy content definition of  $10^7$  kilocalories, the following conversion can be derived: **1 Mtoe = 41 868 TJ**.

Energy balances can be converted from one energy unit into another. Eurostat offers energy balance data in TJ, ktoe and GWh in its [database](#). The Eurostat's [energy balance builder tool](#) adds Mtoe. The table below presents the conversion factors between various energy units.

**Table 1: Conversion factors between units**

To: From:	TJ	Mtoe	GWh
TJ		/ 41 868	/ 3.6
Mtoe	$\times 41 868$		$\times 11 630$
GWh	$\times 3.6$	/ 11 630	

## The choice of a heating value

The energy balance can be expressed in the “net” or “gross” energy content, where net/gross refers to the calorific values used for conversion.

The quantity known as gross calorific value (GCV) (or higher heating value or gross energy or upper heating value or higher calorific value) is determined by bringing all the combusted products back to their original pre-combustion temperature, and in particular, condensing any water vapour produced. This is the same as the thermodynamic heat of combustion since the enthalpy change for the reaction assumes a common temperature of the compounds before and after combustion, in which case the water produced by combustion is condensed to a liquid, hence yielding its latent heat of vaporization.

The quantity known as net calorific value (NCV) (or lower heating value or lower calorific value) is determined by subtracting the heat of vaporization of the water vapour from the higher heating value. This approach treats any H<sub>2</sub>O formed as a vapour. The energy required to vaporize the water, therefore, is not released as heat.

As the net calorific value represents the amount of energy that can be actually used, **Eurostat adopted the methodology of using the net calorific values for its energy balances**. This applies to the conversion of all energy carriers (products, fuels) of energy balance for all flows of energy balance.

## The actual choice of calorific values

Related to the choice of heating value is the actual choice of net calorific values used for converting data from physical units to energy units. For this choice, **Eurostat set up a cascade system**:

1. The net calorific values are covered by the data transmission obligations in [Regulation \(EC\) No 1099/2008 on energy statistics](#). Eurostat uses the values transmitted by countries for constructing energy balances.
2. For primary and secondary coal products, also a reporting of gross calorific values is imposed. If net calorific values are not provided but gross calorific values are provided, Eurostat will estimate the net calorific value. The estimation is based on the assumption that GCV = 1.05 × NCV (the gross calorific value is 5% higher than the net calorific value).
3. For primary and secondary coal products, if some specific calorific values are missing, then the arithmetic average of available calorific values is used for constructing the energy balance.

For oil products in table 1 of the oil questionnaire (crude oil, NGL, refinery feedstock, additives/oxygenates or other hydrocarbons), if an average calorific value is not reported but calorific values for production, imports or exports are provided, then the arithmetic average of available calorific values is used for constructing the energy balance.

4. If no calorific values are provided by a reporting country, Eurostat uses the net calorific values enacted in [Commission Regulation \(EU\) No 601/2012](#) on the monitoring and reporting of greenhouse gas emissions pursuant to [Directive 2003/87/EC](#) of the European Parliament and of the Council.
5. For products not covered by Commission Regulation (EU) No 601/2012, the net calorific values used are Eurostat's estimates. These estimates take into account the [Commission Decision 2007/589/EC](#) establishing guidelines for the monitoring and reporting of greenhouse gas emissions pursuant to [Directive 2003/87/EC](#) of the European Parliament and of the Council.

All legal acts above refer to their consolidated versions in force on 16 August 2017. In practical terms, [Commission Decision 2007/589/EC](#) and [Commission Regulation \(EU\) No 601/2012](#) refer to the [2006 IPCC Guidelines](#).

For coal and coal products, calorific values reported under "For other uses" are used also for the following flows of the energy balance: recovered products, stock changes, autoproducers, gas works, coal liquefaction plants, final non-energy consumption and distribution losses.

The table below presents an overview of calorific values with respect to point 4 (no shading) and point 5 (light shading).

**Table 2: Default calorific values**

Product	Net calorific value (TJ/kt)	Product	Net calorific value (TJ/kt)
Anthracite	26.7	Aviation gasoline	44.3
Coking coal	28.2	Gasoline-type jet fuel	44.3
Other bituminous coal	25.8	Kerosene-type jet fuel	44.1
Sub-bituminous coal	18.9	Other kerosene	43.8
Lignite	11.9	Naphtha	44.5
Patent fuels	20.7	Gas oil and diesel oil (w/o bio)	43.0
Coke oven coke	28.2	(Residual) Fuel oil	40.4
Gas coke	28.2	White spirit and SPB	40.2
Coal tar	28.0	Lubricants	40.2
Brown coal briquettes	19.0	Bitumen	40.2
Peat	9.8	Petroleum coke	32.5
Peat products	16.0	Paraffin waxes	40.2
Oil shale and oil sands	8.9	Other oil products	40.2
Crude oil	42.3	Charcoal	29.5
Natural gas liquids	44.2	Pure biogasoline	27.0
Refinery feedstocks	43.0	Blended biogasoline	27.0
Additives and oxygenates	42.5	Pure biodiesels	27.0
Other hydrocarbons (w/o bio)	42.5	Blended biodiesels	27.0
Refinery gas	49.5	Pure bio jet kerosene	44.0
Ethane	46.4	Blended bio jet kerosene	44.0
Liquefied petroleum gases	47.3	Other liquid biofuels	27.4
Motor gasoline (w/o bio)	44.3		

Source: Eurostat ([Energy balance guide](#))

## Creating the matrix

The energy balance is presented as a matrix: a two-dimensional table with rows and columns. This matrix can be created in different energy units, for different geographical regions and also for different time periods. While the choice of unit, country and time period, is intuitive and has user-specific needs, the choice of rows and columns needs to be harmonised within one methodological approach. The actual link between the matrix and source data for each position of the energy balance is available within Eurostat's [energy balance builder tool](#).

In the tool, each cell of the energy balance matrix is linked<sup>2</sup> to the source data cell. These links could be to one data point in source data, to a sum of several data points, difference or other formula.

In the calculation process, the quantities are also combined with a conversion factor to TJ.

Consequently, the actually applied calculations are described in the most exhaustive level of details in the MS Excel file representing Eurostat's [energy balance builder tool](#).

## Products (columns of the energy balance)

This chapter presents the basic relationships between energy products (fuels) used in this publication. For the full set of relationships between products, please refer to the [Energy balance guide](#). For the definition of individual fuels, please refer to [Regulation \(EC\) No 1099/2008 on energy statistics](#).

**Total** = Solid fossil fuels + Manufactured gases + Peat and peat products + Oil shale and oil sands + Oil and petroleum products (excluding biofuel portion) + Natural gas + Renewables and biofuels + Non-renewable waste + Nuclear heat + Heat + Electricity

**Fossil fuels** = Solid fossil fuels + Manufactured gases + Peat and peat products + Oil shale and oil sands + Oil and petroleum products (excluding biofuel portion) + Natural gas + Non-renewable waste

**Solid fossil fuels** = Anthracite + Coking coal + Other bituminous coal + Sub-bituminous coal + Lignite + Patent fuels + Coke oven coke + Gas coke + Coal tar + Brown coal briquettes

**Manufactured gases** = Gas works gas + Coke oven gas + Blast furnace gas and Other recovered gases

**Peat and peat products** = Peat + Peat products

**Oil and petroleum products** = Crude oil + Natural gas liquids + Refinery feedstocks + Additives and oxygenates (excluding biofuel portion) + Other hydrocarbons + Refinery gas + Ethane + Liquefied petroleum gas + Motor gasoline (excluding biofuel portion) + Aviation gasoline + Gasoline-type jet fuel + Kerosene-type jet fuel (excluding biofuel portion) + Other kerosene + Naphtha + Gas oil and diesel oil (excluding biofuel portion) + Fuel oil + White spirit and special boiling point industrial spirits + Lubricants + Bitumen + Petroleum coke + Paraffin waxes + Other oil products not elsewhere specified

**Renewables and biofuels** = Hydro power + Tide, wave and ocean + Wind power + Solar photovoltaic + Solar thermal + Geothermal + Primary solid biofuels + Charcoal + Biogases + Renewable municipal waste + Pure biogasoline + Blended biogasoline + Pure biodiesels + Blended biodiesels + Pure bio jet kerosene + Blended bio jet kerosene + Other liquid biofuels + Ambient heat (heat pumps)

**Non-renewable waste** = Industrial waste (non-renewable) + Non-renewable municipal waste

## Flows (rows of the energy balance)

Eurostat's energy balance has 3 blocks:

- Top block: Supply
- Medium block: Transformation input, Transformation output, Consumption of the energy branch and Distribution losses
- Bottom block: Final non-energy consumption and Final energy consumption (disaggregated into subsectors of the industry, transport and other sectors)

<sup>2</sup> Tracing precedent cell in MS Excel is facilitated with the keyboard shortcut: Ctrl + [

In the medium block, the Transformation input and Transformation output include real energy product transformations as well as virtual product transformations. These virtual transformations cover the following aspects:

- blending of various products into each other
- methodological transformations of electricity produced from non-combustible fuels such as nuclear heat, hydro, wind, geothermal, solar thermal and photovoltaic
- interproduct transfers, backflows and exchanges between petroleum refineries and petrochemical industries

The difference between transformation input and transformation output constitutes the transformation losses.

This chapter presents only the relationships between the elements used in this publication. For the full set of relationships as well as a more detailed definition of each category, please refer to the [Energy balance guide](#).

**Gross available energy** = Primary production + Recovered & Recycled products + Imports – Export + Stock changes

**Gross inland consumption** = Gross available energy – International maritime bunkers

**Total energy supply** = Gross available energy – International maritime bunkers – International aviation

**Transformation input** = Electricity & heat generation + Coke ovens + Blast furnaces + Gas works + Refineries & petrochemical industry + Patent fuel plants + BKB & PB plants + Coal liquefaction plants + For blended natural gas + Liquid biofuels blended + Charcoal production plants + Gas-to-liquids plants + Not elsewhere specified

**Transformation output** = Electricity & Heat generation + Coke ovens + Blast furnaces + Gas works + Refineries & Petrochemical industry + Patent fuel plants + BKB & PB plants + Coal liquefaction plants + Blended in Natural gas + Liquid biofuels blended + Charcoal production plants + Gas-to-liquids plants + Not elsewhere specified

**Energy sector** = Own use in electricity & heat generation + Coal mines + Oil & natural gas extraction plants + Patent fuel plants + Coke ovens + BKB & PB plants + Gas works + Blast furnaces + Petroleum refineries (oil refineries) + Nuclear industry + Coal liquefaction plants + Liquefaction & regasification plants (LNG) + Gasification plants for biogas + Gas-to-liquids (GTL) plants + Charcoal production plants + Not elsewhere specified (energy)

**Energy available for final consumption** = Total energy supply – Transformation input + Transformation output – Energy sector – Distribution losses

**Final energy consumption** = Industry sector + Transport sector + Other sectors

**Industry sector** = Iron & steel + Chemical & petrochemical + Non-ferrous metals + Non-metallic minerals + Transport equipment + Machinery + Mining & quarrying + Food, beverages & tobacco + Paper, pulp & printing + Wood & wood products + Construction + Textile & leather + Not elsewhere specified (industry)

**Transport sector** = Rail + Road + Domestic aviation + Domestic navigation + Pipeline transport + Not elsewhere specified (transport)

**Other sectors** = Commercial & public services + Households + Agriculture & forestry + Fishing + Not elsewhere specified (other)

**Statistical differences** = Energy available for final consumption – Final non-energy consumption – Final energy consumption

## Europe 2020-2030 indicators

In order to allow comparison with Europe 2020 targets established prior to the actual methodology of energy balance, these indicators approximates those calculated under the old energy balance methodology – the methodology in place at the time of establishing the Europe 2020 targets. These specific indicators should be used also for tracking progress towards Europe 2020 targets, regular energy balance aggregates should not be used for this purpose. Also progress towards Europe 2030 targets can be traced using these indicators.

- Gross inland consumption (Europe 2020-2030)
- Primary energy consumption (Europe 2020-2030)
- Final energy consumption (Europe 2020-2030)

## International Recommendation for Energy Statistics

Eurostat's framework and methodology for producing energy balances are coherent with recommendations described in the [International Recommendation for Energy Statistics](#) adopted by the United Nations Statistical Commission in 2011. While many aspects are fully coherent, some minor divergences exist. Please refer to the [Energy balance guide](#) for more detailed elaborations.

## Literature and information sources

These sources offer additional information:

- [Energy balance guide](#); Eurostat; 2019
- [International Recommendations for Energy Statistics](#); United Nations; 2016
- [Energy Statistics Compilers Manual](#); United Nations; 2016
- [Energy Statistics Manual](#); International Energy Agency – Eurostat; 2004 edition
- [Energy statistics methodology](#); Eurostat; 1988
- Concepts and methods in energy statistics, with special reference to energy accounts and balances; United Nations; 1982

In order to understand better, energy statistics and energy balances disseminated by Eurostat, it is highly recommended to analyse the [quality reports on EU energy statistics](#) and [country-specific metadata files](#).

# 3

## General notes

### Notes on geographical areas and regional aggregates

**EU-28** = Belgium + Bulgaria + Czechia + Denmark + Germany + Estonia + Ireland + Greece + Spain + France + Croatia + Italy + Cyprus + Latvia + Lithuania + Luxembourg + Hungary + Malta + Netherlands + Austria + Poland + Portugal + Romania + Slovenia + Slovakia + Finland + Sweden + United Kingdom

**EA-19** = Belgium + Germany + Estonia + Ireland + Greece + Spain + France + Italy + Cyprus + Latvia + Lithuania + Luxembourg + Malta + Netherlands + Austria + Portugal + Slovenia + Slovakia + Finland

Designation "**Kosovo**" is without prejudice to positions on status, and in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

### Interpretations of zeros

The statistical data collection system for energy statistics cannot distinguish between the following cases:

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

All these cases are shown as "zero" in the tables in this publication and interpreted as zero for charts shown.

### Specific flags used

Symbol "Z" means data are not applicable. This is either due to a methodologically impossible combination in the energy balance matrix or due to the non-existence at the data collection phase. For example, the following elements are not feasible: consumption of solid fossil fuel in aviation, use of hydro power in households and renewables as transformation output of blast furnaces.

Symbol ":" means data are not available. This is when countries did not transmit data for the reference period concerned. It only relates to periods in past. If a country transmit some data, all not available data for that reference year will be shown as zero (see section Interpretations of zeros).

# 4

## Cross country comparisons

### Selected key indicators for cross country comparisons

This chapter presents selected indicators allowing meaningful comparisons between countries. The indicators reflecting mostly the size of a country (such as absolute levels of energy consumption) are not presented here.

#### Share of fossil fuels in gross available energy

This indicator is calculated as a ratio:

Numerator = Solid fossil fuels + Manufactured gases + Peat and peat products + Oil shale and oil sands + Natural gas + Oil and petroleum products (excluding biofuel portion) + Non-renewable waste

Denominator = Total of all energies

Calculations are done for Gross available energy from dataset [nrg\\_bal\\_s](#).

Resulting values are shown as a percentage.

#### Share of electricity from renewable sources in total electricity generation

This indicator is calculated as a ratio:

Numerator = Gross electricity production from Renewables and biofuels

Denominator = Total gross electricity production

Electricity produced from “other sources” and electricity produced from “chemical heat” are excluded as information on its origin is missing – it is not known if it is renewable or not. Electricity produced from water previously pumped uphill is neither considered as renewable.

Calculations are based on datasets [nrg\\_bal\\_peh](#) and [nrg\\_bal\\_c](#).

Resulting values are shown as a percentage.

#### Energy intensity of the economy (energy per GDP in PPS)

Gross domestic product measured in purchasing power standards is more suitable to compare across countries in a given time period.

This indicator is calculated as a ratio:

Numerator = Gross available energy (Total)

Denominator = Gross domestic product at market prices measured in current prices in million purchasing power standards

Resulting values are shown in kilograms of oil equivalent per thousand euro in purchasing power standards.

## **Energy intensity of the economy (energy per chain-linked GDP)**

Gross domestic product measured in chain-linked volumes is more suitable to compare development over time in one country.

This indicator is calculated as a ratio:

Numerator = Gross available energy (Total)

Denominator = Gross domestic product at market prices measured in chain-linked volumes (2010) in million euro

Resulting values are shown in kilograms of oil equivalent per thousand euro.

## **Energy use in households per capita**

This indicator is calculated as a ratio:

Numerator = Final energy consumption in households of all products (Total)

Denominator = Population

Calculations are based on datasets [nrg\\_bal\\_s](#) and [demo\\_pjan](#).

Resulting values are shown in kilograms of oil equivalent per capita.

## **Overall import dependency**

This indicator is calculated as a ratio:

Numerator = Net imports (Total imports – Total exports)

Denominator = Gross available energy

Calculations are done for the total of all energies from dataset [nrg\\_bal\\_s](#).

Resulting values are shown as a percentage.

**Table 3: Share of fossil fuels in gross available energy**

%	2000	2005	2010	2015	2016	2017
<b>EU-28</b>	80.6	79.8	77.3	73.9	74.1	74.1
<b>EA-19</b>	79.0	78.4	75.6	73.0	73.3	73.5
<b>Belgium</b>	79.3	79.0	77.6	79.3	75.1	75.7
<b>Bulgaria</b>	72.7	73.7	74.3	72.9	70.1	71.4
<b>Czechia</b>	89.7	83.6	79.9	75.7	76.7	76.0
<b>Denmark</b>	90.7	85.2	81.3	69.2	69.0	66.0
<b>Germany</b>	84.6	83.1	81.5	81.9	82.5	82.2
<b>Estonia</b>	91.1	91.7	90.4	85.5	87.4	86.4
<b>Ireland</b>	98.3	96.5	95.4	92.1	93.1	91.5
<b>Greece</b>	95.5	94.2	91.5	86.0	86.5	86.9
<b>Spain</b>	82.2	84.9	78.1	75.6	74.4	76.1
<b>France</b>	54.9	54.5	51.7	49.2	50.1	50.7
<b>Croatia</b>	78.1	77.3	74.6	70.0	71.1	71.9
<b>Italy</b>	92.1	90.4	85.7	80.8	81.3	80.2
<b>Cyprus</b>	98.3	98.1	96.4	94.2	94.4	94.1
<b>Latvia</b>	65.3	65.7	69.1	63.5	63.6	59.9
<b>Lithuania</b>	60.4	61.6	77.3	70.8	70.0	69.4
<b>Luxembourg</b>	85.5	92.7	89.7	83.5	81.7	81.4
<b>Hungary</b>	80.9	79.5	73.0	67.5	68.1	69.5
<b>Malta</b>	100.0	100.0	99.8	95.2	93.7	96.1
<b>Netherlands</b>	95.6	95.1	95.5	93.8	94.2	94.0
<b>Austria</b>	77.9	78.9	73.2	68.1	68.5	69.5
<b>Poland</b>	96.4	96.2	92.9	90.6	91.1	91.3
<b>Portugal</b>	85.3	85.5	77.1	78.2	78.1	81.4
<b>Romania</b>	85.3	84.2	75.5	73.9	73.0	74.0
<b>Slovenia</b>	70.5	69.2	68.6	63.4	65.1	63.6
<b>Slovakia</b>	74.6	71.9	70.3	64.3	65.1	66.1
<b>Finland</b>	56.3	55.8	57.2	46.6	47.6	44.8
<b>Sweden</b>	39.0	38.7	39.9	32.0	34.4	32.6
<b>United Kingdom</b>	89.2	89.2	90.0	83.0	82.5	81.6
<b>Iceland</b>	29.4	30.7	14.5	15.8	18.4	18.7
<b>Norway</b>	55.1	56.9	62.6	58.7	54.4	57.1
<b>Montenegro</b>	:	56.0	64.8	65.7	63.7	64.0
<b>North Macedonia</b>	87.5	83.5	81.4	76.5	79.5	81.3
<b>Albania</b>	59.9	67.7	63.7	60.6	59.4	62.7
<b>Serbia</b>	86.0	89.9	87.0	87.5	88.1	87.6
<b>Turkey</b>	86.6	88.4	89.1	88.0	87.5	88.3
<b>Bosnia and Herzegovina</b>	:	:	:	86.1	89.2	90.6
<b>Kosovo</b>	84.0	87.2	88.5	88.6	87.3	83.7
<b>Ukraine</b>	84.4	83.4	80.7	72.4	74.0	70.9
<b>Georgia</b>	:	:	:	75.6	75.3	74.4

Source: Eurostat (calculations based on dataset [nrg\\_bal\\_s](#))

**Table 4: Share of electricity from renewable sources in total electricity generation**

%	2000	2005	2010	2015	2016	2017
<b>EU-28</b>	13.9	14.1	20.4	29.2	29.5	29.9
<b>EA-19</b>	13.9	13.6	21.3	28.7	29.7	29.4
<b>Belgium</b>	1.3	2.5	6.9	21.2	17.0	18.6
<b>Bulgaria</b>	6.6	9.9	12.6	18.0	15.9	13.7
<b>Czechia</b>	3.1	3.8	6.9	11.4	11.4	11.2
<b>Denmark</b>	15.5	27.1	32.0	65.5	60.4	70.6
<b>Germany</b>	6.2	10.2	16.8	29.3	29.4	33.5
<b>Estonia</b>	0.2	1.1	8.1	14.4	12.4	13.8
<b>Ireland</b>	5.0	7.3	13.2	28.0	24.9	28.9
<b>Greece</b>	7.8	10.8	18.3	28.7	27.4	25.0
<b>Spain</b>	15.6	14.9	32.8	35.0	38.6	32.3
<b>France</b>	13.0	9.9	13.9	16.0	17.7	16.6
<b>Croatia</b>	57.3	54.1	62.8	66.8	66.3	60.4
<b>Italy</b>	18.9	16.4	25.8	38.8	37.6	35.4
<b>Cyprus</b>	0.0	0.0	1.4	8.8	8.7	8.7
<b>Latvia</b>	68.3	69.6	54.9	50.2	54.2	72.5
<b>Lithuania</b>	3.1	3.2	19.2	42.0	61.5	75.6
<b>Luxembourg</b>	40.7	6.3	8.3	32.3	58.3	66.8
<b>Hungary</b>	0.7	5.2	8.1	10.7	10.2	10.6
<b>Malta</b>	0.0	0.0	0.0	7.8	15.8	10.0
<b>Netherlands</b>	3.3	7.5	9.4	12.4	12.8	14.9
<b>Austria</b>	72.6	63.4	66.2	76.7	78.0	75.4
<b>Poland</b>	1.6	2.5	6.9	13.8	13.7	14.2
<b>Portugal</b>	29.7	17.9	52.8	47.5	54.6	39.1
<b>Romania</b>	28.7	34.0	33.5	39.7	41.8	38.0
<b>Slovenia</b>	28.7	23.6	29.2	29.4	31.2	27.7
<b>Slovakia</b>	15.0	14.9	21.7	22.8	24.8	23.9
<b>Finland</b>	33.5	33.4	30.1	44.7	44.4	46.9
<b>Sweden</b>	57.2	51.3	55.3	63.3	57.2	57.9
<b>United Kingdom</b>	2.7	4.3	6.9	24.8	24.7	29.6
<b>Iceland</b>	99.9	99.9	100.0	100.0	100.0	100.0
<b>Norway</b>	99.8	99.6	95.8	97.9	98.0	98.0
<b>Montenegro</b>	:	65.2	68.4	49.7	58.7	45.1
<b>North Macedonia</b>	17.2	21.5	33.5	35.9	36.7	23.1
<b>Albania</b>	96.1	98.7	100.0	100.0	100.0	100.0
<b>Serbia</b>	30.7	31.8	31.8	26.9	28.1	25.5
<b>Turkey</b>	24.9	24.6	26.4	32.0	33.0	29.4
<b>Bosnia and Herzegovina</b>	:	:	:	33.8	31.9	23.5
<b>Kosovo</b>	1.8	2.5	3.0	2.3	4.1	3.0
<b>Ukraine</b>	6.6	6.7	7.1	4.4	5.7	7.0
<b>Georgia</b>	:	:	:	78.0	80.7	80.6

Source: Eurostat (calculations based on datasets [nrg\\_bal\\_peh](#) and [nrg\\_bal\\_c](#))

**Table 5: Energy intensity of the economy (energy per GDP PPS)**

<b>kgoe per 000 €</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>EU-28</b>	183.6	162.5	141.5	113.3	113.2	111.8
<b>EA-19</b>	175.1	158.8	140.1	114.1	113.6	112.6
<b>Belgium</b>	257.7	224.6	205.9	154.3	163.2	161.6
<b>Bulgaria</b>	409.6	303.9	212.6	191.0	181.4	181.3
<b>Czechia</b>	283.7	239.0	205.6	158.6	154.8	152.7
<b>Denmark</b>	155.0	130.9	115.6	86.6	87.6	84.7
<b>Germany</b>	175.3	155.1	137.6	108.3	107.6	105.8
<b>Estonia</b>	419.7	283.6	267.1	197.8	211.7	195.2
<b>Ireland</b>	144.3	108.9	100.5	58.7	61.3	56.8
<b>Greece</b>	169.6	141.3	128.9	117.3	117.6	121.5
<b>Spain</b>	170.5	148.8	122.0	107.0	106.5	107.3
<b>France</b>	185.9	170.8	152.3	128.1	126.2	123.5
<b>Croatia</b>	202.9	175.7	145.6	116.9	115.1	115.9
<b>Italy</b>	130.7	129.5	113.2	93.8	90.9	92.4
<b>Cyprus</b>	201.9	162.7	139.4	125.9	131.4	128.3
<b>Latvia</b>	232.8	184.0	173.2	126.2	127.8	123.7
<b>Lithuania</b>	281.3	217.5	146.3	110.7	114.6	113.6
<b>Luxembourg</b>	172.8	178.1	139.9	95.0	94.3	95.7
<b>Hungary</b>	237.4	194.8	161.4	129.3	133.5	134.1
<b>Malta</b>	234.7	208.6	270.7	189.7	194.5	214.1
<b>Netherlands</b>	205.6	190.3	174.6	137.6	140.9	136.6
<b>Austria</b>	141.7	139.8	127.8	103.5	102.9	102.9
<b>Poland</b>	250.6	206.1	166.1	125.2	131.4	131.3
<b>Portugal</b>	152.9	138.0	112.4	102.2	101.6	104.6
<b>Romania</b>	319.6	222.1	133.3	99.0	92.9	91.0
<b>Slovenia</b>	205.0	180.4	166.4	132.6	136.3	131.5
<b>Slovakia</b>	330.7	246.4	172.0	134.4	133.9	138.7
<b>Finland</b>	274.7	246.9	232.3	188.6	195.0	190.1
<b>Sweden</b>	215.3	205.4	176.3	140.6	148.6	144.8
<b>United Kingdom</b>	173.7	142.0	124.8	94.3	93.2	89.7
<b>Iceland</b>	467.2	366.3	581.6	483.5	443.4	442.3
<b>Norway</b>	181.3	148.7	155.8	127.3	127.9	132.8
<b>Montenegro</b>	:	:	174.7	134.9	122.1	122.0
<b>North Macedonia</b>	247.0	215.1	161.3	122.9	120.3	122.8
<b>Albania</b>	176.7	149.9	100.3	87.9	92.0	91.7
<b>Serbia</b>	359.8	276.4	218.6	186.5	192.7	193.5
<b>Turkey</b>	146.3	125.8	109.6	88.1	92.5	94.8
<b>Bosnia and Herzegovina</b>	:	:	:	199.7	214.2	207.8

Source: Eurostat ([nrg\\_ind\\_ei](#))

**Table 6: Energy intensity of the economy (energy per chain-linked GDP)**

<b>kgoe per 000 €</b>	<b>1995</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>
<b>EU-28</b>	176.7	158.7	153.5	141.5	123.6	121.0
<b>EA-19</b>	157.5	147.1	146.1	135.2	120.3	117.9
<b>Belgium</b>	215.3	208.3	196.0	188.4	154.9	161.5
<b>Bulgaria</b>	882.9	766.2	627.7	470.0	453.9	426.2
<b>Czechia</b>	398.7	359.9	327.8	291.0	248.6	238.5
<b>Denmark</b>	111.7	92.3	85.6	86.8	70.0	69.0
<b>Germany</b>	160.0	146.1	143.2	130.7	113.6	110.7
<b>Estonia</b>	665.1	454.0	359.1	399.1	323.6	317.0
<b>Ireland</b>	135.6	114.7	95.0	90.5	59.5	54.7
<b>Greece</b>	170.2	165.1	146.9	136.6	138.8	140.8
<b>Spain</b>	149.0	150.4	149.1	128.5	121.9	120.9
<b>France</b>	158.9	146.9	146.1	136.3	124.7	118.7
<b>Croatia</b>	265.7	239.8	224.2	209.6	189.7	186.0
<b>Italy</b>	116.1	113.3	117.6	112.1	101.2	101.1
<b>Cyprus</b>	179.1	187.0	166.4	152.4	142.0	144.1
<b>Latvia</b>	500.3	315.0	266.0	274.4	219.1	213.0
<b>Lithuania</b>	612.1	398.2	337.5	248.6	207.1	209.9
<b>Luxembourg</b>	144.1	118.8	134.9	115.6	90.6	90.4
<b>Hungary</b>	373.0	311.9	285.4	269.1	231.5	230.1
<b>Malta</b>	:	272.1	267.0	361.8	266.0	302.2
<b>Netherlands</b>	192.2	163.8	166.4	156.5	132.8	129.0
<b>Austria</b>	124.5	115.1	123.5	116.2	107.3	105.4
<b>Poland</b>	524.5	363.5	324.0	281.3	228.4	232.2
<b>Portugal</b>	155.0	155.8	160.5	138.0	137.2	137.3
<b>Romania</b>	558.0	443.3	354.2	279.4	219.7	205.6
<b>Slovenia</b>	269.2	231.2	220.8	199.6	176.0	173.5
<b>Slovakia</b>	504.9	423.2	348.9	262.1	212.0	211.2
<b>Finland</b>	239.4	210.9	196.1	197.4	174.8	173.3
<b>Sweden</b>	204.5	163.5	157.0	142.5	122.2	122.8
<b>United Kingdom</b>	169.1	149.3	130.6	116.6	94.6	88.4
<b>Iceland</b>	385.0	429.9	351.8	542.2	494.4	448.1
<b>Norway</b>	101.8	95.2	90.4	104.3	85.0	84.5
<b>Montenegro</b>	:	:	:	361.3	301.2	281.5
<b>North Macedonia</b>	:	508.9	500.0	405.4	331.1	334.0
<b>Albania</b>	:	353.2	323.5	239.2	225.8	228.1
<b>Serbia</b>	751.5	702.8	589.2	494.8	450.2	453.7
<b>Turkey</b>	:	198.1	174.3	182.0	162.6	166.6
<b>Bosnia and Herzegovina</b>	:	:	:	:	446.2	458.0
<b>Kosovo</b>	:	:	:	571.7	490.3	460.0

Source: Eurostat ([nrg\\_ind\\_ei](#))

**Table 7: Energy use in households per capita**

<i>kgoe per capita</i>	2000	2005	2010	2015	2016	2017
<b>EU-28</b>	598	627	640	548	564	563
<b>EA-19</b>	607	634	639	549	565	567
<b>Belgium</b>	927	955	879	735	733	714
<b>Bulgaria</b>	257	272	302	304	315	326
<b>Czechia</b>	626	654	711	641	670	679
<b>Denmark</b>	791	834	904	785	805	791
<b>Germany</b>	795	770	764	655	682	685
<b>Estonia</b>	662	655	770	652	707	716
<b>Ireland</b>	663	717	723	578	563	539
<b>Greece</b>	418	503	415	405	398	410
<b>Spain</b>	298	351	365	323	327	332
<b>France</b>	670	685	702	590	620	608
<b>Croatia</b>	510	653	640	572	571	572
<b>Italy</b>	485	586	598	534	531	543
<b>Cyprus</b>	254	433	406	374	385	394
<b>Latvia</b>	557	669	655	557	581	614
<b>Lithuania</b>	389	449	507	465	496	511
<b>Luxembourg</b>	1 079	1 139	1 022	908	915	886
<b>Hungary</b>	548	690	664	606	626	643
<b>Malta</b>	197	179	167	181	182	205
<b>Netherlands</b>	683	659	753	568	583	568
<b>Austria</b>	793	784	794	739	749	752
<b>Poland</b>	450	510	578	499	521	525
<b>Portugal</b>	275	307	281	245	252	250
<b>Romania</b>	375	374	399	371	375	391
<b>Slovenia</b>	568	596	648	539	556	542
<b>Slovakia</b>	479	473	429	367	374	388
<b>Finland</b>	869	959	1 097	905	974	1 047
<b>Sweden</b>	824	811	860	738	757	751
<b>United Kingdom</b>	733	735	728	575	589	563
<b>Iceland</b>	1 114	1 141	1 189	1 193	1 427	1 252
<b>Norway</b>	854	841	912	772	776	779
<b>Montenegro</b>	:	397	444	427	425	423
<b>North Macedonia</b>	238	265	262	257	237	255
<b>Albania</b>	123	171	168	184	169	171
<b>Serbia</b>	415	415	421	397	413	405
<b>Turkey</b>	261	281	268	259	263	278
<b>Kosovo</b>	:	169	209	:	310	320
<b>Ukraine</b>	498	496	521	387	407	387
<b>Georgia</b>	:	:	:	324	342	358

Source: Eurostat (calculations based on datasets [nrg\\_bal\\_s](#) and [demo\\_pjan](#))

**Table 8: Overall import dependency**

%	2000	2005	2010	2015	2016	2017
<b>EU-28</b>	46.6	52.3	52.7	53.9	53.8	55.1
<b>EA-19</b>	64.1	65.1	62.0	62.2	62.0	63.1
<b>Belgium</b>	78.2	80.1	78.0	83.9	75.4	74.8
<b>Bulgaria</b>	46.4	47.3	40.2	36.5	38.6	39.5
<b>Czechia</b>	22.7	27.8	25.3	31.9	32.6	37.2
<b>Denmark</b>	-35.9	-50.9	-16.3	13.0	13.4	11.7
<b>Germany</b>	59.4	60.9	60.5	62.2	63.7	63.9
<b>Estonia</b>	33.8	28.2	15.3	9.6	7.9	4.1
<b>Ireland</b>	85.4	89.6	87.2	88.9	69.1	67.1
<b>Greece</b>	69.0	68.2	68.6	71.0	72.9	71.1
<b>Spain</b>	76.9	81.6	77.2	72.9	71.5	73.9
<b>France</b>	51.2	51.7	48.7	46.0	47.4	48.6
<b>Croatia</b>	48.5	52.6	46.8	48.9	48.5	53.3
<b>Italy</b>	86.5	83.3	82.6	77.0	77.7	77.0
<b>Cyprus</b>	98.6	100.7	100.8	97.7	96.2	96.3
<b>Latvia</b>	61.0	63.8	45.5	51.2	47.2	44.1
<b>Lithuania</b>	58.9	56.6	81.9	78.4	77.6	75.6
<b>Luxembourg</b>	99.6	97.4	97.0	95.9	96.1	95.4
<b>Hungary</b>	55.0	62.2	56.9	53.9	55.8	62.6
<b>Malta</b>	100.2	100.0	99.0	97.3	101.1	102.9
<b>Netherlands</b>	38.3	37.8	28.3	48.4	45.9	51.8
<b>Austria</b>	65.6	72.1	63.7	60.6	62.5	64.4
<b>Poland</b>	10.7	17.7	31.6	29.9	30.8	38.3
<b>Portugal</b>	85.3	88.6	75.2	78.2	74.0	79.9
<b>Romania</b>	21.9	27.2	21.2	16.4	21.6	23.1
<b>Slovenia</b>	52.8	52.5	49.5	49.7	49.3	50.4
<b>Slovakia</b>	65.1	66.0	64.4	60.1	60.6	64.8
<b>Finland</b>	55.6	54.7	48.9	48.2	46.0	44.0
<b>Sweden</b>	39.3	37.9	37.8	29.3	32.3	26.6
<b>United Kingdom</b>	-17.1	13.4	29.0	37.5	35.7	35.3
<b>Iceland</b>	30.6	31.2	13.9	16.4	18.9	18.6
<b>Norway</b>	-723.8	-700.6	-518.4	-586.5	-635.6	-597.2
<b>Montenegro</b>	:	42.5	26.4	29.8	34.7	40.2
<b>North Macedonia</b>	40.8	42.8	44.0	52.5	59.0	56.1
<b>Albania</b>	45.8	49.7	28.9	12.6	20.2	38.3
<b>Serbia</b>	13.9	36.6	33.5	27.7	29.7	33.8
<b>Turkey</b>	65.4	71.7	70.6	77.9	75.5	77.2
<b>Bosnia and Herzegovina</b>	:	:	:	33.7	31.5	34.0
<b>Kosovo</b>	27.1	28.2	24.6	27.6	23.6	30.0
<b>Ukraine</b>	43.1	42.3	31.6	32.5	29.5	37.1
<b>Georgia</b>	:	:	:	72.4	71.7	72.4

Source: Eurostat ([nrg\\_ind\\_id](#))

# 5

# Simplified energy balances, key balance indicators and charts

## Notes for tables

Definitions, methodology and notes specified in chapters 2 and 3 applies.

## Notes for charts

In order to avoid problems with negative values for countries that are net exporters of electricity, chart **Gross available energy by fuel** does not show data on net imports or net exports of electricity and heat. Trade of other energy commodities is included in the respective fuel categories.

In chart **Gross electricity production by fuel** category *Other* includes peat and peat products, oil shale and oil sands, manufactured gases, non-renewable municipal and industrial wastes, heat from chemical sources and values reported by countries as “non-specific other sources”. Electricity produced in hydro plants from water previously pumped uphill is included under *Renewables and biofuels*. In the energy balance, this electricity does not count as primary energy source for hydro power and is included within the transformation sector.

In chart **Final energy consumption by fuel** category *Other* includes includes peat and peat products, oil shale and oil sands, manufactured gases and non-renewable municipal and industrial wastes.

In chart **Final consumption by sector** category *Transport* includes pipeline transport and excluded international marine and aviation bunkers (shipping and aviation between countries). Category *Industry* includes the industry sector as defined in Regulation (EC) No 1099/2008 on energy statistics and also agriculture, forestry, fishing and data reported under other non-specified.

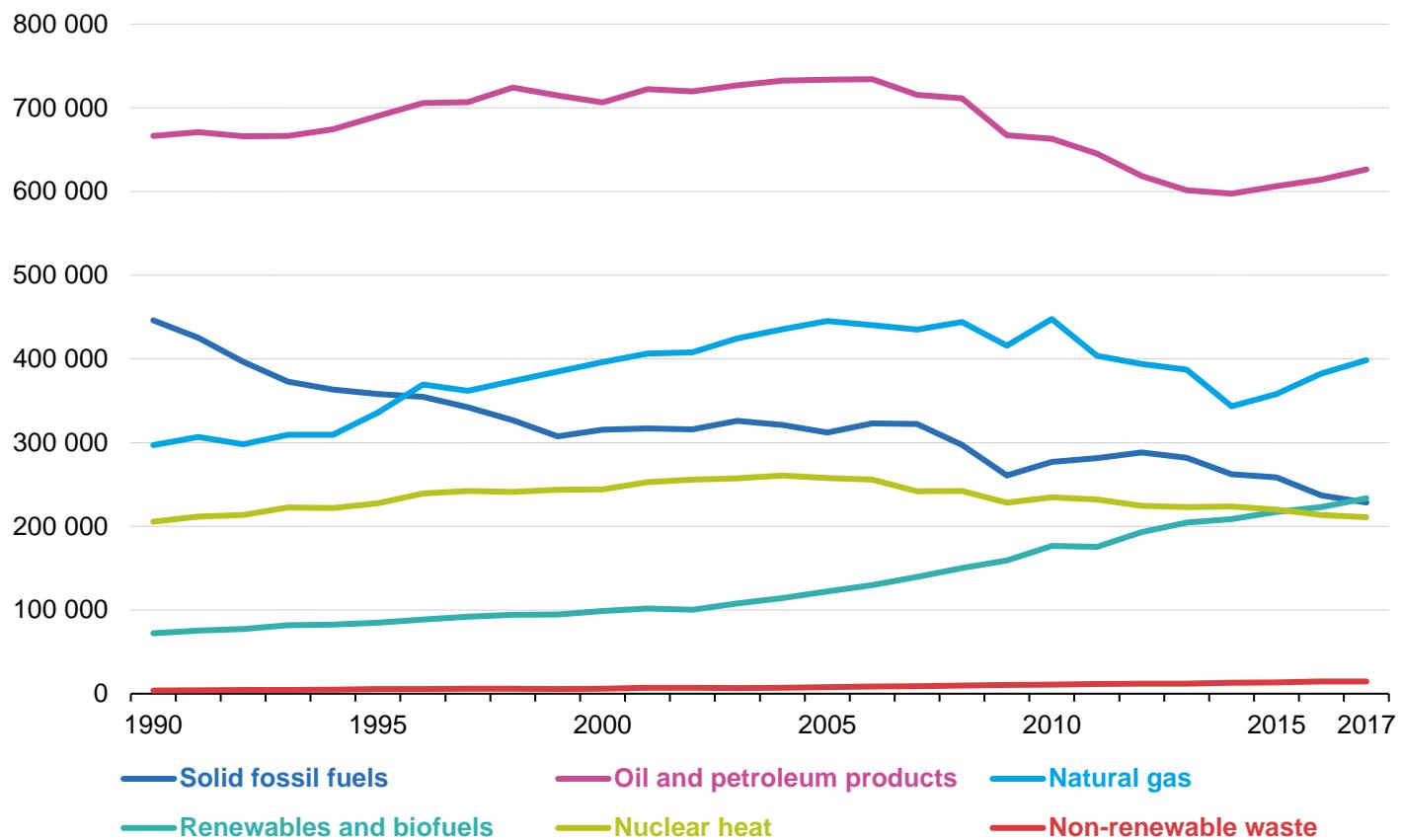
European Union (28 countries)	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017											
+ Primary production	758 208.9	124 466.3	0.0	1 603.8	4 147.1	73 389.7	103 091.0	226 586.0	14 200.9	210 724.2	0.0	0.0
+ Recovered & recycled products	1 627.3	467.5	0.0	0.0	0.0	1 159.7	0.0	0.0	0.0	0.0	0.0	0.0
+ Imports	1 528 082.9	115 369.6	0.0	58.3	0.0	968 451.1	392 136.5	18 493.1	486.8	0.0	6.2	33 081.4
- Exports	580 305.7	15 016.1	0.0	15.0	0.0	425 156.3	96 028.5	11 843.9	36.5	0.0	5.0	32 204.4
+ Change in stock	11 810.3	3 098.3	0.0	526.8	54.8	8 680.4	-787.6	240.6	-2.9	0.0	0.0	0.0
= Gross available energy	<b>1 719 423.6</b>	<b>228 385.6</b>	<b>0.0</b>	<b>2 173.9</b>	<b>4 201.8</b>	<b>626 524.6</b>	<b>398 411.3</b>	<b>233 475.7</b>	<b>14 648.3</b>	<b>210 724.2</b>	<b>1.3</b>	<b>877.0</b>
- International maritime bunkers	44 499.4	0.0	0.0	0.0	0.0	44 472.3	27.1	0.0	0.0	0.0	0.0	0.0
= Gross inland consumption	<b>1 674 924.2</b>	<b>228 385.6</b>	<b>0.0</b>	<b>2 173.9</b>	<b>4 201.8</b>	<b>582 052.3</b>	<b>398 384.1</b>	<b>233 475.7</b>	<b>14 648.3</b>	<b>210 724.2</b>	<b>1.3</b>	<b>877.0</b>
- International aviation	51 158.0	0.0	0.0	0.0	0.0	51 158.0	0.0	0.0	0.0	0.0	0.0	0.0
= Total energy supply	<b>1 623 766.1</b>	<b>228 385.6</b>	<b>0.0</b>	<b>2 173.9</b>	<b>4 201.8</b>	<b>530 894.3</b>	<b>398 384.1</b>	<b>233 475.7</b>	<b>14 648.3</b>	<b>210 724.2</b>	<b>1.3</b>	<b>877.0</b>
<b>Transformation input</b>	<b>1 528 380.7</b>	<b>231 541.7</b>	<b>8 504.7</b>	<b>1 874.5</b>	<b>4 135.6</b>	<b>786 331.0</b>	<b>125 258.4</b>	<b>144 557.8</b>	<b>10 723.6</b>	<b>210 724.2</b>	<b>775.4</b>	<b>3 953.7</b>
+ Electricity & heat generation	665 619.2	157 823.5	8 504.1	1 763.9	2 494.2	16 278.7	123 326.6	129 251.3	10 723.6	210 724.2	775.4	3 953.7
+ Coke ovens	36 454.2	36 027.4	0.0	0.0	16.3	399.0	11.5	0.0	0.0	0.0	0.0	0.0
+ Blast furnaces	33 150.2	33 090.0	0.0	0.0	0.0	27.4	32.8	0.0	0.0	0.0	0.0	0.0
+ Gas works	721.0	517.9	0.0	0.0	184.8	0.4	17.9	0.0	0.0	0.0	0.0	0.0
+ Refineries & petrochemical industry	769 433.0	0.0	0.0	0.0	0.0	769 433.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Patent fuel plants	208.2	145.5	0.0	0.0	0.0	62.7	0.0	0.0	0.0	0.0	0.0	0.0
+ BKB & PB plants	3 807.1	3 696.5	0.0	110.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Coal liquefaction plants	1 440.2	0.0	0.0	0.0	1 440.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ For blended natural gas	598.7	0.0	0.0	0.0	0.0	129.5	0.0	469.1	0.0	0.0	0.0	0.0
+ Liquid biofuels blended	14 503.4	0.0	0.0	0.0	0.0	0.0	0.0	14 503.4	0.0	0.0	0.0	0.0
+ Charcoal production plants	244.2	0.0	0.0	0.0	0.0	0.0	0.0	244.2	0.0	0.0	0.0	0.0
+ Gas-to-liquids plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Not elsewhere specified	2 201.4	241.0	0.6	0.0	0.0	0.3	1 869.7	89.8	0.0	0.0	0.0	0.0
<b>Transformation output</b>	<b>1 175 553.5</b>	<b>31 254.8</b>	<b>19 888.2</b>	<b>77.0</b>	<b>0.0</b>	<b>766 501.4</b>	<b>501.5</b>	<b>14 259.5</b>	<b>0.0</b>	<b>0.0</b>	<b>59 391.4</b>	<b>283 679.8</b>
+ Electricity & heat generation	343 071.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59 391.4	283 679.8
+ Coke ovens	33 926.0	27 315.1	6 611.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Blast furnaces	12 762.3	0.0	12 762.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Gas works	468.4	0.0	468.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Refineries & petrochemical industry	763 655.5	0.0	0.0	0.0	0.0	763 655.5	0.0	0.0	0.0	0.0	0.0	0.0
+ Patent fuel plants	137.2	137.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ BKB & PB plants	3 879.5	3 802.5	0.0	77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Coal liquefaction plants	955.0	0.0	0.0	0.0	0.0	955.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Blended in natural gas	501.5	0.0	0.0	0.0	0.0	0.0	501.5	0.0	0.0	0.0	0.0	0.0
+ Liquid biofuels blended	14 173.8	0.0	0.0	0.0	0.0	0.0	0.0	14 173.8	0.0	0.0	0.0	0.0
+ Charcoal production plants	85.8	0.0	0.0	0.0	0.0	0.0	0.0	85.8	0.0	0.0	0.0	0.0
+ Gas-to-liquids plants	1 643.7	0.0	0.0	0.0	0.0	1 643.7	0.0	0.0	0.0	0.0	0.0	0.0
+ Not elsewhere specified	293.8	0.0	46.5	0.0	0.0	247.2	0.0	0.0	0.0	0.0	0.0	0.0
<b>Energy sector</b>	<b>79 194.4</b>	<b>653.1</b>	<b>5 124.7</b>	<b>20.0</b>	<b>2.0</b>	<b>30 098.4</b>	<b>16 613.8</b>	<b>666.3</b>	<b>75.1</b>	<b>0.0</b>	<b>4 866.0</b>	<b>21 075.0</b>
+ Own use in electricity & heat genera	15 182.7	19.0	14.8	0.0	0.0	30.1	65.9	22.6	8.1	0.0	1 159.9	13 862.4
+ Coal mines	1 467.2	301.4	32.3	0.0	2.0	71.9	31.4	0.4	0.1	0.0	122.6	905.1
+ Oil & natural gas extraction plants	8 314.9	0.0	0.0	0.0	0.0	699.6	6 911.0	0.0	0.0	0.0	16.9	687.5
+ Patent fuel plants	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
+ Coke ovens	3 417.3	122.6	3 045.9	0.0	0.0	0.2	28.6	0.0	0.1	0.0	93.1	126.8
+ BKB & PB plants	1 019.2	187.4	0.0	20.0	0.0	0.0	0.0	17.6	0.0	0.0	367.1	427.1
+ Gas works	14.1	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.3	10.0
+ Blast furnaces	2 235.6	1.5	1 996.2	0.0	0.0	0.6	37.0	0.0	39.3	0.0	10.7	150.4
+ Petroleum refineries (oil refineries)	43 104.2	21.3	25.0	0.0	0.0	29 067.2	8 537.9	40.1	0.0	0.0	2 246.0	3 166.8
+ Nuclear industry	102.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.5
+ Coal liquefaction plants	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	17.9
+ Liquefaction & regasification plants (	199.0	0.0	0.0	0.0	0.0	0.0	196.6	0.0	0.0	0.0	0.4	1.9
+ Gasification plants for biogas	537.8	0.0	0.0	0.0	0.0	0.0	0.0	535.2	0.0	0.0	2.6	0.0
+ Gas-to-liquids (GTL) plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Charcoal production plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Not elsewhere specified (energy)	3 573.5	0.0	10.4	0.0	0.0	228.7	805.4	46.8	27.6	0.0	837.8	1 616.7
<b>Distribution losses</b>	<b>25 892.4</b>	<b>29.9</b>	<b>905.0</b>	<b>0.8</b>	<b>0.0</b>	<b>30.1</b>	<b>1 937.4</b>	<b>66.5</b>	<b>0.2</b>	<b>0.0</b>	<b>5 186.1</b>	<b>17 736.3</b>
<b>Available for final consumption</b>	<b>1 165 852.1</b>	<b>27 415.6</b>	<b>5 353.7</b>	<b>355.5</b>	<b>64.2</b>	<b>480 936.2</b>	<b>255 076.0</b>	<b>102 444.6</b>	<b>3 849.4</b>	<b>0.0</b>	<b>48 565.1</b>	<b>241 791.7</b>
<b>Final non-energy consumption</b>	<b>102 207.9</b>	<b>1 659.8</b>	<b>17.5</b>	<b>0.0</b>	<b>53.4</b>	<b>85 371.9</b>	<b>15 105.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Final energy consumption</b>	<b>1 060 037.3</b>	<b>25 608.5</b>	<b>5 246.6</b>	<b>432.7</b>	<b>19.1</b>	<b>394 124.8</b>	<b>239 278.5</b>	<b>102 366.4</b>	<b>3 847.4</b>	<b>0.0</b>	<b>48 527.9</b>	<b>240 585.4</b>
+ Industry	261 036.8	14 443.5	5 232.9	153.9	19.1	26 833.3	82 617.2	23 041.9	3 537.8	0.0	16 122.5	89 034.7
+ Iron & steel	27 860.2	3 656.4	4 976.1	0.0	0.0	609.8	8 342.6	6.5	2.6	0.0	486.4	9 779.8
+ Chemical & petrochemical	52 695.5	3 106.9	78.2	2.6	0.0	7 267.2	18 783.1	316.1	481.1	0.0	6 859.3	15 801.1
+ Non-ferrous metals	10 322.9	297.1	34.0	0.2	0.0	308.8	3 573.1	1.7	11.0	0.0	157.6	5 939.3
+ Non-metallic minerals	34 184.0	4 175.8	81.0	1.1	18.8	5 847.1	13 310.0	1 767.9	2 736.0	0.0	226.7	6 019.5
+ Transport equipment	8 697.2	240.8	37.3	0.0	0.0	387.7	2 783.2	16.0	0.1	0.0	577.0	4 655.1
+ Machinery	19 565.3	111.4	12.7	0.1	0.0	994.0	7 110.4	99.8	6.5	0.0	593.0	10 637.4
+ Mining & quarrying	3 515.9	172.1	11.5	0.0	0.0	879.8	601.3	49.2	1.6	0.0	119.3	1 681.0
+ Food, beverages & tobacco	29 947.5	1 366.4	0.9	0.6	0.3	1 792.4	14 198.0	1 142.4	6.7	0.0	1 309.0	10 130.9
+ Paper, pulp & printing	34 355.6	869.3	0.0	147.7	0.0	699.9	6 834.8	13 438.2	139.7	0.0	2 138.4	10 087.5
+ Wood & wood products	8 859.1	43.2	0.0	1.2	0.0	230.7	677.3	5 028.6	32.6	0.0	584.4	2 261.1
+ Construction	7 504.9	44.6	0.0	0.0	0.0	3 746.3	1 771.8	92.9	1.4	0.0	40.0	1 808.0
+ Textile & leather	4 244.6	56.8	0.0	0.0	0.0	218.2	2 033.4	20.7	0.7	0.0	146.8	1 768.0
+ Not elsewhere specified (industry)	18 988.5	302.5	1.2	0.4	0.0	3 851.5	2 598.1	766.5	117.9	0.0	2 884.6	8 465.9
+ Transport	326 872.1	11.7	0.0	0.0	0.0	303 030.6	3 382.6	14 890.5	0.0	0.0	0.0	5 556.8
+ Rail	6 532.4	11.7	0.0	0.0	0.0	1 932.4	0.0	28.0	0.0	0.0	0.0	4 560.4
+ Road	306 246.9	0.0	0.0	0.0	0.0	289 575.6	1 687.3	14 854.8	0.0	0.0	0.0	129.3
+ Domestic aviation	6 138.7	0.0	0.0	0.0	0.0	6 138.7	0.0	0.0	0.0	0.0	0.0	0.0
+ Domestic navigation	5 051.9	0.0	0.0	0.0	0.0	5 047.5	0.0	4.4	0.0	0.0	0.0	0.0
+ Pipeline transport	1 806.7	0.0	0.0	0.0	0.0	8.8	1 638.3	0.0	0.0	0.0	0.0</	

European Union (28 countries)	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	1 885 707	1 817 609	1 757 302	1 738 117	1 717 327	1 655 884	1 680 744	1 692 907	1 719 424	
Solid fossil fuels	311 956	276 947	281 411	288 106	281 777	262 198	258 427	236 842	228 386	
Peat & peat products	2 794	3 347	3 155	3 008	2 062	2 345	2 343	2 333	2 174	
Oil shale & oil sands	3 132	3 843	3 984	3 653	4 355	4 158	3 771	4 201	4 202	
Crude oil & other hydrocarbons	718 802	639 325	626 396	623 995	596 445	592 793	622 352	618 796	631 501	
Petroleum products	14 661	23 575	18 812	-5 423	4 894	4 616	-16 142	-4 612	-4 977	
Natural gas	445 128	447 604	403 822	393 755	387 120	343 451	357 905	382 741	398 411	
Nuclear heat	257 828	234 583	232 008	224 539	223 008	223 611	220 092	213 521	210 724	
Renewable energies	122 177	176 703	175 492	193 033	204 406	208 438	217 385	222 860	233 476	
Non-renewable wastes	7 886	11 035	11 608	11 850	12 177	12 942	13 371	14 643	14 648	
<b>Primary production</b>	906 299	838 118	806 572	797 857	792 777	776 491	772 015	758 613	758 209	
Solid fossil fuels	188 630	157 150	159 972	160 661	148 327	142 152	138 896	127 171	124 466	
Peat	3 329	3 157	2 773	1 513	3 306	2 815	1 769	1 560	1 604	
Oil shale and oil sands	3 091	3 855	3 982	3 996	4 360	4 253	4 216	3 629	4 147	
Crude oil & other hydrocarbons	134 390	98 540	85 465	76 570	71 623	70 497	75 301	74 529	73 390	
Natural gas	190 516	159 290	142 506	133 104	131 259	118 048	107 335	107 319	103 091	
Nuclear heat	257 828	234 583	232 008	224 539	223 008	223 611	220 092	213 521	210 724	
Renewable energies	120 632	170 559	168 412	185 837	199 017	202 516	211 425	216 678	226 586	
Non-renewable wastes	7 883	10 984	11 454	11 637	11 878	12 599	12 982	14 207	14 201	
<b>Net imports</b>	985 926	957 605	953 163	933 398	915 669	887 386	905 802	910 718	947 777	
Solid fossil fuels	125 204	109 758	120 944	126 168	126 885	122 970	110 305	98 200	100 353	
Crude oil	563 177	518 992	511 715	526 113	494 864	493 318	524 598	516 987	531 850	
Gas/Diesel Oil (w/o bio)	25 005	27 690	25 564	14 866	23 591	21 057	25 422	28 315	24 121	
Motor Gasoline (w/o bio)	-39 102	-45 220	-42 111	-50 789	-47 862	-48 065	-55 766	-55 620	-57 937	
Naphtha	12 255	13 667	8 971	12 662	11 731	14 003	12 651	11 897	15 801	
LPG	6 564	9 003	9 410	7 881	10 988	13 542	13 527	13 526	12 899	
All other oil & petroleum products	35 729	37 209	39 077	28 082	35 289	30 956	20 497	19 865	16 561	
Natural gas	254 071	279 718	271 353	259 249	253 306	231 874	246 976	269 432	296 108	
<b>Transformation input</b>	1 663 916	1 584 548	1 554 845	1 550 795	1 503 395	1 489 602	1 519 977	1 510 020	1 528 381	
Electricity & heat generation	748 384	724 700	710 364	708 297	691 760	671 201	673 006	665 363	665 619	
Refinery intake	736 724	668 278	656 147	653 122	621 937	620 672	647 727	646 245	657 900	
Coke ovens	45 966	42 191	41 732	40 117	39 162	38 676	37 584	36 507	36 454	
Blast furnaces	39 347	34 338	33 331	32 935	33 503	34 206	33 499	32 560	33 150	
<b>Transformation output</b>	1 228 939	1 182 591	1 157 539	1 155 811	1 124 118	1 119 698	1 152 905	1 155 646	1 175 554	
Electricity & heat generation	347 912	353 839	343 980	344 540	342 139	331 111	335 812	340 027	343 071	
Refinery output	728 859	662 065	650 017	646 620	616 462	615 708	642 396	641 110	651 677	
Coke ovens	43 175	38 537	38 293	37 015	36 097	35 662	34 952	34 030	33 926	
Blast furnaces	15 160	13 237	12 922	12 790	13 103	13 527	13 350	12 778	12 762	
<b>Energy sector</b>	89 876	86 907	85 184	82 733	79 224	77 019	79 582	78 624	79 194	
<b>Distribution losses</b>	29 023	28 149	26 574	26 786	26 398	25 247	26 326	26 197	25 892	
<b>Available for final consumption</b>	1 239 167	1 208 099	1 153 604	1 143 318	1 144 477	1 096 457	1 119 487	1 141 661	1 165 852	
Solid fossil fuels	32 116	34 303	34 034	27 873	29 966	25 997	27 350	28 814	27 416	
Manufactured gases	6 931	5 801	5 594	5 603	5 564	5 828	5 766	5 563	5 354	
Peat & peat products	435	321	459	737	24	296	409	426	356	
Oil shale & oil sands	192	72	-31	-105	293	58	45	448	64	
Gas/Diesel Oil (w/o bio)	281 385	271 367	266 769	260 445	260 344	260 277	266 105	270 219	272 790	
Motor Gasoline (w/o bio)	114 091	93 975	91 732	85 765	81 656	81 763	79 757	79 954	80 238	
Naphtha	44 614	40 346	36 378	37 429	34 798	36 108	35 230	34 441	39 487	
LPG	26 577	26 643	26 340	24 754	27 233	28 833	29 413	29 518	29 848	
All other oil & petroleum products	87 743	73 173	68 699	60 788	57 838	53 920	55 981	57 536	58 573	
Natural gas	291 755	277 878	250 466	259 426	265 991	232 936	240 487	248 400	255 076	
Primary solid biofuels & charcoal	53 735	65 253	60 401	64 387	66 281	63 177	66 660	68 252	69 369	
Liquid biofuels	3 292	13 192	13 412	14 059	12 966	14 095	13 759	13 480	15 091	
All other renewable energies	2 695	5 738	7 342	8 171	9 221	9 731	11 406	12 619	17 985	
Non-renewable wastes	1 482	2 647	2 776	2 739	3 173	3 362	3 414	3 762	3 849	
Electricity	239 394	244 206	240 841	241 658	239 645	234 278	237 518	240 150	241 792	
Heat	52 731	53 182	48 392	49 588	49 484	45 799	46 189	48 078	48 565	
<b>Statistical difference</b>	-117	3 314	3 969	-2 943	1 479	-3 102	-1 019	-269	3 607	
<b>Final non-energy consumption</b>	116 090	106 172	104 065	99 179	96 058	97 931	95 647	95 581	102 208	
<b>Final energy consumption</b>	1 123 194	1 098 612	1 045 570	1 047 081	1 046 940	1 001 628	1 024 858	1 046 348	1 060 037	
Industry	305 402	267 927	265 388	260 169	257 899	254 669	254 519	257 056	261 037	
Transport	325 291	320 442	317 940	307 979	304 488	308 811	313 270	320 825	326 872	
Other sectors	492 502	510 244	462 242	478 933	484 553	438 148	457 069	468 467	472 128	
Services	144 040	157 281	145 453	149 064	150 558	141 319	148 722	151 105	154 041	
Households	310 093	321 912	286 155	299 297	303 071	266 740	278 601	287 630	287 975	

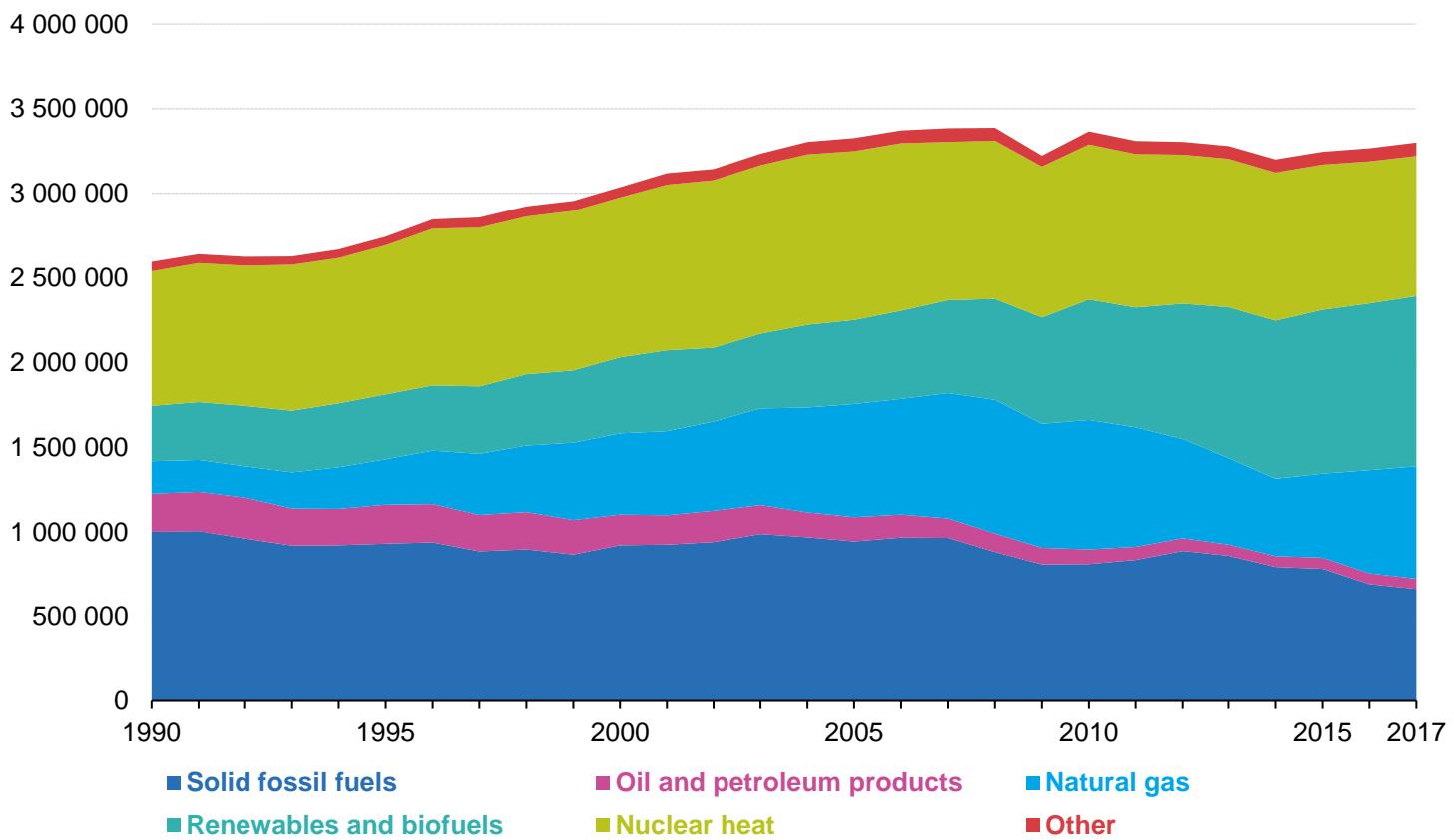
Source: Eurostat (nrg\_bal\_c)

# European Union (28 countries)

## Gross available energy by fuel, ktoe



## Gross electricity production by fuel, GWh

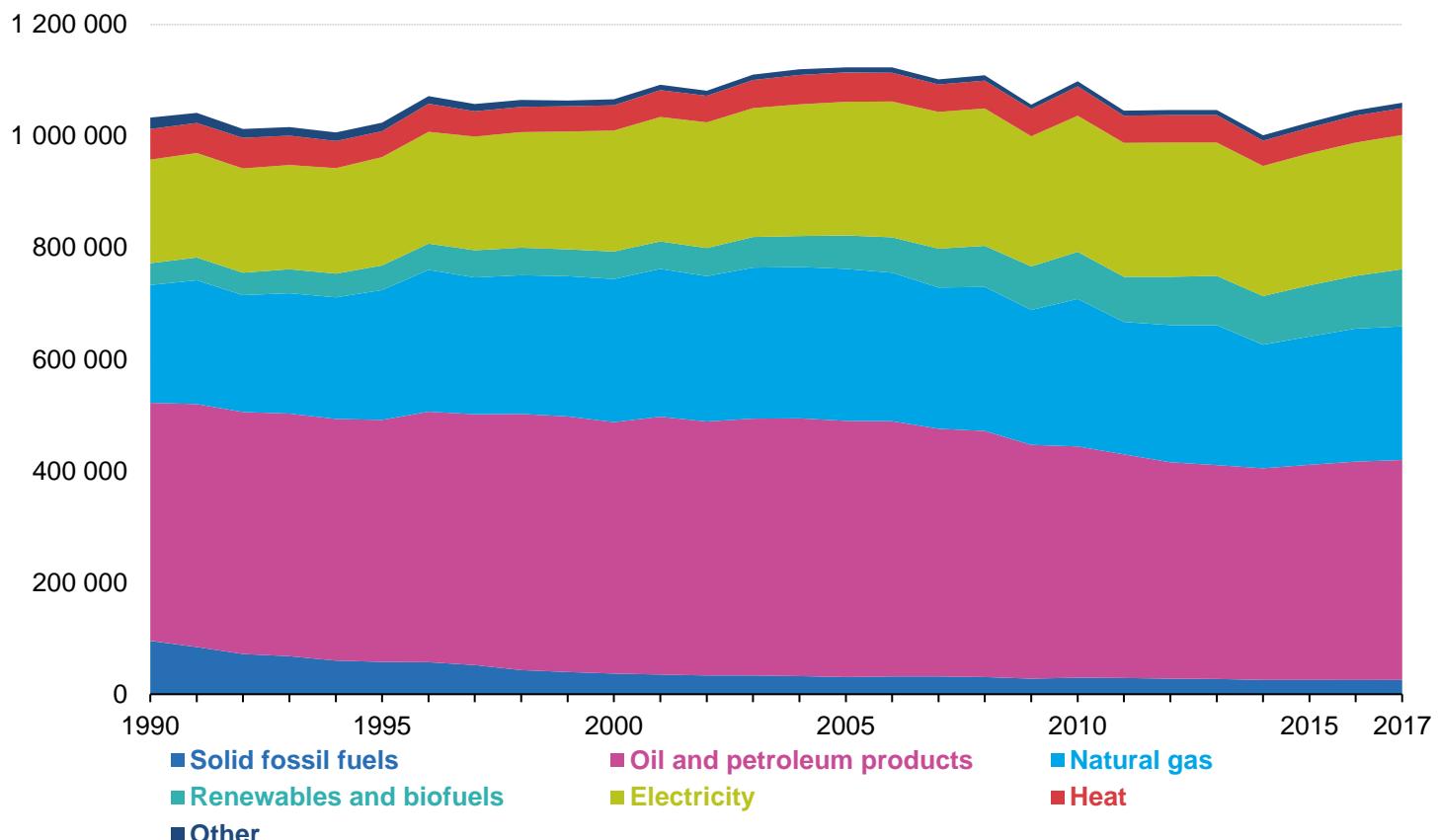


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

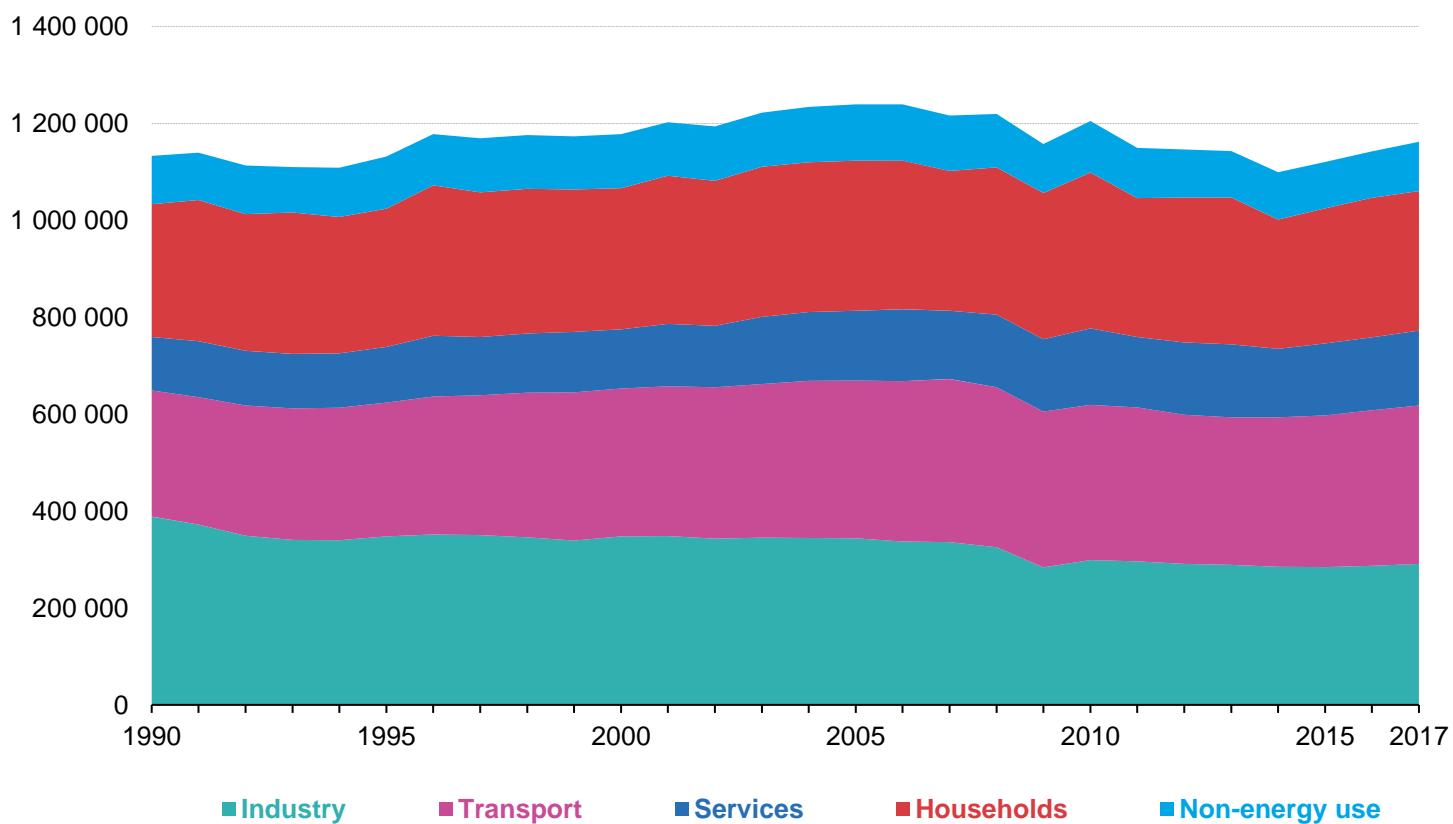
# European Union (28 countries)

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

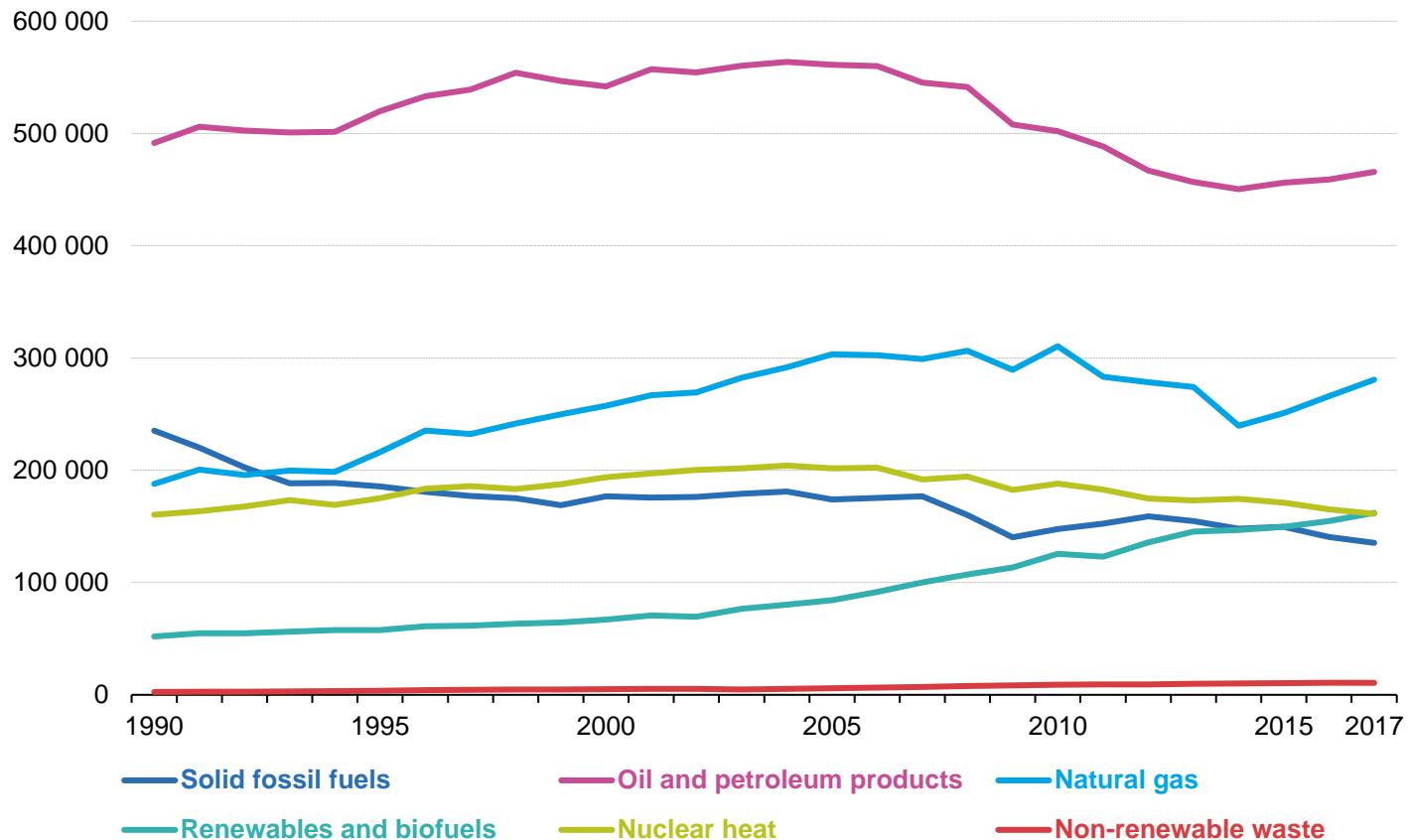
Euro Area (19 countries) ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	443 768.6	46 517.2	0.0	1 489.8	4 147.1	11 441.2	47 794.5	160 641.8	10 436.2	161 300.9	0.0	0.0
+ Recovered & recycled products	1 100.2	10.2	0.0	0.0	0.0	1 090.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Imports	1 195 034.3	91 271.9	0.0	24.9	0.0	756 127.6	313 839.6	10 179.1	321.4	0.0	2.0	23 267.8
- Exports	423 073.0	2 456.5	0.0	14.9	0.0	308 642.8	80 562.3	8 877.4	36.1	0.0	3.0	22 480.1
+ Change in stock	6 314.9	38.4	0.0	526.8	54.8	5 837.2	-249.1	107.8	-1.0	0.0	0.0	0.0
= Gross available energy	<b>1 223 145.1</b>	<b>135 381.3</b>	<b>0.0</b>	<b>2 026.6</b>	<b>4 201.8</b>	<b>465 853.2</b>	<b>280 822.8</b>	<b>162 051.3</b>	<b>10 720.5</b>	<b>161 300.9</b>	<b>-1.0</b>	<b>787.7</b>
- International maritime bunkers	38 760.0	0.0	0.0	0.0	0.0	38 751.9	8.1	0.0	0.0	0.0	0.0	0.0
= Gross inland consumption	<b>1 184 385.1</b>	<b>135 381.3</b>	<b>0.0</b>	<b>2 026.6</b>	<b>4 201.8</b>	<b>427 101.4</b>	<b>280 814.7</b>	<b>162 051.3</b>	<b>10 720.5</b>	<b>161 300.9</b>	<b>-1.0</b>	<b>787.7</b>
- International aviation	35 649.5	0.0	0.0	0.0	0.0	35 649.5	0.0	0.0	0.0	0.0	0.0	0.0
= Total energy supply	<b>1 148 735.6</b>	<b>135 381.3</b>	<b>0.0</b>	<b>2 026.6</b>	<b>4 201.8</b>	<b>391 451.8</b>	<b>280 814.7</b>	<b>162 051.3</b>	<b>10 720.5</b>	<b>161 300.9</b>	<b>-1.0</b>	<b>787.7</b>
<b>Transformation input</b>	<b>1 128 500.3</b>	<b>144 515.9</b>	<b>5 984.0</b>	<b>1 739.3</b>	<b>4 135.6</b>	<b>607 914.2</b>	<b>88 815.1</b>	<b>102 160.2</b>	<b>8 154.3</b>	<b>161 300.9</b>	<b>741.0</b>	<b>3 039.7</b>
+ Electricity & heat generation	470 758.3	93 814.7	5 984.0	1 628.7	2 494.2	14 526.7	88 067.9	91 006.1	8 154.3	161 300.9	741.0	3 039.7
+ Coke ovens	21 811.3	21 396.1	0.0	0.0	16.3	399.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Blast furnaces	25 988.3	25 960.9	0.0	0.0	0.0	27.4	0.0	0.0	0.0	0.0	0.0	0.0
+ Gas works	185.2	0.0	0.0	0.0	184.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
+ Refineries & petrochemical industry	592 830.9	0.0	0.0	0.0	0.0	592 830.9	0.0	0.0	0.0	0.0	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ BKB & PB plants	3 319.1	3 208.5	0.0	110.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Coal liquefaction plants	1 440.2	0.0	0.0	0.0	1 440.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ For blended natural gas	263.3	0.0	0.0	0.0	0.0	129.5	0.0	133.7	0.0	0.0	0.0	0.0
+ Liquid biofuels blended	10 794.9	0.0	0.0	0.0	0.0	0.0	0.0	10 794.9	0.0	0.0	0.0	0.0
+ Charcoal production plants	225.5	0.0	0.0	0.0	0.0	0.0	0.0	225.5	0.0	0.0	0.0	0.0
+ Gas-to-liquids plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Not elsewhere specified	883.3	135.7	0.0	0.0	0.0	0.3	747.3	0.0	0.0	0.0	0.0	0.0
<b>Transformation output</b>	<b>872 242.9</b>	<b>19 655.1</b>	<b>13 857.1</b>	<b>77.0</b>	<b>0.0</b>	<b>590 114.2</b>	<b>166.1</b>	<b>10 560.8</b>	<b>0.0</b>	<b>0.0</b>	<b>35 466.0</b>	<b>202 346.6</b>
+ Electricity & heat generation	237 812.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35 466.0	202 346.6
+ Coke ovens	20 128.1	16 283.1	3 845.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Blast furnaces	9 869.9	0.0	9 869.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Gas works	142.2	0.0	142.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Refineries & petrochemical industry	588 276.3	0.0	0.0	0.0	0.0	588 276.3	0.0	0.0	0.0	0.0	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ BKB & PB plants	3 449.0	3 372.0	0.0	77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Coal liquefaction plants	955.0	0.0	0.0	0.0	0.0	955.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Blended in natural gas	166.1	0.0	0.0	0.0	0.0	0.0	166.1	0.0	0.0	0.0	0.0	0.0
+ Liquid biofuels blended	10 482.9	0.0	0.0	0.0	0.0	0.0	0.0	10 482.9	0.0	0.0	0.0	0.0
+ Charcoal production plants	77.9	0.0	0.0	0.0	0.0	0.0	0.0	77.9	0.0	0.0	0.0	0.0
+ Gas-to-liquids plants	636.8	0.0	0.0	0.0	0.0	636.8	0.0	0.0	0.0	0.0	0.0	0.0
+ Not elsewhere specified	246.1	0.0	0.0	0.0	0.0	246.1	0.0	0.0	0.0	0.0	0.0	0.0
<b>Energy sector</b>	<b>51 561.0</b>	<b>258.7</b>	<b>3 189.6</b>	<b>20.0</b>	<b>2.0</b>	<b>21 780.1</b>	<b>9 229.8</b>	<b>616.4</b>	<b>75.0</b>	<b>0.0</b>	<b>2 675.7</b>	<b>13 713.6</b>
+ Own use in electricity & heat genera	9 335.0	1.6	0.6	0.0	0.0	7.8	27.7	9.4	8.1	0.0	114.2	9 165.5
+ Coal mines	224.6	1.0	0.0	0.0	2.0	30.8	16.1	0.0	0.0	0.0	6.0	168.7
+ Oil & natural gas extraction plants	2 347.7	0.0	0.0	0.0	0.0	3.3	1 866.9	0.0	0.0	0.0	16.8	460.7
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Coke ovens	1 677.2	67.3	1 522.2	0.0	0.0	0.2	5.4	0.0	0.0	0.0	36.4	45.7
+ BKB & PB plants	894.7	187.4	0.0	20.0	0.0	0.0	0.0	17.6	0.0	0.0	245.6	424.1
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Blast furnaces	1 847.8	1.5	1 631.3	0.0	0.0	0.6	37.0	0.0	39.3	0.0	10.7	127.5
+ Petroleum refineries (oil refineries)	32 655.7	0.0	25.0	0.0	0.0	21 728.8	6 814.9	40.0	0.0	0.0	1 781.9	2 265.1
+ Nuclear industry	98.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.9
+ Coal liquefaction plants	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	17.9
+ Liquefaction & regasification plants (	87.8	0.0	0.0	0.0	0.0	0.0	87.3	0.0	0.0	0.0	0.4	0.0
+ Gasification plants for biogas	520.6	0.0	0.0	0.0	0.0	0.0	0.0	520.6	0.0	0.0	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Charcoal production plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Not elsewhere specified (energy)	1 844.8	0.0	10.4	0.0	0.0	8.7	374.5	28.8	27.6	0.0	455.3	939.5
<b>Distribution losses</b>	<b>16 849.3</b>	<b>3.3</b>	<b>698.7</b>	<b>0.8</b>	<b>0.0</b>	<b>22.0</b>	<b>1 086.0</b>	<b>66.0</b>	<b>0.2</b>	<b>0.0</b>	<b>2 951.1</b>	<b>12 021.2</b>
<b>Available for final consumption</b>	<b>824 067.9</b>	<b>10 258.5</b>	<b>3 984.8</b>	<b>343.5</b>	<b>64.2</b>	<b>351 849.7</b>	<b>181 849.9</b>	<b>69 769.5</b>	<b>2 491.0</b>	<b>0.0</b>	<b>29 097.2</b>	<b>174 359.8</b>
<b>Final non-energy consumption</b>	<b>78 914.6</b>	<b>1 129.9</b>	<b>0.0</b>	<b>0.0</b>	<b>53.4</b>	<b>67 151.7</b>	<b>10 579.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Final energy consumption</b>	<b>741 689.8</b>	<b>9 026.3</b>	<b>3 915.6</b>	<b>417.5</b>	<b>19.1</b>	<b>282 580.9</b>	<b>170 965.0</b>	<b>69 761.8</b>	<b>2 489.1</b>	<b>0.0</b>	<b>29 120.3</b>	<b>173 394.2</b>
+ Industry	187 950.1	7 863.9	3 915.6	150.6	19.1	18 426.8	63 097.1	14 779.5	2 297.9	0.0	12 612.0	64 787.7
+ Iron & steel	21 224.7	2 188.3	3 804.4	0.0	0.0	380.4	6 566.5	6.2	1.6	0.0	290.7	7 986.5
+ Chemical & petrochemical	41 091.4	1 386.2	28.9	0.0	0.0	5 927.3	15 179.2	264.3	427.5	0.0	5 668.0	12 210.0
+ Non-ferrous metals	8 175.6	211.0	0.0	0.2	0.0	237.6	2 963.0	1.5	11.0	0.0	97.5	4 653.8
+ Non-metallic minerals	24 332.1	2 589.2	32.0	1.1	18.8	4 659.5	9 613.5	1 410.4	1 664.1	0.0	173.4	4 170.1
+ Transport equipment	5 901.4	184.6	37.3	0.0	0.0	145.8	1 785.9	15.1	0.0	0.0	462.5	3 270.0
+ Machinery	14 287.0	58.0	12.6	0.1	0.0	884.6	5 034.9	67.6	5.5	0.0	417.6	7 806.1
+ Mining & quarrying	2 179.7	65.1	0.0	0.0	0.0	631.3	460.2	21.3	0.0	0.0	50.7	951.0
+ Food, beverages & tobacco	22 087.5	641.7	0.0	0.6	0.3	1 413.8	10 585.8	880.3	0.1	0.0	1 053.6	7 511.5
+ Paper, pulp & printing	23 785.1	492.6	0.0	146.9	0.0	448.8	5 896.0	8 051.4	120.8	0.0	2 003.1	6 625.5
+ Wood & wood products	6 123.7	0.1	0.0	1.2	0.0	117.4	534.1	3 378.4	32.6	0.0	438.6	1 621.3
+ Construction	5 413.0	6.5	0.0	0.0	0.0	2 828.8	1 161.6	81.5	1.3	0.0	19.0	1 314.3
+ Textile & leather	3 127.0	4.6	0.0	0.0	0.0	161.7	1 565.2	14.7	0.6	0.0	108.4	1 271.7
+ Not elsewhere specified (industry)	10 035.3	35.9	0.4	0.4	0.0	589.7	1 751.0	400.0	32.9	0.0	1 828.9	5 396.0
+ Transport	228 204.4	0.3	0.0	0.0	0.0	210 823.9	2 589.2	10 578.4	0.0	0.0	0.0	4 212.6
+ Rail	4 173.0	0.3	0.0	0.0	0.0	869.2	0.0	21.6	0.0	0.0	0.0	3 281.8
+ Road	213 052.9	0.0	0.0	0.0	0.0	200 899.7	1 507.9	10 548.9	0.0	0.0	0.0	96.5
+ Domestic aviation	4 899.7	0.0	0.0	0.0	0.0	4 899.7	0.0	0.0	0.0	0.0	0.0	0.0
+ Domestic navigation	3 891.3	0.0	0.0	0.0	0.0	3 886.8	0.0	4.4	0.0	0.0	0.0	0.0
+ Pipeline transport	1 160.2	0.0	0.0	0.0	0.0	7.8	1 024.3	0.0	0.0	0.0	0.0	128.1
+ Not elsewhere specified (transport)	1 027.4	0.0	0.0	0.0	0.0	260.8	57.1	3.4	0.0	0.0	0.0	706.2
+												

Euro Area (19 countries)	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	1 339 021	1 291 610	1 248 226	1 233 630	1 221 669	1 177 628	1 195 795	1 203 642	1 223 145	
Solid fossil fuels	173 874	147 782	152 591	159 116	154 621	147 958	149 725	140 705	135 381	
Peat & peat products	2 485	2 988	2 816	2 755	1 823	2 169	2 200	2 179	2 027	
Oil shale & oil sands	3 132	3 843	3 984	3 653	4 355	4 158	3 771	4 201	4 202	
Crude oil & other hydrocarbons	537 020	473 785	461 953	459 916	445 814	443 375	468 483	467 806	476 032	
Petroleum products	24 194	28 210	26 382	6 912	10 887	7 040	-12 405	-8 816	-10 179	
Natural gas	303 284	310 488	283 298	278 324	274 160	239 614	251 102	265 999	280 823	
Nuclear heat	201 743	188 111	182 712	174 785	173 074	174 652	171 240	165 234	161 301	
Renewable energies	84 306	125 612	122 946	135 929	145 364	146 739	149 718	154 761	162 051	
Non-renewable wastes	5 803	8 921	9 150	9 344	9 774	10 108	10 270	10 761	10 720	
<b>Primary production</b>	470 535	483 161	469 021	471 635	481 345	470 499	453 125	444 302	443 769	
Solid fossil fuels	73 142	58 391	58 711	59 813	55 251	53 597	51 334	45 827	46 517	
Peat	3 116	2 918	2 553	1 372	3 119	2 680	1 658	1 431	1 490	
Oil shale and oil sands	3 091	3 855	3 982	3 996	4 360	4 253	4 216	3 629	4 147	
Crude oil & other hydrocarbons	16 909	13 452	13 322	13 380	13 628	13 919	13 628	11 339	11 441	
Natural gas	83 415	85 139	79 805	77 731	79 265	65 980	52 631	52 981	47 795	
Nuclear heat	201 743	188 111	182 712	174 785	173 074	174 652	171 240	165 234	161 301	
Renewable energies	83 316	122 393	118 887	131 352	143 081	145 535	148 389	153 362	160 642	
Non-renewable wastes	5 804	8 902	9 050	9 206	9 566	9 882	10 028	10 497	10 436	
<b>Net imports</b>	872 329	800 623	781 503	755 689	733 865	709 603	743 981	745 919	771 961	
Solid fossil fuels	100 865	89 550	93 345	96 445	94 661	93 712	94 929	91 301	88 815	
Crude oil	500 155	442 083	425 055	430 570	410 110	406 021	436 571	435 875	445 741	
Gas/Diesel Oil (w/o bio)	26 179	23 126	20 895	11 618	17 714	13 693	14 907	13 104	9 828	
Motor Gasoline (w/o bio)	-31 061	-36 317	-31 679	-37 978	-36 006	-36 778	-42 133	-42 219	-43 284	
Naphtha	13 915	14 659	10 040	13 497	11 734	13 691	12 544	11 956	15 256	
LPG	4 246	6 836	6 912	6 488	8 833	10 859	10 793	10 328	9 677	
All other oil & petroleum products	34 673	36 239	38 958	27 434	30 141	26 293	16 610	14 628	10 268	
Natural gas	219 183	219 504	211 210	199 956	192 355	178 772	196 587	208 549	233 277	
<b>Transformation input</b>	1 206 700	1 151 543	1 126 502	1 123 016	1 090 493	1 082 957	1 111 901	1 110 476	1 128 500	
Electricity & heat generation	518 308	505 609	493 497	491 944	482 184	470 142	473 359	470 534	470 758	
Refinery intake	555 814	499 712	488 447	484 766	465 606	464 595	488 120	488 805	498 293	
Coke ovens	26 512	24 315	24 525	23 757	22 221	21 738	21 432	22 028	21 811	
Blast furnaces	28 800	26 627	26 239	25 729	25 590	25 901	25 236	25 302	25 988	
<b>Transformation output</b>	900 639	865 744	846 066	845 185	823 324	820 660	848 708	854 128	872 243	
Electricity & heat generation	236 934	242 913	236 559	236 823	236 524	228 846	232 091	235 928	237 813	
Refinery output	550 329	495 782	484 581	481 051	461 943	461 794	484 276	485 169	493 548	
Coke ovens	24 906	21 873	21 930	21 533	20 298	19 796	19 705	20 340	20 128	
Blast furnaces	11 048	10 169	10 020	9 796	9 829	10 139	10 009	9 846	9 870	
<b>Energy sector</b>	56 032	56 168	55 303	53 662	51 506	49 851	51 631	51 554	51 561	
<b>Distribution losses</b>	16 894	17 040	16 294	16 610	17 017	16 216	16 932	17 077	16 849	
<b>Available for final consumption</b>	887 665	859 815	821 813	814 348	817 279	781 690	795 576	806 969	824 068	
Solid fossil fuels	12 906	13 286	14 444	11 115	10 806	9 874	10 437	11 633	10 258	
Manufactured gases	4 483	4 251	4 159	4 128	4 116	4 333	4 338	4 228	3 985	
Peat & peat products	432	312	448	735	15	287	401	416	343	
Oil shale & oil sands	192	72	-31	-105	293	58	45	448	64	
Gas/Diesel Oil (w/o bio)	224 034	209 021	203 656	197 681	199 342	198 327	201 150	200 314	200 338	
Motor Gasoline (w/o bio)	77 224	62 773	62 047	57 639	55 197	55 494	54 225	53 798	54 513	
Naphtha	38 324	35 589	32 153	33 380	30 709	31 876	30 816	30 662	34 582	
LPG	17 313	17 917	17 604	16 985	19 299	20 459	20 618	20 348	20 638	
All other oil & petroleum products	63 928	53 669	51 215	44 952	43 074	38 384	40 000	42 026	41 778	
Natural gas	203 281	195 055	177 111	182 912	189 682	165 057	170 769	176 041	181 850	
Primary solid biofuels & charcoal	36 395	43 360	38 605	41 883	43 081	40 930	43 322	44 260	45 278	
Liquid biofuels	3 012	10 291	10 283	10 949	9 765	10 496	10 346	10 068	10 817	
All other renewable energies	2 168	4 824	5 232	5 900	6 700	7 175	7 779	8 398	13 675	
Non-renewable wastes	924	1 921	2 000	2 000	2 324	2 352	2 397	2 547	2 491	
Electricity	171 940	176 634	174 411	174 978	173 474	169 167	171 490	173 170	174 360	
Heat	31 108	30 839	28 475	29 217	29 404	27 421	27 443	28 612	29 097	
<b>Statistical difference</b>	1 862	-273	1 944	-1 988	1 191	-1 345	-302	-1 059	3 464	
<b>Final non-energy consumption</b>	88 232	82 999	81 484	78 310	75 259	76 503	73 949	74 241	78 915	
<b>Final energy consumption</b>	797 571	777 089	738 385	738 026	740 829	706 532	721 928	733 787	741 690	
Industry	219 641	195 085	193 088	189 100	186 918	184 610	183 862	186 482	187 950	
Transport	238 862	230 995	228 923	220 426	218 984	221 360	223 169	226 543	228 204	
Other sectors	339 068	351 010	316 375	328 500	334 927	300 562	314 897	320 763	325 535	
Services	104 445	115 253	105 992	109 439	111 087	103 642	109 312	109 850	113 618	
Households	208 021	214 185	190 006	198 839	203 296	176 971	186 024	191 999	193 043	

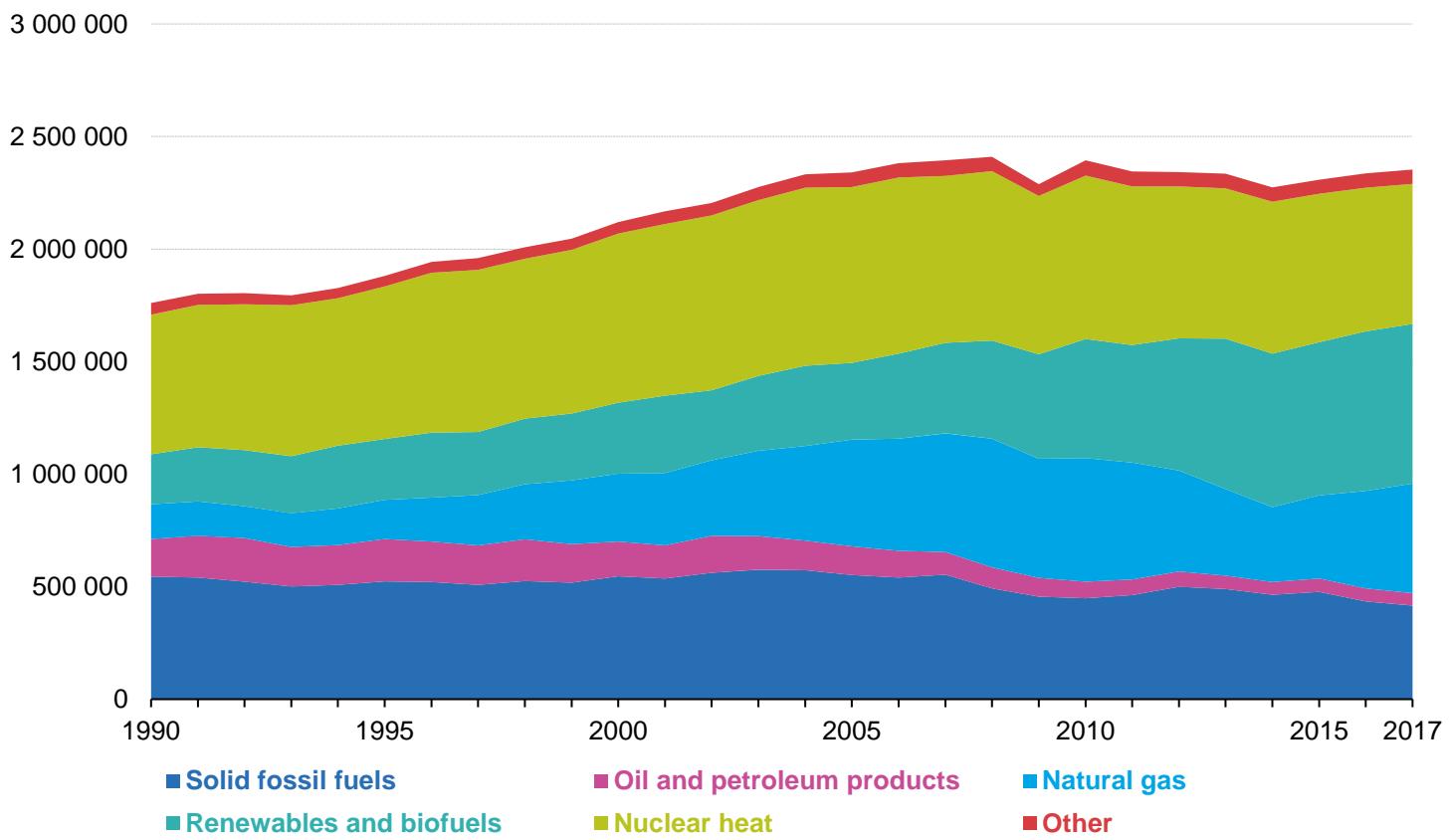
Source: Eurostat (nrg\_bal\_c)

# Euro Area (19 countries)

## Gross available energy by fuel, ktoe



## Gross electricity production by fuel, GWh

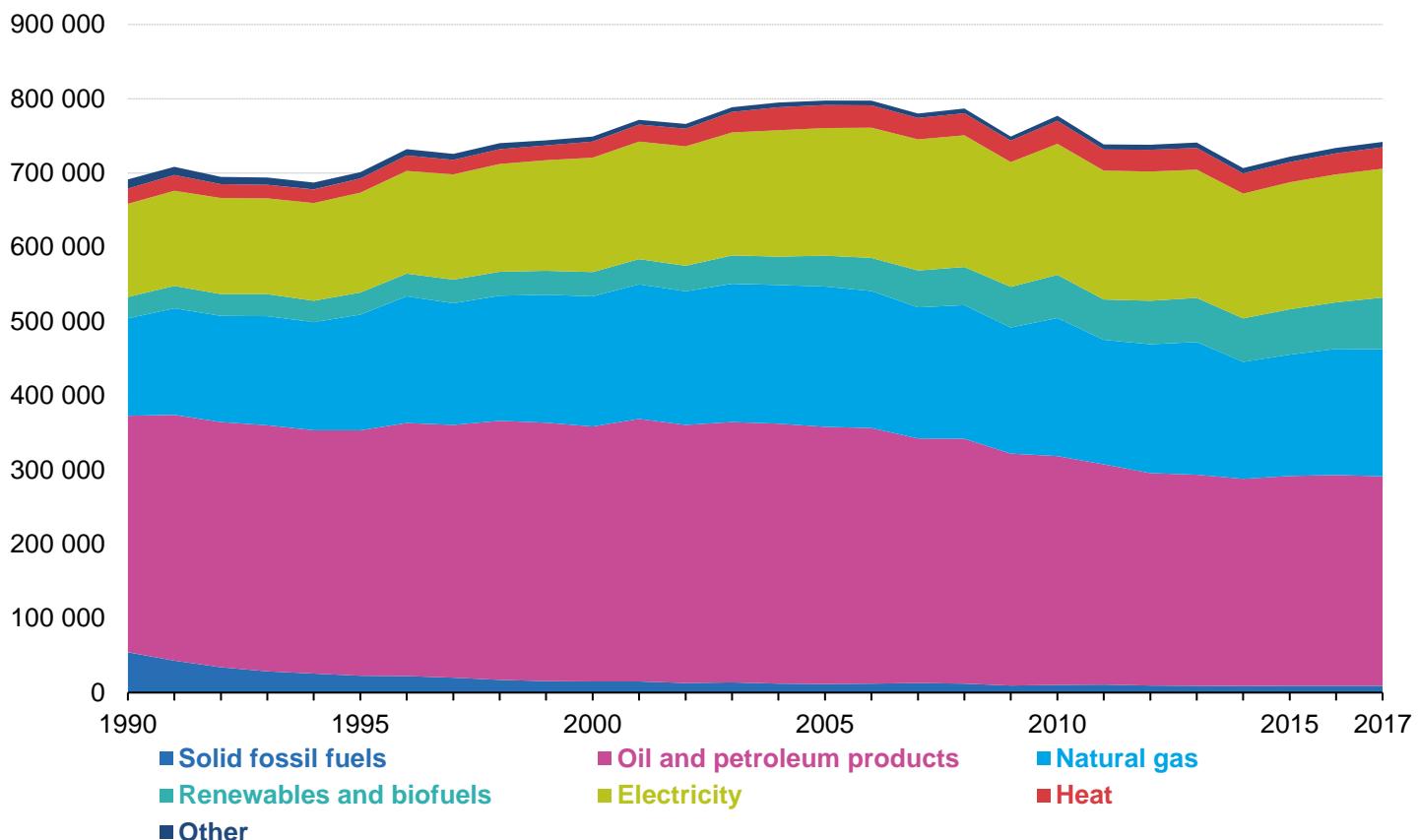


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

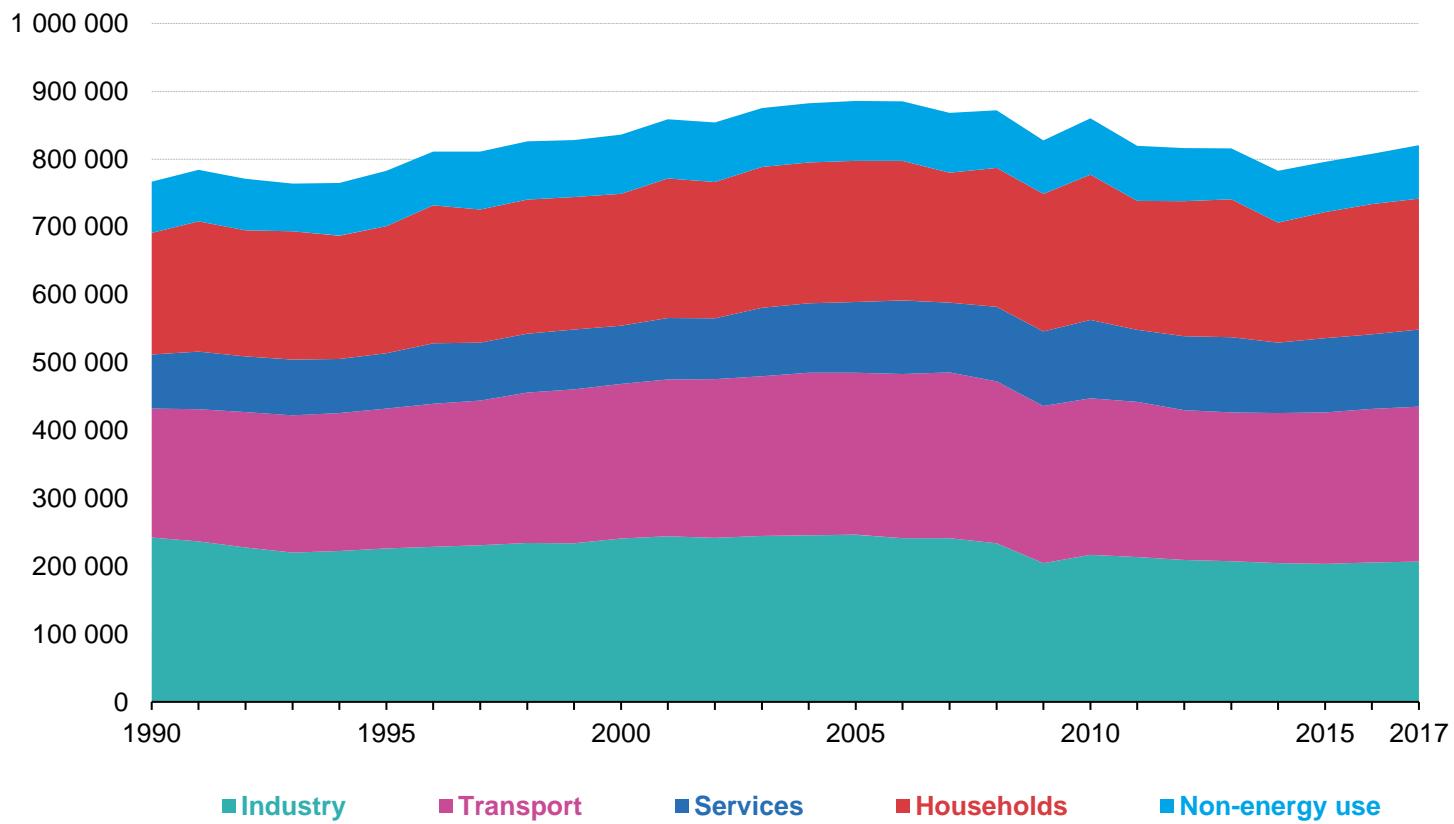
# Euro Area (19 countries)

## Final energy consumption by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Final consumption by sector, ktoe



Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

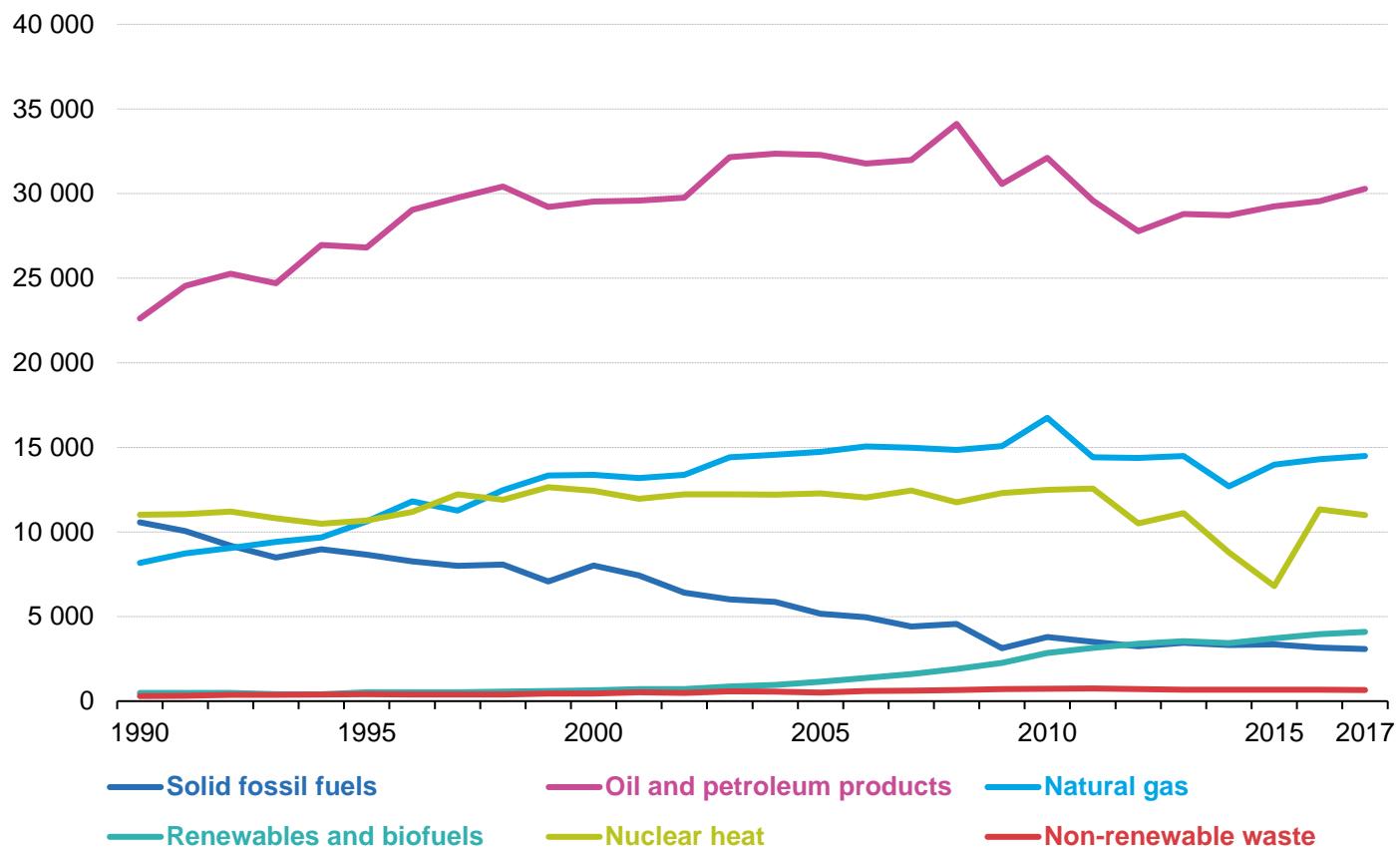
Belgium ktoe		Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		14 863.8	0.0	Z	0.0	0.0	0.0	0.0	3 208.1	653.7	11 002.0	Z	Z
+ Recovered & recycled products		37.0	10.2	Z	0.0	0.0	26.8	Z	0.0	Z	Z	Z	Z
+ Imports		83 715.3	3 010.6	0.0	0.0	0.0	63 459.2	14 898.3	1 126.3	0.9	Z	0.0	1 220.1
- Exports		35 729.0	71.0	0.0	0.0	0.0	34 067.7	644.8	243.2	0.0	Z	0.0	702.3
+ Change in stock		1 229.2	130.8	0.0	0.0	0.0	865.8	232.6	0.0	0.0	Z	Z	Z
<b>= Gross available energy</b>		<b>64 116.2</b>	<b>3 080.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>30 284.1</b>	<b>14 486.0</b>	<b>4 091.1</b>	<b>654.6</b>	<b>11 002.0</b>	<b>0.0</b>	<b>517.8</b>
- International maritime bunkers		7 486.7	0.0	0.0	0.0	0.0	7 486.7	0.0	0.0	Z	Z	Z	Z
<b>= Gross inland consumption</b>		<b>56 629.5</b>	<b>3 080.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>22 797.4</b>	<b>14 486.0</b>	<b>4 091.1</b>	<b>654.6</b>	<b>11 002.0</b>	<b>0.0</b>	<b>517.8</b>
- International aviation		1 581.3	Z	Z	Z	1 581.3	Z	0.0	Z	Z	Z	Z	Z
<b>= Total energy supply</b>		<b>55 048.2</b>	<b>3 080.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>21 216.0</b>	<b>14 486.0</b>	<b>4 091.1</b>	<b>654.6</b>	<b>11 002.0</b>	<b>0.0</b>	<b>517.8</b>
<b>Transformation input</b>		<b>65 133.0</b>	<b>3 234.3</b>	<b>472.3</b>	<b>0.0</b>	<b>0.0</b>	<b>43 270.2</b>	<b>3 603.8</b>	<b>2 638.9</b>	<b>514.4</b>	<b>11 002.0</b>	<b>269.2</b>	<b>127.7</b>
+ Electricity & heat generation		18 193.4	8.2	472.3	0.0	0.0	35.3	3 603.8	2 160.4	514.4	11 002.0	269.2	127.7
+ Coke ovens		1 092.8	1 092.8	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		2 133.4	2 133.4	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		43 234.9	Z	Z	Z	Z	43 234.9	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		478.5	Z	Z	Z	Z	Z	Z	478.5	Z	Z	Z	Z
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>		<b>53 503.9</b>	<b>873.7</b>	<b>881.3</b>	<b>0.0</b>	<b>Z</b>	<b>43 024.1</b>	<b>0.0</b>	<b>478.5</b>	<b>Z</b>	<b>Z</b>	<b>799.3</b>	<b>7 446.9</b>
+ Electricity & heat generation		8 246.3	Z	Z	Z	Z	Z	Z	Z	Z	Z	799.3	7 446.9
+ Coke ovens		1 090.0	873.7	216.3	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		665.0	0.0	665.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		43 024.1	Z	Z	Z	Z	43 024.1	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended		478.5	Z	Z	Z	Z	Z	Z	478.5	Z	Z	Z	Z
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>2 512.9</b>	<b>0.0</b>	<b>257.9</b>	<b>0.0</b>	<b>0.0</b>	<b>1 291.2</b>	<b>399.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>107.6</b>	<b>457.2</b>
+ Own use in electricity & heat genera		323.3	0.0	0.0	0.0	0.0	1.2	7.1	0.0	0.0	Z	0.3	314.7
+ Coal mines		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Oil & natural gas extraction plants		0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		90.4	0.0	90.2	0.0	0.0	0.2	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces		168.1	0.0	167.7	0.0	0.0	0.4	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		1 922.0	0.0	0.0	0.0	0.0	1 289.4	391.9	0.0	0.0	Z	104.5	136.2
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.4	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.4	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	2.4	6.3
<b>Distribution losses</b>		<b>353.2</b>	<b>3.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>24.0</b>	<b>0.6</b>	<b>0.0</b>	<b>Z</b>	<b>6.6</b>	<b>319.0</b>	
<b>Available for final consumption</b>		<b>40 552.9</b>	<b>717.0</b>	<b>151.1</b>	<b>0.0</b>	<b>0.0</b>	<b>19 678.7</b>	<b>10 459.1</b>	<b>1 930.1</b>	<b>140.2</b>	<b>0.0</b>	<b>415.9</b>	<b>7 060.8</b>
<b>Final non-energy consumption</b>		<b>7 453.6</b>	<b>254.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6 138.6</b>	<b>1 060.9</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>		<b>32 888.0</b>	<b>484.9</b>	<b>171.6</b>	<b>0.0</b>	<b>0.0</b>	<b>13 268.6</b>	<b>9 432.9</b>	<b>1 930.1</b>	<b>140.2</b>	<b>Z</b>	<b>415.7</b>	<b>7 043.9</b>
+ Industry		10 494.6	397.4	171.6	0.0	0.0	1 412.3	3 999.4	702.3	108.3	Z	350.1	3 353.3
+ Iron & steel		1 080.7	13.4	171.6	0.0	0.0	12.5	498.3	0.0	1.6	Z	0.0	383.4
+ Chemical & petrochemical		4 020.5	7.1	0.0	0.0	0.0	1 176.0	1 326.0	7.8	2.9	Z	280.6	1 219.9
+ Non-ferrous metals		311.7	0.0	0.0	0.0	0.0	1.0	132.7	0.0	0.0	Z	0.0	178.0
+ Non-metallic minerals		1 331.3	308.1	0.0	0.0	0.0	41.5	527.8	123.3	89.6	Z	0.0	241.1
+ Transport equipment		130.4	0.0	0.0	0.0	0.0	4.4	46.3	0.0	0.0	Z	0.1	79.6
+ Machinery		291.6	0.0	0.0	0.0	0.0	16.0	121.5	1.9	0.0	Z	0.0	152.1
+ Mining & quarrying		49.2	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	Z	0.0	38.9
+ Food, beverages & tobacco		1 522.7	27.6	0.0	0.0	0.0	7.5	883.0	80.4	0.0	Z	40.4	483.9
+ Paper, pulp & printing		740.3	23.3	0.0	0.0	0.0	9.3	141.0	302.6	13.5	Z	28.5	222.1
+ Wood & wood products		236.4	0.0	0.0	0.0	0.0	0.0	23.7	181.3	0.0	Z	0.0	31.4
+ Construction		206.8	0.0	0.0	0.0	0.0	73.1	63.1	0.0	0.0	Z	0.0	70.7
+ Textile & leather		181.3	0.0	0.0	0.0	0.0	0.7	89.8	0.3	0.6	Z	0.5	89.3
+ Not elsewhere specified (industry)		388.5	17.9	0.0	0.0	0.0	70.4	135.8	1.5	0.0	Z	0.0	162.8
+ Transport		8 856.4	0.0	0.0	0.0	0.0	8 197.4	37.5	478.5	0.0	Z	142.9	
+ Rail		156.1	0.0	0.0	0.0	0.0	21.7	Z	0.0	0.0	Z	134.4	
+ Road		8 515.3	Z	Z	Z	Z	8 024.8	8.7	478.5	0.0	Z	3.4	
+ Domestic aviation		2.5	Z	Z	Z	Z	2.5	Z	0.0	Z	Z	Z	
+ Domestic navigation		146.8	0.0	0.0	0.0	0.0	146.8	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport		34.0	Z	Z	Z	Z	0.0	28.9	0.0	Z	Z	Z	5.1
+ Not elsewhere specified (transport)		1.7	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	Z	0.0	0.0
+ Other		13 537.0	87.5	0.0	0.0	0.0	3 658.8	5 396.0	749.3	32.0	Z	65.6	3 547.8
+ Commercial & public services		4 595.8	0.0	0.0	0.0	0.0	773.4	1 822.4	53.9	31.9	Z	60.2	1 853.9
+ Households		8 108.5	78.7	0.0	0.0	0.0	2 512.7	3 310.2	649.9				

Belgium	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	66 679	68 769	64 173	60 836	62 901	59 139	59 576	63 520	64 116	
Solid fossil fuels	5 174	3 787	3 505	3 236	3 457	3 325	3 356	3 167	3 081	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	32 510	31 207	28 860	30 320	28 062	32 701	32 073	31 284	33 306	
Petroleum products	-224	899	730	-2 556	736	-3 992	-2 822	-1 739	-3 022	
Natural gas	14 741	16 746	14 402	14 378	14 485	12 698	13 975	14 300	14 486	
Nuclear heat	12 277	12 492	12 567	10 499	11 111	8 781	6 801	11 340	11 002	
Renewable energies	1 156	2 852	3 141	3 393	3 537	3 434	3 707	3 955	4 091	
Non-renewable wastes	502	738	750	712	684	679	681	681	655	
<b>Primary production</b>	13 654	15 517	16 065	14 086	14 794	12 441	10 512	15 122	14 864	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	12 277	12 492	12 567	10 499	11 111	8 781	6 801	11 340	11 002	
Renewable energies	875	2 287	2 747	2 875	2 999	2 982	3 032	3 105	3 208	
Non-renewable wastes	502	738	750	712	684	679	678	677	654	
<b>Net imports</b>	53 415	53 634	48 362	46 140	48 524	47 194	49 974	47 921	47 986	
Solid fossil fuels	5 243	3 694	3 534	3 051	3 251	3 388	3 254	2 997	2 940	
Crude oil	31 994	33 430	29 916	31 706	27 729	32 407	32 316	32 133	34 381	
Gas/Diesel Oil (w/o bio)	788	811	372	-1 738	1 054	-2 021	-47	-549	-1 710	
Motor Gasoline (w/o bio)	-3 353	-3 930	-2 970	-3 694	-3 408	-3 565	-4 078	-3 884	-3 990	
Naphtha	2 898	3 059	2 789	2 934	3 158	2 932	3 310	3 387	3 129	
LPG	-185	769	955	961	1 111	1 276	1 238	948	908	
All other oil & petroleum products	390	-1 609	-1 315	-2 624	-293	-2 036	-2 382	-2 876	-3 326	
Natural gas	14 817	16 791	14 474	14 179	14 560	12 847	13 880	14 379	14 253	
<b>Transformation input</b>	67 236	68 483	65 663	64 621	62 311	62 752	60 754	62 995	65 133	
Electricity & heat generation	20 218	21 269	20 311	18 334	18 378	15 543	14 313	18 432	18 193	
Refinery intake	37 519	35 636	33 419	35 307	32 516	35 941	35 653	34 037	35 785	
Coke ovens	2 362	1 815	1 803	1 728	1 588	1 365	1 134	1 112	1 093	
Blast furnaces	2 290	1 758	1 759	1 573	1 790	1 822	1 843	2 108	2 133	
<b>Transformation output</b>	53 700	54 616	52 041	53 090	50 687	52 711	52 001	51 273	53 504	
Electricity & heat generation	8 017	9 100	8 669	8 014	8 101	7 117	6 912	8 268	8 246	
Refinery output	37 284	35 252	32 860	34 979	32 299	35 508	35 466	33 912	35 556	
Coke ovens	2 527	1 768	1 768	1 673	1 547	1 327	1 131	1 104	1 090	
Blast furnaces	807	600	643	582	595	613	592	646	665	
<b>Energy sector</b>	2 384	2 735	2 556	2 463	2 255	2 291	2 312	2 396	2 513	
<b>Distribution losses</b>	394	474	460	452	370	360	368	368	353	
<b>Available for final consumption</b>	41 575	42 721	39 324	39 000	41 223	39 736	40 875	40 932	40 553	
Solid fossil fuels	778	709	583	531	660	705	797	747	717	
Manufactured gases	496	240	239	207	191	174	152	151	151	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	11 933	12 222	10 669	10 274	10 775	10 236	10 985	10 433	10 448	
Motor Gasoline (w/o bio)	1 824	1 241	1 279	1 161	1 146	1 320	1 405	1 483	1 444	
Naphtha	4 593	4 321	3 846	4 130	4 653	4 973	4 478	4 608	4 128	
LPG	296	1 320	1 579	1 592	1 745	2 046	1 983	1 688	1 733	
All other oil & petroleum products	2 964	2 339	2 347	1 773	1 755	1 786	1 775	1 862	1 926	
Natural gas	10 590	10 842	9 612	9 992	10 659	9 146	9 939	10 312	10 459	
Primary solid biofuels & charcoal	614	1 094	1 030	1 175	1 267	1 128	1 211	1 310	1 261	
Liquid biofuels	1	400	389	374	357	422	264	445	484	
All other renewable energies	28	69	93	113	145	153	173	182	185	
Non-renewable wastes	123	137	153	141	192	177	173	171	140	
Electricity	6 908	7 168	6 888	6 979	7 113	6 947	7 026	7 043	7 061	
Heat	428	620	615	558	563	525	513	495	416	
<b>Statistical difference</b>	129	682	184	-603	-137	154	118	-61	211	
<b>Final non-energy consumption</b>	7 487	7 013	6 880	6 983	7 483	8 008	7 649	7 535	7 454	
<b>Final energy consumption</b>	33 959	35 025	32 260	32 621	33 876	31 574	33 108	33 458	32 888	
Industry	10 269	10 760	10 331	10 461	10 647	10 606	10 578	10 688	10 495	
Transport	8 681	8 971	8 820	8 544	8 393	8 519	8 919	9 007	8 856	
Other sectors	15 009	15 294	13 109	13 616	14 836	12 449	13 611	13 763	13 537	
Services	4 122	4 944	4 399	4 508	4 901	4 230	4 589	4 651	4 596	
Households	9 977	9 527	7 987	8 361	9 071	7 469	8 263	8 293	8 109	

Source: Eurostat (nrg\_bal\_c)

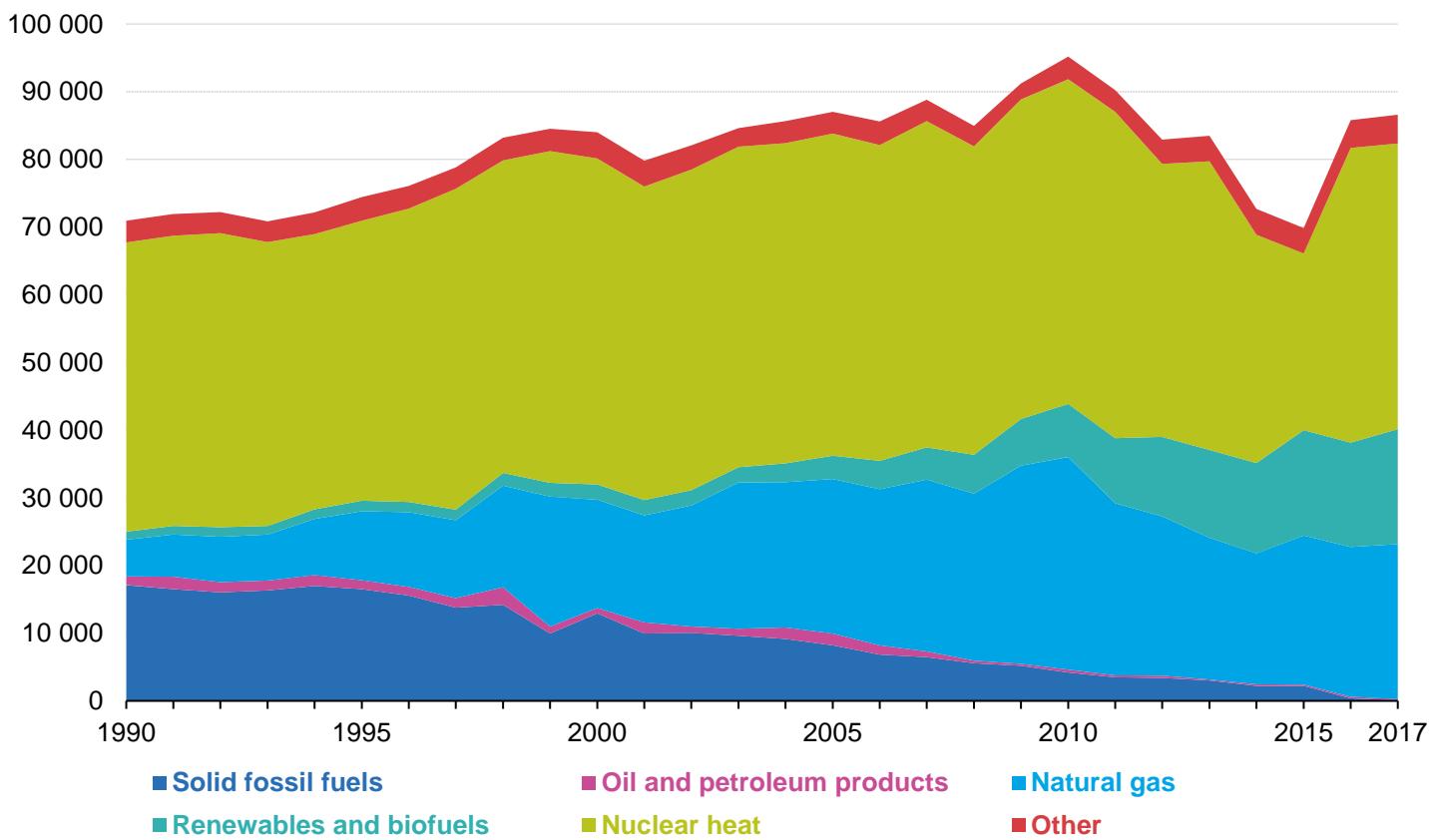
# Belgium

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

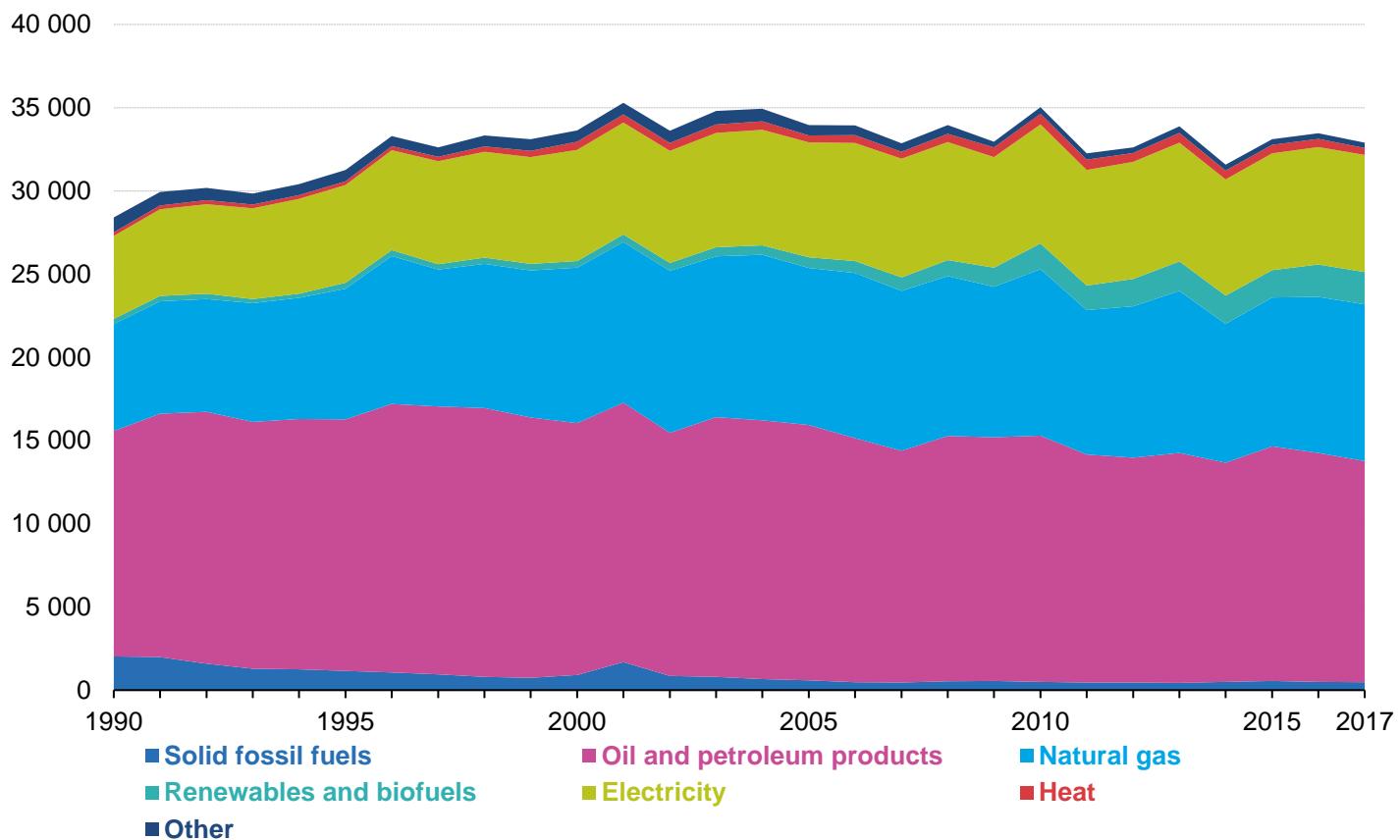


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

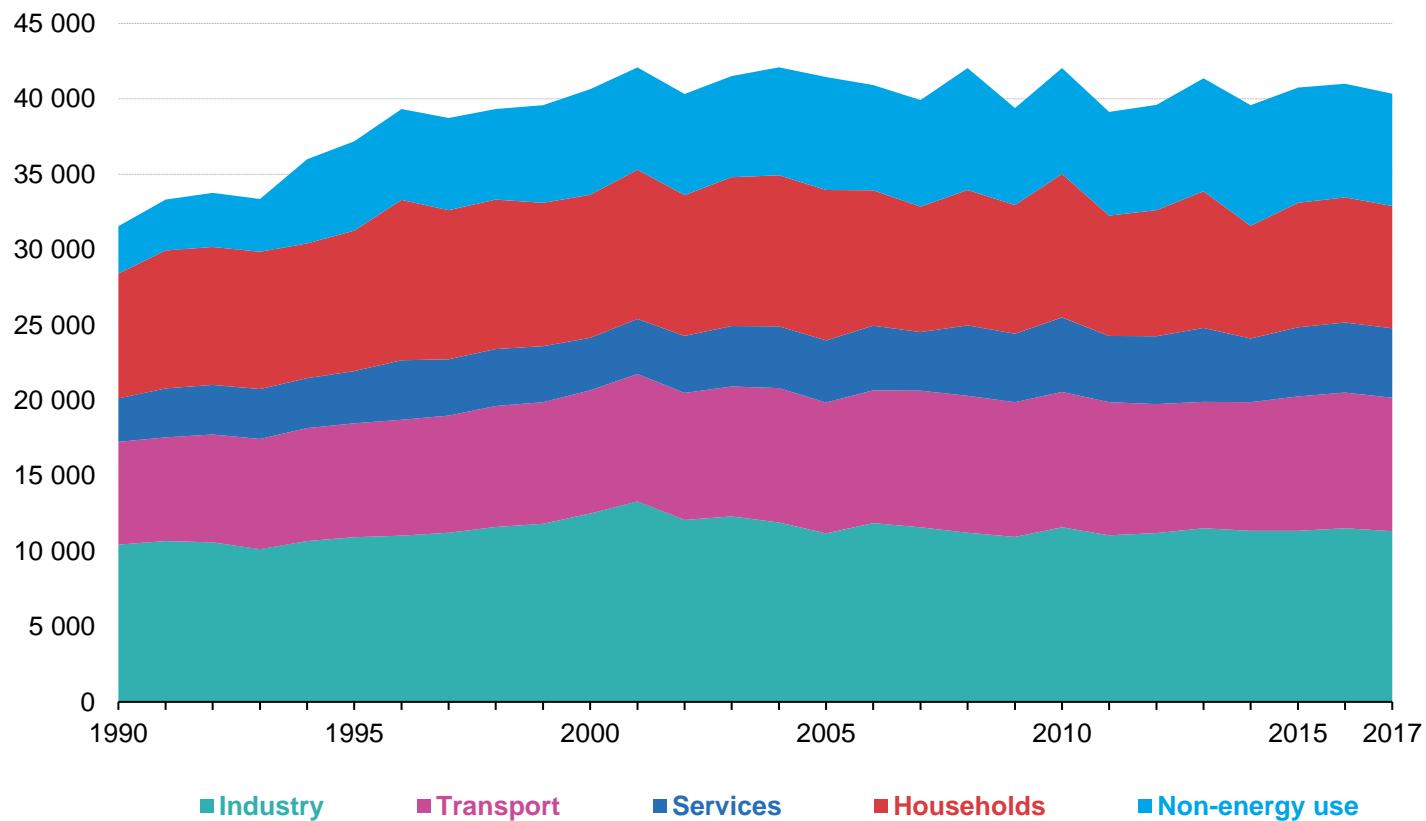
# Belgium

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Bulgaria ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		11 673.9	5 669.5	Z	0.0	0.0	24.3	66.3	1 938.1	35.1	3 940.7	Z	Z
+ Recovered & recycled products		42.8	29.2	Z	0.0	0.0	13.6	Z	0.0	Z	Z	Z	Z
+ Imports		13 312.3	582.5	0.0	0.0	0.0	9 588.0	2 723.0	100.2	0.0	Z	0.0	318.6
- Exports		5 813.3	9.3	0.0	0.0	0.0	4 880.1	26.8	107.3	0.0	Z	0.0	789.8
+ Change in stock		-237.3	-149.2	0.0	0.0	0.0	-108.9	-0.2	21.0	0.0	Z	Z	Z
= Gross available energy		<b>18 978.4</b>	<b>6 122.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4 636.9</b>	<b>2 762.2</b>	<b>1 951.9</b>	<b>35.1</b>	<b>3 940.7</b>	<b>0.0</b>	<b>-471.2</b>
- International maritime bunkers		80.1	0.0	0.0	0.0	0.0	80.1	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>18 898.3</b>	<b>6 122.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4 556.8</b>	<b>2 762.2</b>	<b>1 951.9</b>	<b>35.1</b>	<b>3 940.7</b>	<b>0.0</b>	<b>-471.2</b>
- International aviation		238.0	Z	Z	Z	Z	238.0	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>18 660.4</b>	<b>6 122.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4 318.9</b>	<b>2 762.2</b>	<b>1 951.9</b>	<b>35.1</b>	<b>3 940.7</b>	<b>0.0</b>	<b>-471.2</b>
<b>Transformation input</b>		<b>20 108.0</b>	<b>6 038.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8 228.9</b>	<b>1 054.4</b>	<b>751.0</b>	<b>0.1</b>	<b>3 940.7</b>	<b>12.7</b>	<b>81.6</b>
+ Electricity & heat generation		11 240.0	5 627.0	0.0	0.0	0.0	166.0	834.8	577.0	0.1	3 940.7	12.7	81.6
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		8 062.9	Z	Z	Z	Z	8 062.9	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		411.6	411.6	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		171.2	Z	Z	Z	Z	Z	Z	171.2	Z	Z	Z	Z
+ Charcoal production plants		2.9	Z	Z	Z	Z	Z	Z	2.9	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		219.5	0.0	0.0	0.0	0.0	0.0	219.5	0.0	0.0	Z	Z	Z
<b>Transformation output</b>		<b>13 336.6</b>	<b>359.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>7 827.8</b>	<b>0.0</b>	<b>172.7</b>	<b>Z</b>	<b>Z</b>	<b>1 054.9</b>	<b>3 922.0</b>
+ Electricity & heat generation		4 976.9	Z	Z	Z	Z	Z	Z	Z	Z	Z	1 054.9	3 922.0
+ Coke ovens		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		7 610.2	Z	Z	Z	Z	7 610.2	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		359.3	359.3	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended		171.2	Z	Z	Z	Z	Z	Z	171.2	Z	Z	Z	Z
+ Charcoal production plants		1.5	Z	Z	Z	Z	Z	Z	1.5	Z	Z	Z	Z
+ Gas-to-liquids plants		217.6	Z	Z	Z	Z	217.6	Z	Z	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	Z	Z	Z	0.0	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>1 126.3</b>	<b>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>394.2</b>	<b>34.1</b>	<b>0.7</b>	<b>0.0</b>	<b>Z</b>	<b>202.0</b>	<b>494.6</b>
+ Own use in electricity & heat genera		435.7	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.0	Z	67.9	366.4
+ Coal mines		68.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	12.5	55.1
+ Oil & natural gas extraction plants		1.0	Z	Z	Z	Z	0.0	0.6	0.0	Z	Z	0.0	0.4
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants		124.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	121.5	2.5
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		487.6	0.0	0.0	0.0	0.0	393.6	33.2	0.0	0.0	Z	0.0	60.8
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		9.9	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	Z	0.1	9.4
<b>Distribution losses</b>		<b>486.5</b>	<b>5.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.8</b>	<b>11.2</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>169.2</b>	<b>298.9</b>
<b>Available for final consumption</b>		<b>10 276.2</b>	<b>437.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 521.7</b>	<b>1 662.5</b>	<b>1 372.8</b>	<b>35.0</b>	<b>0.0</b>	<b>671.1</b>	<b>2 575.6</b>
<b>Final non-energy consumption</b>		<b>476.6</b>	<b>48.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>150.6</b>	<b>278.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>		<b>9 738.3</b>	<b>371.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 370.5</b>	<b>1 352.7</b>	<b>1 378.2</b>	<b>35.0</b>	<b>Z</b>	<b>658.6</b>	<b>2 571.7</b>
+ Industry		2 721.3	199.5	0.0	0.0	0.0	313.2	928.8	238.0	35.0	Z	198.0	808.7
+ Iron & steel		118.7	0.1	0.0	0.0	0.0	0.3	50.6	0.0	0.0	Z	0.0	67.7
+ Chemical & petrochemical		881.2	138.5	0.0	0.0	0.0	166.8	308.0	13.7	0.0	Z	154.9	99.2
+ Non-ferrous metals		162.4	1.1	0.0	0.0	0.0	11.8	39.3	0.0	0.0	Z	20.1	90.2
+ Non-metallic minerals		567.7	55.0	0.0	0.0	0.0	86.9	278.2	32.2	35.0	Z	0.0	80.3
+ Transport equipment		18.8	0.2	0.0	0.0	0.0	0.5	7.9	0.0	0.0	Z	0.0	10.2
+ Machinery		139.5	0.3	0.0	0.0	0.0	7.4	41.8	0.4	0.0	Z	0.6	89.0
+ Mining & quarrying		122.0	0.5	0.0	0.0	0.0	4.7	21.9	0.0	0.0	Z	0.0	94.9
+ Food, beverages & tobacco		227.7	0.8	0.0	0.0	0.0	10.3	89.1	9.4	0.0	Z	10.3	107.9
+ Paper, pulp & printing		220.5	1.4	0.0	0.0	0.0	0.9	41.8	138.3	0.0	Z	0.4	37.8
+ Wood & wood products		62.3	0.2	0.0	0.0	0.0	0.6	3.6	38.2	0.0	Z	0.0	19.5
+ Construction		55.9	0.1	0.0	0.0	0.0	20.1	13.2	0.1	0.0	Z	0.9	21.5
+ Textile & leather		66.6	1.4	0.0	0.0	0.0	1.7	19.6	1.8	0.0	Z	10.7	31.5
+ Not elsewhere specified (industry)		78.0	0.1	0.0	0.0	0.0	1.1	13.7	3.9	0.0	Z	0.2	59.0
+ Transport		3 325.2	0.0	0.0	0.0	0.0	2 880.5	246.0	166.2	0.0	Z	0.0	32.5
+ Rail		39.7	0.0	0.0	0.0	0.0	13.5	Z	0.0	0.0	Z	0.0	26.2
+ Road		3 092.2	Z	Z	Z	Z	2 846.4	75.0	166.2	0.0	Z	0.0	4.5
+ Domestic aviation		20.6	Z	Z	Z	Z	20.6	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport		172.7	Z	Z	Z	Z	0.0	171.0	0.0	Z	Z	Z	1.8
+ Not elsewhere specified (transport)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Other		3 691.8	172.1	0.0	0.0	0.0	176.7	177.9	974.0	0.0	Z	460.5	1 730.5
+ Commercial & public services		1 199.5	3.9	0.0	0.0	0.0	34.8	94.7	196.7	0.0	Z	115.8	753.7
+ Households		2 318.7	158.7	0.0	0.0	0.0	24.9	68.1	769.6	0.0	Z	339.8	957.7
+ Agriculture & forestry		173.2	9.5	0.0	0.0	0.0	117.0	15.1	7.8	0.0	Z	5.0	18.8
+ Fishing		0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.3
+ Not elsewhere specified (other)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>		<b>61.2</b>	<b>17.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>31.8</b>	<b>-5.4</b>	<b>0.0</b>	<b>0.0</b>	<b>12.5</b>	<b>3.9</b>
Gross electricity production		3 919.1	1 798.3	0.0	0.0	0.0	34.5	165.3	584.3	0.0	1 336.7	Z	Z
Gross heat production		1 010.9	340.0	0.0	0.0	0.0	89.5	547.4	17.3	0.1	16.6	Z	0.0

Source: Eurostat (nrg\_bal\_c)

Bulgaria	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	20 197	17 969	19 210	18 431	17 122	17 925	18 732	18 338	18 978	
Solid fossil fuels	6 916	6 938	8 094	6 915	5 947	6 357	6 607	5 699	6 123	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	6 588	6 096	5 932	6 490	6 507	6 074	6 734	6 967	7 153	
Petroleum products	-1 487	-1 990	-2 048	-2 412	-2 751	-1 978	-2 304	-2 537	-2 516	
Natural gas	2 804	2 300	2 630	2 451	2 398	2 363	2 595	2 687	2 762	
Nuclear heat	4 855	3 849	4 105	4 020	3 668	4 047	3 912	4 011	3 941	
Renewable energies	1 115	1 494	1 405	1 674	1 879	1 853	2 067	2 029	1 952	
Non-renewable wastes	58	8	8	7	8	23	30	32	35	
<b>Primary production</b>	10 646	10 409	12 174	11 652	10 610	11 269	11 991	11 227	11 674	
Solid fossil fuels	4 178	4 927	6 207	5 608	4 782	5 106	5 832	5 081	5 669	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	30	23	22	24	28	26	25	24	24	
Natural gas	384	59	351	308	234	159	85	77	66	
Nuclear heat	4 855	3 849	4 105	4 020	3 668	4 047	3 912	4 011	3 941	
Renewable energies	1 140	1 541	1 481	1 685	1 890	1 907	2 107	2 002	1 938	
Non-renewable wastes	58	8	8	7	8	23	30	32	35	
<b>Net imports</b>	9 560	7 232	7 081	6 810	6 586	6 324	6 845	7 081	7 499	
Solid fossil fuels	2 550	1 700	1 979	1 487	971	931	741	557	573	
Crude oil	6 140	5 521	5 069	5 979	5 731	5 185	6 165	6 294	6 969	
Gas/Diesel Oil (w/o bio)	-311	1	64	-305	-182	78	69	-425	-742	
Motor Gasoline (w/o bio)	-834	-931	-1 028	-1 190	-1 364	-1 177	-1 392	-1 376	-1 446	
Naphtha	-46	-333	-287	-327	-284	-262	-311	-376	-453	
LPG	357	288	280	293	343	365	418	436	425	
All other oil & petroleum products	-75	-363	-267	-458	-317	-146	-437	-100	-45	
Natural gas	2 458	2 131	2 264	2 043	2 226	2 222	2 517	2 591	2 696	
<b>Transformation input</b>	20 988	18 779	20 127	19 510	18 464	18 975	19 679	19 452	20 108	
Electricity & heat generation	12 161	12 007	13 213	12 122	10 919	11 724	11 854	11 085	11 240	
Refinery intake	6 721	6 196	6 253	6 712	6 727	6 343	7 006	7 362	7 710	
Coke ovens	719	0	0	0	0	0	0	0	0	
Blast furnaces	441	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	13 302	12 013	12 455	12 550	12 239	12 339	12 906	13 023	13 337	
Electricity & heat generation	5 059	5 429	5 763	5 451	5 031	5 377	5 435	5 044	4 977	
Refinery output	6 428	6 037	6 077	6 498	6 494	6 170	6 741	7 037	7 266	
Coke ovens	624	0	0	0	0	0	0	0	0	
Blast furnaces	181	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	1 111	1 137	1 075	1 094	996	1 032	1 134	1 089	1 126	
<b>Distribution losses</b>	580	549	538	520	480	499	490	469	486	
<b>Available for final consumption</b>	10 519	9 253	9 681	9 630	9 172	9 507	10 072	10 062	10 276	
Solid fossil fuels	657	522	499	462	420	382	436	396	437	
Manufactured gases	94	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	1 783	1 659	1 732	1 809	1 555	1 841	2 001	2 020	2 034	
Motor Gasoline (w/o bio)	571	624	564	539	443	505	521	493	505	
Naphtha	298	0	0	0	0	0	1	0	0	
LPG	484	419	402	430	446	479	517	548	530	
All other oil & petroleum products	993	464	380	413	378	389	437	333	453	
Natural gas	1 693	1 269	1 551	1 382	1 397	1 414	1 591	1 622	1 663	
Primary solid biofuels & charcoal	691	879	936	999	1 004	949	992	993	1 018	
Liquid biofuels	0	13	17	86	111	111	146	163	166	
All other renewable energies	49	94	102	119	135	127	143	193	189	
Non-renewable wastes	54	8	8	7	8	23	30	32	35	
Electricity	2 211	2 338	2 446	2 397	2 368	2 385	2 437	2 488	2 576	
Heat	939	964	1 043	986	907	902	818	782	671	
<b>Statistical difference</b>	68	120	43	47	37	113	78	49	61	
<b>Final non-energy consumption</b>	849	422	507	465	464	510	605	495	477	
<b>Final energy consumption</b>	9 602	8 710	9 130	9 118	8 671	8 884	9 390	9 518	9 738	
Industry	3 650	2 561	2 702	2 582	2 586	2 620	2 713	2 641	2 721	
Transport	2 717	2 695	2 760	2 914	2 620	2 916	3 212	3 267	3 325	
Other sectors	3 235	3 455	3 669	3 622	3 465	3 347	3 465	3 609	3 692	
Services	841	1 027	1 090	1 070	1 030	992	1 086	1 172	1 200	
Households	2 090	2 243	2 374	2 353	2 241	2 165	2 193	2 252	2 319	

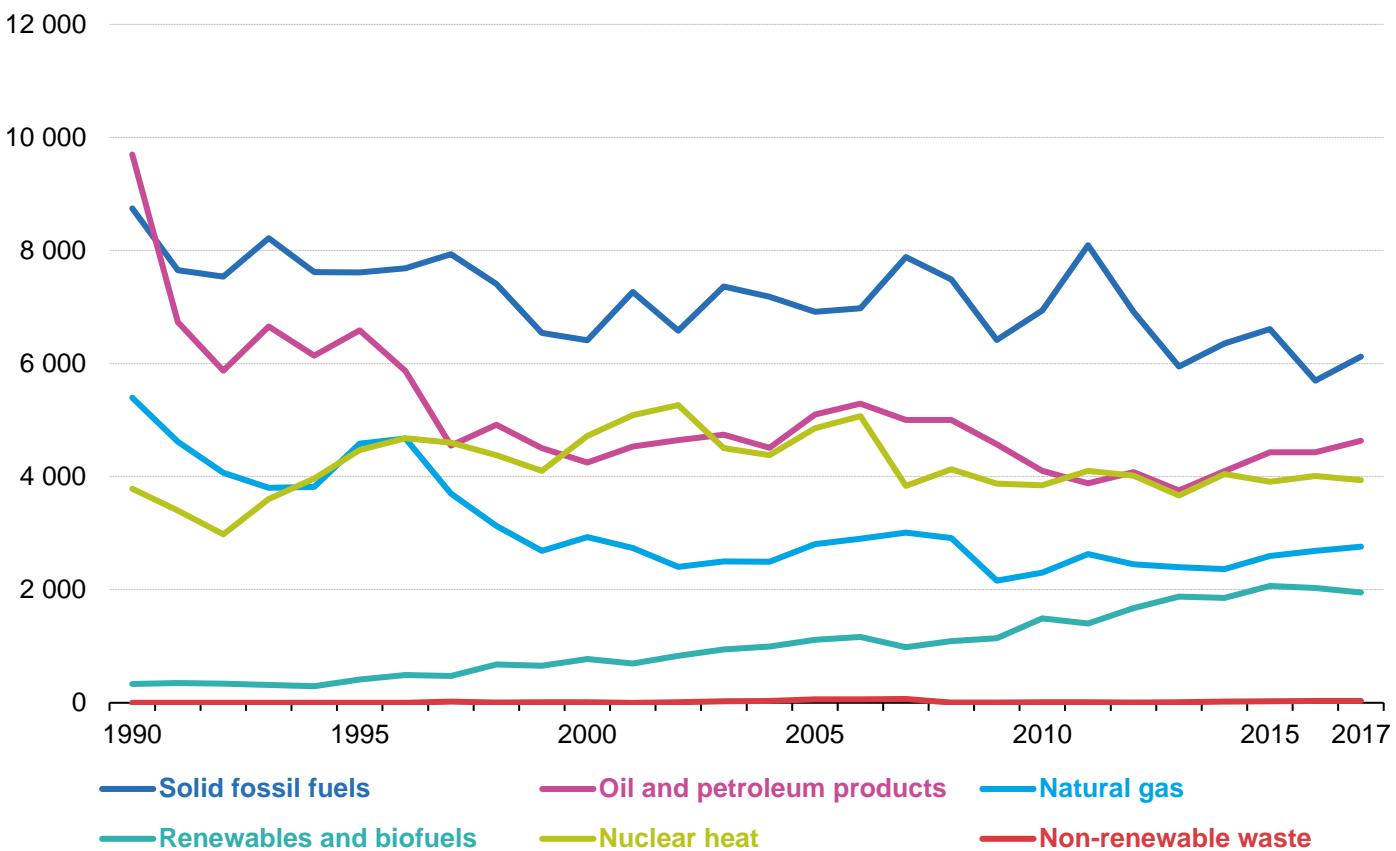
Source: Eurostat (nrg\_bal\_c)

eurostat

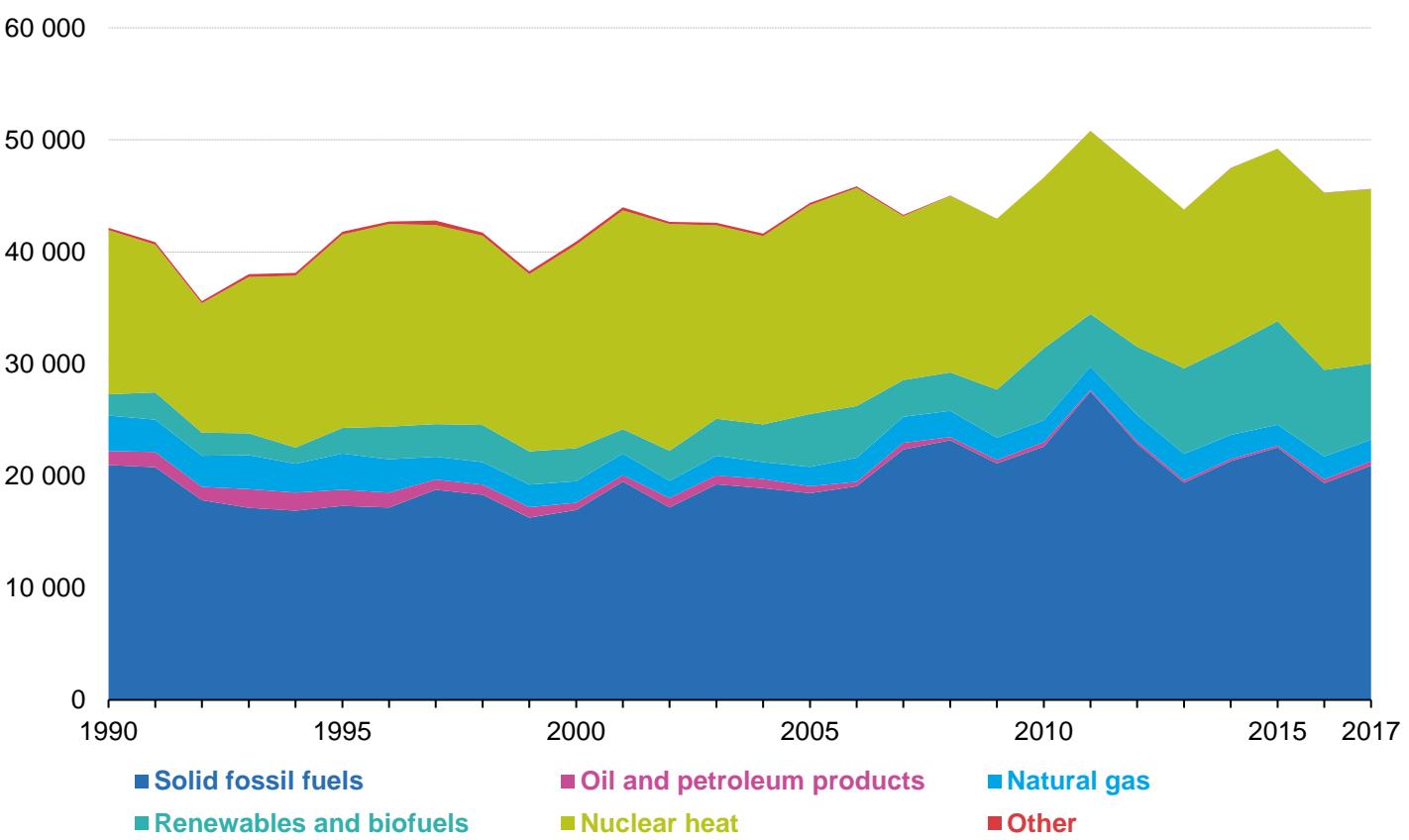
Energy balance sheets — 2017 data

# Bulgaria

## Gross available energy by fuel, ktoe



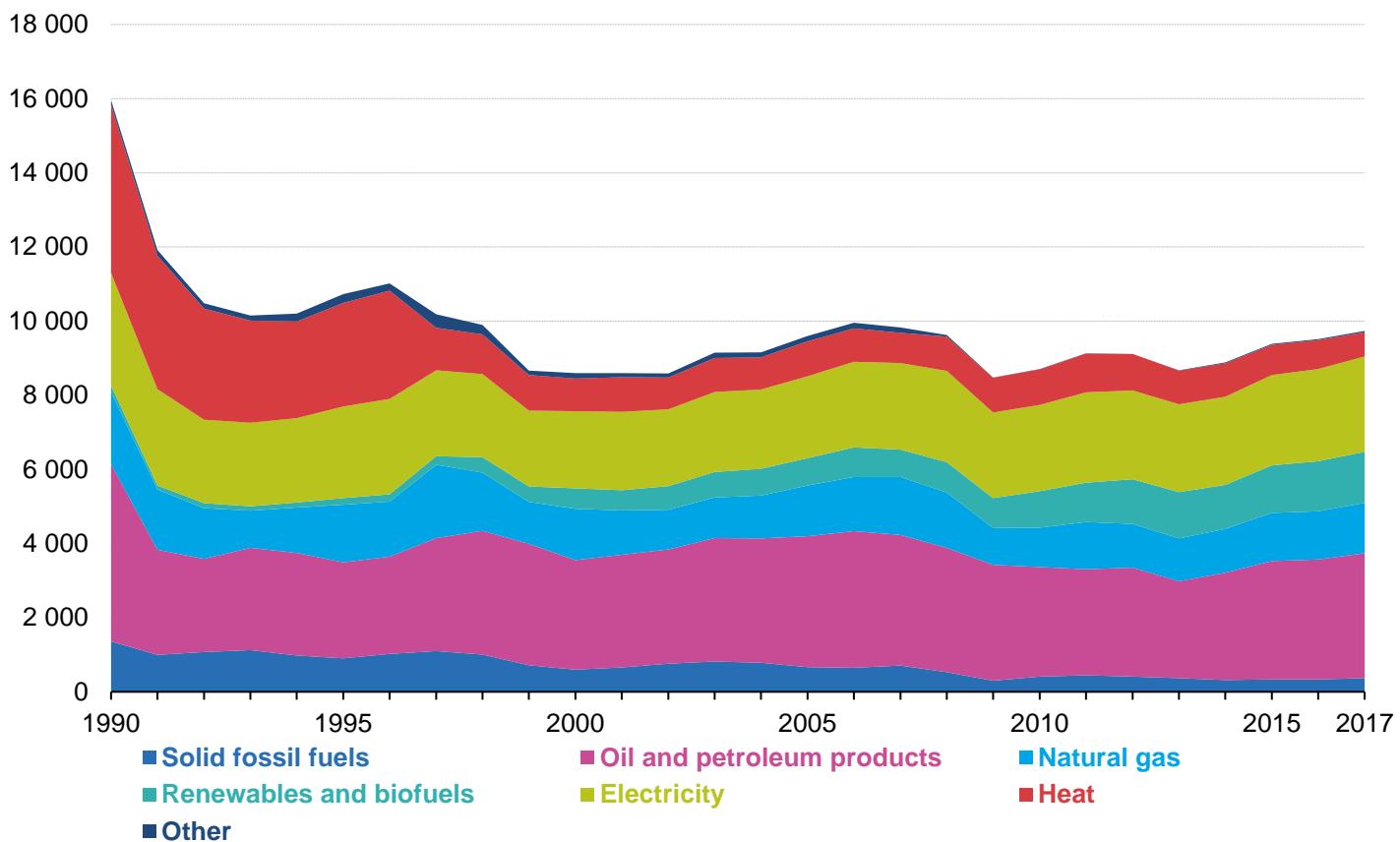
## Gross electricity production by fuel, GWh



Note: Please refer to page 23 for related methodological definitions.

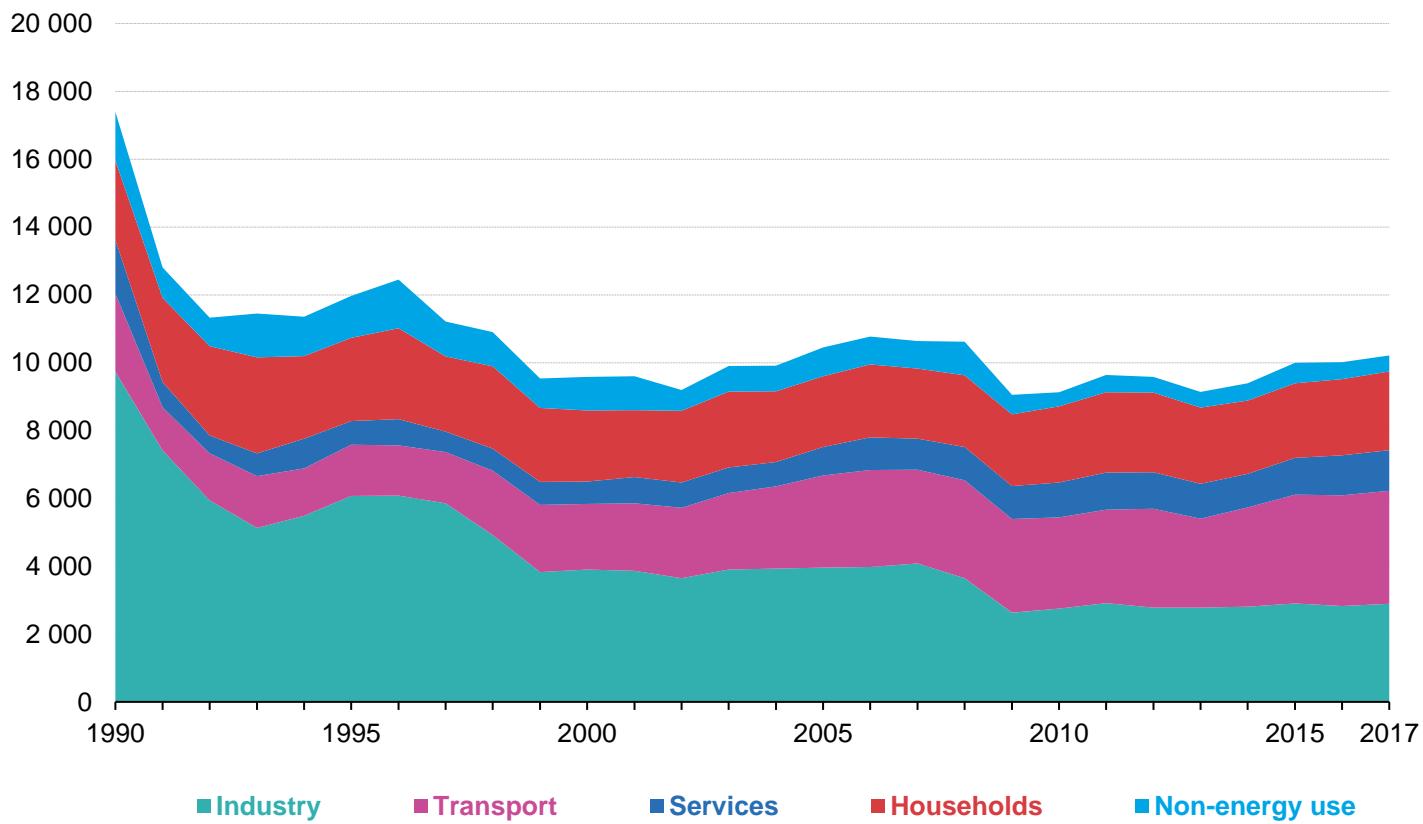
# Bulgaria

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Czechia		Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017												
+ Primary production	27 330.8	15 164.7	Z	0.0	0.0	208.4	188.5	4 446.7	305.7	7 016.8	Z	Z	Z
+ Recovered & recycled products	138.3	117.7	Z	0.0	0.0	20.7	Z	0.0	Z	Z	1.3	1 296.0	Z
+ Imports	23 888.4	3 013.7	0.0	0.0	0.0	11 793.0	7 334.7	449.8	0.0	Z	2.0	2 416.9	Z
- Exports	7 737.1	2 538.7	0.0	0.0	0.0	2 405.0	0.0	374.4	0.0	Z	0.0	1.3	Z
+ Change in stock	-188.7	80.2	0.0	0.0	0.0	55.4	-322.2	-2.1	0.0	Z	Z	Z	Z
= Gross available energy	<b>43 431.8</b>	<b>15 837.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9 672.4</b>	<b>7 201.0</b>	<b>4 520.0</b>	<b>305.7</b>	<b>7 016.8</b>	<b>-0.7</b>	<b>-1 121.0</b>	
- International maritime bunkers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
= Gross inland consumption	<b>43 431.8</b>	<b>15 837.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9 672.4</b>	<b>7 201.0</b>	<b>4 520.0</b>	<b>305.7</b>	<b>7 016.8</b>	<b>-0.7</b>	<b>-1 121.0</b>	
- International aviation	354.7	Z	Z	Z	Z	354.7	Z	0.0	Z	Z	Z	Z	Z
= Total energy supply	<b>43 077.1</b>	<b>15 837.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9 317.7</b>	<b>7 201.0</b>	<b>4 520.0</b>	<b>305.7</b>	<b>7 016.8</b>	<b>-0.7</b>	<b>-1 121.0</b>	
<b>Transformation input</b>	<b>34 930.4</b>	<b>15 157.3</b>	<b>649.1</b>	<b>0.0</b>	<b>0.0</b>	<b>8 582.2</b>	<b>1 395.9</b>	<b>1 927.8</b>	<b>64.5</b>	<b>7 016.8</b>	<b>4.1</b>	<b>132.8</b>	
+ Electricity & heat generation	21 805.6	10 880.8	649.1	0.0	0.0	53.2	1 395.9	1 608.4	64.5	7 016.8	4.1	132.8	
+ Coke ovens	2 365.7	2 365.7	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Blast furnaces	1 316.5	1 316.5	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Gas works	517.9	517.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	8 529.0	Z	Z	Z	Z	8 529.0	Z	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z	Z
+ BKB & PB plants	76.4	76.4	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	319.4	Z	Z	Z	Z	Z	Z	319.4	Z	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>22 632.5</b>	<b>1 952.9</b>	<b>1 324.5</b>	<b>0.0</b>	<b>Z</b>	<b>8 614.1</b>	<b>0.0</b>	<b>319.4</b>	<b>Z</b>	<b>Z</b>	<b>2 936.7</b>	<b>7 485.0</b>	
+ Electricity & heat generation	10 421.6	Z	Z	Z	Z	Z	Z	Z	Z	Z	2 936.7	7 485.0	
+ Coke ovens	2 318.5	1 881.7	436.8	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	561.4	0.0	561.4	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	326.2	0.0	326.2	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	8 614.1	Z	Z	Z	Z	8 614.1	Z	0.0	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	71.2	71.2	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Liquid biofuels blended	319.4	Z	Z	Z	Z	Z	Z	319.4	Z	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>2 273.5</b>	<b>279.6</b>	<b>346.8</b>	<b>0.0</b>	<b>0.0</b>	<b>241.7</b>	<b>95.1</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>545.9</b>	<b>764.4</b>	
+ Own use in electricity & heat genera	1 107.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	Z	491.0	616.0	
+ Coal mines	430.2	279.6	32.3	0.0	0.0	6.2	0.0	0.0	0.0	Z	18.1	94.0	
+ Oil & natural gas extraction plants	3.9	Z	Z	Z	Z	0.0	2.0	0.0	Z	Z	0.0	1.8	
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Coke ovens	268.7	0.0	221.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	36.7	10.0	
+ BKB & PB plants	0.5	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.5	
+ Gas works	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	3.7	
+ Blast furnaces	97.2	0.0	92.3	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	4.9	
+ Petroleum refineries (oil refineries)	358.2	0.0	0.0	0.0	0.0	0.0	235.6	93.1	0.0	0.0	Z	0.0	29.6
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	0.0
+ Not elsewhere specified (energy)	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	3.8	
<b>Distribution losses</b>	<b>679.8</b>	<b>21.2</b>	<b>25.6</b>	<b>0.0</b>	<b>0.0</b>	<b>91.8</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>165.1</b>	<b>376.2</b>		
<b>Available for final consumption</b>	<b>27 825.8</b>	<b>2 332.4</b>	<b>303.1</b>	<b>0.0</b>	<b>0.0</b>	<b>9 107.9</b>	<b>5 618.2</b>	<b>2 911.5</b>	<b>241.1</b>	<b>0.0</b>	<b>2 220.9</b>	<b>5 090.7</b>	
<b>Final non-energy consumption</b>	<b>2 950.0</b>	<b>343.0</b>	<b>17.5</b>	<b>0.0</b>	<b>0.0</b>	<b>2 500.7</b>	<b>88.7</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>	<b>24 406.1</b>	<b>1 749.7</b>	<b>279.4</b>	<b>0.0</b>	<b>0.0</b>	<b>6 633.3</b>	<b>5 529.4</b>	<b>2 911.5</b>	<b>241.1</b>	<b>Z</b>	<b>2 131.7</b>	<b>4 930.0</b>	
+ Industry	6 701.4	872.6	279.4	0.0	0.0	128.1	2 140.8	450.2	211.5	Z	571.5	2 047.3	
+ Iron & steel	1 021.2	306.1	246.2	0.0	0.0	0.0	191.6	0.0	0.0	Z	78.1	199.2	
+ Chemical & petrochemical	1 046.3	286.2	30.4	0.0	0.0	37.3	221.0	0.7	3.1	Z	176.6	291.0	
+ Non-ferrous metals	99.1	3.5	0.0	0.0	0.0	0.0	58.9	0.1	0.0	Z	1.2	35.4	
+ Non-metallic minerals	1 147.9	173.2	2.7	0.0	0.0	5.9	536.9	1.7	208.0	Z	10.4	209.0	
+ Transport equipment	475.0	6.3	0.0	0.0	0.0	2.1	161.8	0.2	0.0	Z	43.4	261.3	
+ Machinery	724.7	10.6	0.0	0.0	0.0	5.1	256.0	9.1	0.0	Z	70.5	373.4	
+ Mining & quarrying	89.3	0.9	0.0	0.0	0.0	1.9	52.9	0.3	0.0	Z	1.0	32.3	
+ Food, beverages & tobacco	590.0	46.5	0.0	0.0	0.0	5.0	314.4	6.4	0.0	Z	79.5	138.1	
+ Paper, pulp & printing	598.9	30.6	0.0	0.0	0.0	1.9	103.5	279.0	0.0	Z	29.4	154.6	
+ Wood & wood products	215.2	0.9	0.0	0.0	0.0	3.9	12.3	144.7	0.0	Z	8.2	45.2	
+ Construction	191.1	3.3	0.0	0.0	0.0	49.2	81.9	2.9	0.0	Z	7.0	46.9	
+ Textile & leather	129.4	2.3	0.0	0.0	0.0	1.0	53.6	0.1	0.0	Z	9.1	63.3	
+ Not elsewhere specified (industry)	373.2	2.3	0.0	0.0	0.0	14.9	95.8	5.1	0.4	Z	57.1	197.6	
+ Transport	6 616.4	1.0	0.0	0.0	0.0	6 085.6	69.9	313.8	0.0	Z	Z	146.0	
+ Rail	224.7	1.0	0.0	0.0	0.0	82.0	Z	6.2	0.0	Z	Z	135.5	
+ Road	6 315.9	Z	Z	Z	Z	5 946.7	55.8	307.7	0.0	Z	Z	5.8	
+ Domestic aviation	52.8	Z	Z	Z	Z	52.8	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation	4.1	0.0	0.0	0.0	0.0	4.1	Z	0.0	0.0	Z	Z	Z	
+ Pipeline transport	17.7	Z	Z	Z	Z	0.0	14.2	0.0	Z	Z	Z	3.5	
+ Not elsewhere specified (transport)	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	1.2	
+ Other	11 088.3	876.1	0.0	0.0	0.0	419.5	3 318.7	2 147.5	29.6	Z	1 560.2	2 736.7	
+ Commercial & public services	3 189.4	32.1	0.0	0.0	0.0	26.0	1 190.1	81.5	29.6	Z	487.1	1 342.9	
+ Households	7 187.0	837.6	0.0	0.0	0.0	45.0	2 004.5	1 926.1	0.0	Z	1 065.9	1 307.9	
+ Agriculture & forestry	641.1	6.3	0.0	0.0	0.0	337.3	65.3	139.8	0.0	Z	7.2	85.2	
+ Fishing	0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Z	0.0	0.7	
+ Not elsewhere specified (other)	69.9	0.0	0.0	0.0	0.0	11.2	58.7	0.0	0.0	Z	0.0	0.0	
<b>Statistical differences</b>	<b>469.8</b>	<b>239.7</b>	<b>6.2</b>	<b>0.0</b>	<b>0.0</b>	<b>-26.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>89.1</b>	<b>160.7</b>	
Gross electricity production	7 476.1	3 563.5	213.4	0.0	0.0	10.3	316.4	927.9	7.9	2 436.8	Z	Z	
Gross heat production	2 903.4	1 639.9	136.0	0.0	0.0	28.7	809.9	230.9	36.2	21.7	Z	0.3	

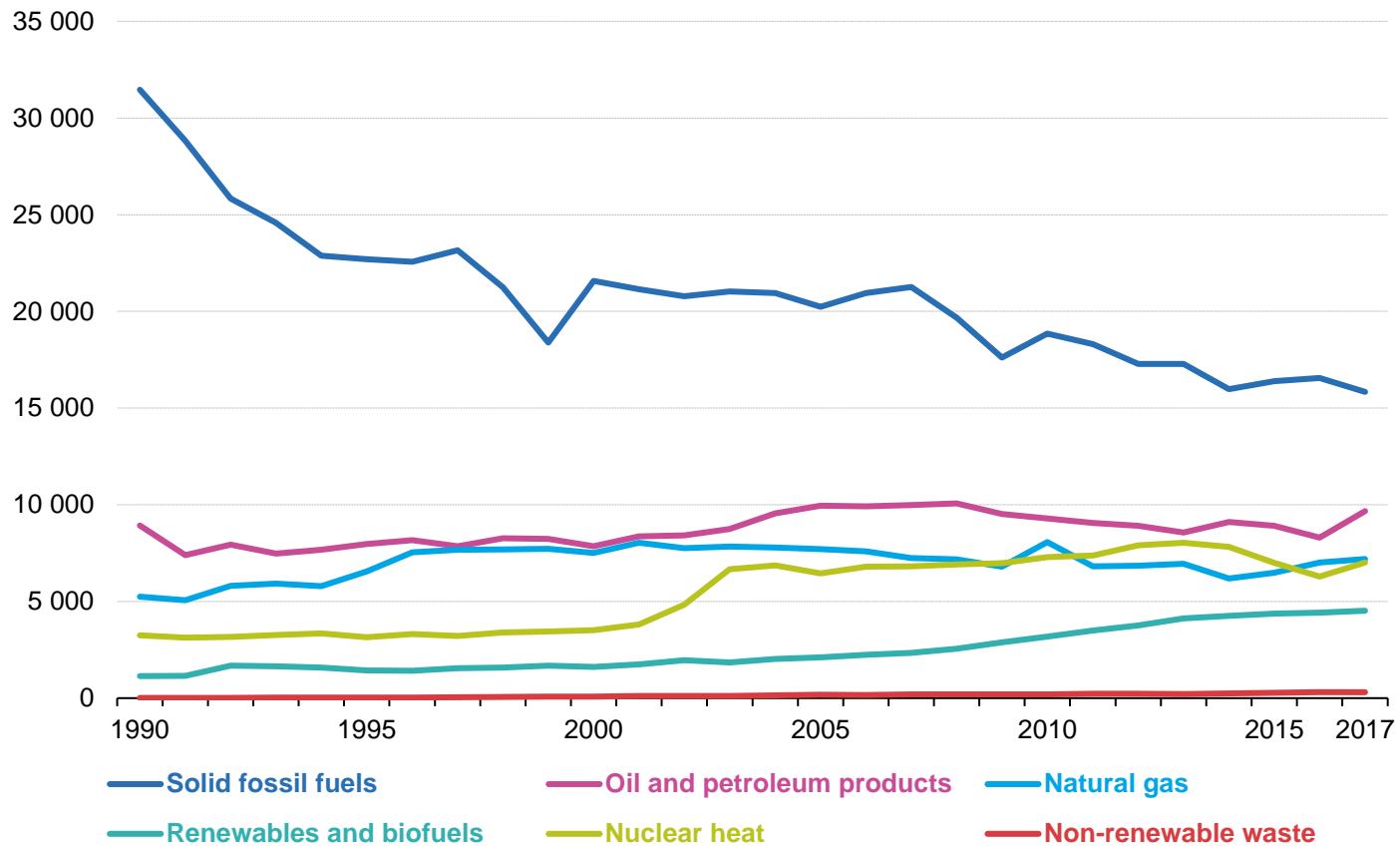
Source: Eurostat (nrg\_bal\_c)

Czechia	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	45 537	45 599	43 785	43 461	43 707	42 183	42 346	41 935	43 432	
Solid fossil fuels	20 239	18 847	18 301	17 283	17 276	15 972	16 395	16 554	15 838	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	8 121	8 124	7 362	7 512	6 880	7 700	7 412	5 587	8 103	
Petroleum products	1 831	1 173	1 692	1 405	1 686	1 404	1 494	2 720	1 569	
Natural gas	7 703	8 070	6 809	6 856	6 946	6 182	6 483	7 016	7 201	
Nuclear heat	6 457	7 293	7 369	7 901	8 036	7 821	6 994	6 282	7 017	
Renewable energies	2 103	3 180	3 499	3 752	4 119	4 256	4 370	4 416	4 520	
Non-renewable wastes	172	201	220	225	216	251	277	304	306	
<b>Primary production</b>	33 235	31 995	32 547	32 587	30 574	29 670	28 847	27 309	27 331	
Solid fossil fuels	23 570	20 730	20 896	20 142	17 674	16 848	16 795	15 973	15 165	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	593	269	334	314	256	260	206	185	208	
Natural gas	154	202	189	214	206	212	205	180	188	
Nuclear heat	6 457	7 293	7 369	7 901	8 036	7 821	6 994	6 282	7 017	
Renewable energies	2 290	3 301	3 539	3 792	4 187	4 277	4 370	4 385	4 447	
Non-renewable wastes	172	201	220	225	216	251	277	304	306	
<b>Net imports</b>	12 680	11 539	12 576	10 989	11 982	12 699	13 494	13 664	16 151	
Solid fossil fuels	-3 281	-2 875	-2 068	-2 120	-1 713	-721	-299	-219	475	
Crude oil	7 699	7 805	6 989	7 141	6 610	7 437	7 194	5 364	7 889	
Gas/Diesel Oil (w/o bio)	786	537	994	740	1 024	943	1 160	2 033	1 205	
Motor Gasoline (w/o bio)	662	350	335	175	250	8	-55	435	-16	
Naphtha	188	45	93	116	145	210	-2	-282	93	
LPG	34	-60	-23	10	51	89	38	46	86	
All other oil & petroleum products	333	298	253	331	184	199	377	484	131	
Natural gas	7 535	6 846	7 505	6 101	6 961	5 952	6 164	6 715	7 335	
<b>Transformation input</b>	37 018	37 452	36 586	36 524	35 541	35 972	34 651	32 364	34 930	
Electricity & heat generation	23 481	24 175	24 039	23 926	23 623	22 909	22 212	21 854	21 806	
Refinery intake	8 197	8 326	7 578	7 725	7 070	7 940	7 619	5 766	8 333	
Coke ovens	3 056	2 320	2 367	2 288	2 304	2 357	2 191	2 073	2 366	
Blast furnaces	1 507	1 415	1 406	1 370	1 405	1 474	1 424	1 481	1 316	
<b>Transformation output</b>	22 886	23 274	22 352	22 431	21 776	22 377	21 584	19 608	22 632	
Electricity & heat generation	10 426	10 936	10 773	10 770	10 753	10 267	10 111	10 211	10 422	
Refinery output	8 138	8 326	7 565	7 754	7 105	7 986	7 661	5 716	8 340	
Coke ovens	3 012	2 329	2 365	2 275	2 308	2 341	2 168	2 063	2 318	
Blast furnaces	641	652	637	599	621	626	600	630	561	
<b>Energy sector</b>	1 877	2 606	2 689	2 552	2 512	2 420	2 411	2 303	2 274	
<b>Distribution losses</b>	1 085	744	708	687	679	664	693	704	680	
<b>Available for final consumption</b>	28 129	27 757	25 844	25 835	26 468	25 212	25 881	25 856	27 826	
Solid fossil fuels	3 310	2 252	1 960	1 791	2 594	1 534	2 014	2 022	2 332	
Manufactured gases	464	357	357	354	331	342	329	334	303	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	3 818	3 965	3 991	3 955	3 994	4 177	4 395	4 585	4 734	
Motor Gasoline (w/o bio)	2 098	1 868	1 799	1 674	1 570	1 581	1 570	1 617	1 600	
Naphtha	928	963	886	968	910	1 091	678	185	981	
LPG	277	194	201	254	270	357	292	300	451	
All other oil & petroleum products	2 029	1 704	1 564	1 529	1 388	1 441	1 484	1 087	1 342	
Natural gas	6 184	6 640	5 456	5 484	5 460	4 901	5 120	5 384	5 618	
Primary solid biofuels & charcoal	1 603	1 932	1 959	2 051	2 151	2 196	2 251	2 278	2 275	
Liquid biofuels	3	231	300	275	280	318	296	301	314	
All other renewable energies	50	132	159	195	240	254	270	310	323	
Non-renewable wastes	132	161	164	169	164	197	222	246	241	
Electricity	4 754	4 828	4 765	4 809	4 786	4 792	4 880	4 986	5 091	
Heat	2 478	2 529	2 282	2 325	2 332	2 031	2 080	2 219	2 221	
<b>Statistical difference</b>	84	758	-178	-270	666	-145	300	400	470	
<b>Final non-energy consumption</b>	3 008	2 876	2 685	2 789	2 687	2 931	2 502	1 783	2 950	
<b>Final energy consumption</b>	25 036	24 123	23 337	23 317	23 115	22 426	23 079	23 673	24 406	
Industry	8 684	6 886	6 767	6 717	6 415	6 318	6 463	6 396	6 701	
Transport	5 780	5 916	5 936	5 789	5 739	5 949	6 195	6 417	6 616	
Other sectors	10 572	11 321	10 634	10 811	10 961	10 160	10 421	10 860	11 088	
Services	3 106	3 252	3 137	3 044	3 014	2 928	2 984	3 099	3 189	
Households	6 667	7 442	6 864	7 112	7 260	6 544	6 757	7 076	7 187	

Source: Eurostat (nrg\_bal\_c)

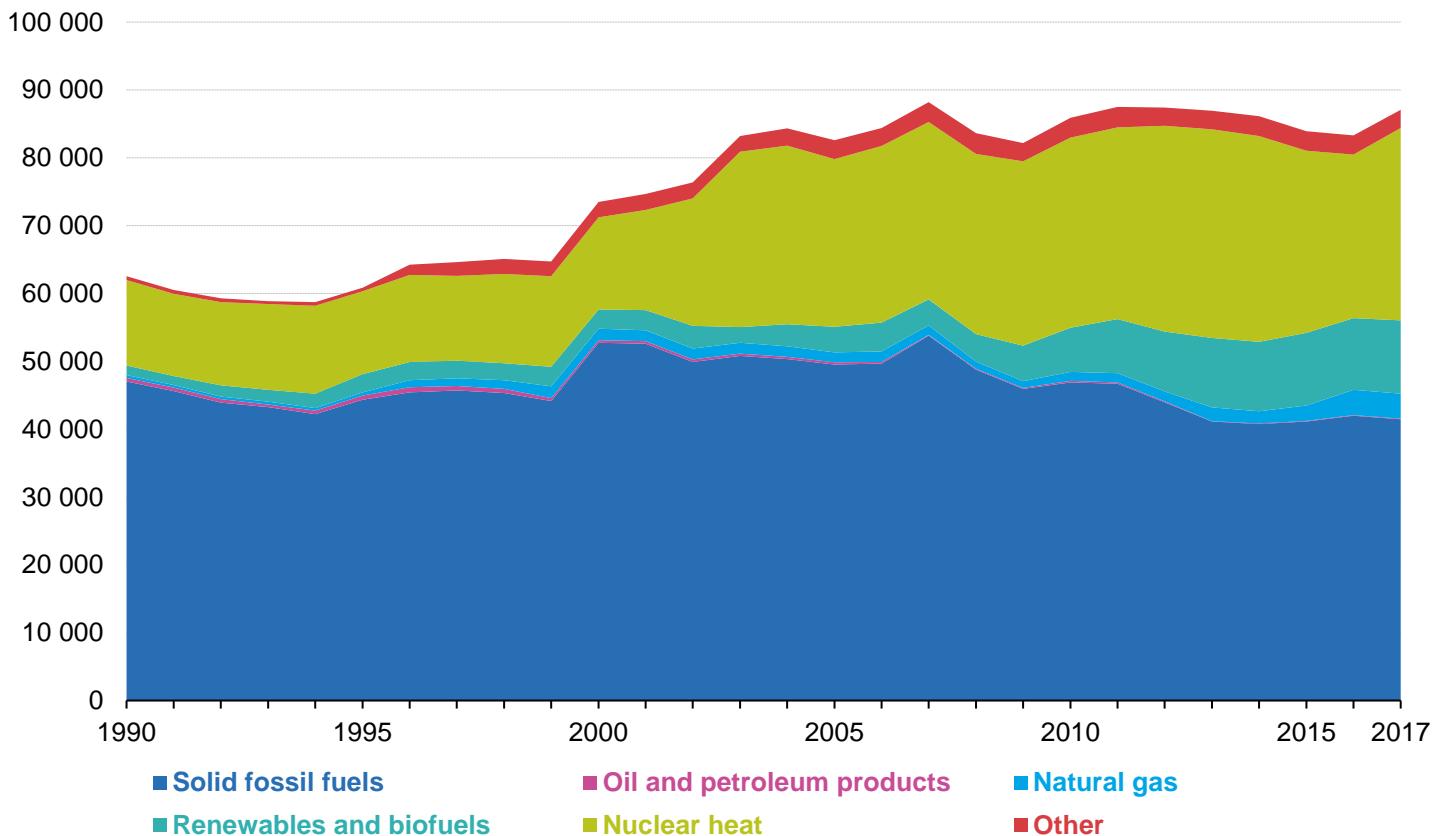
# Czechia

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

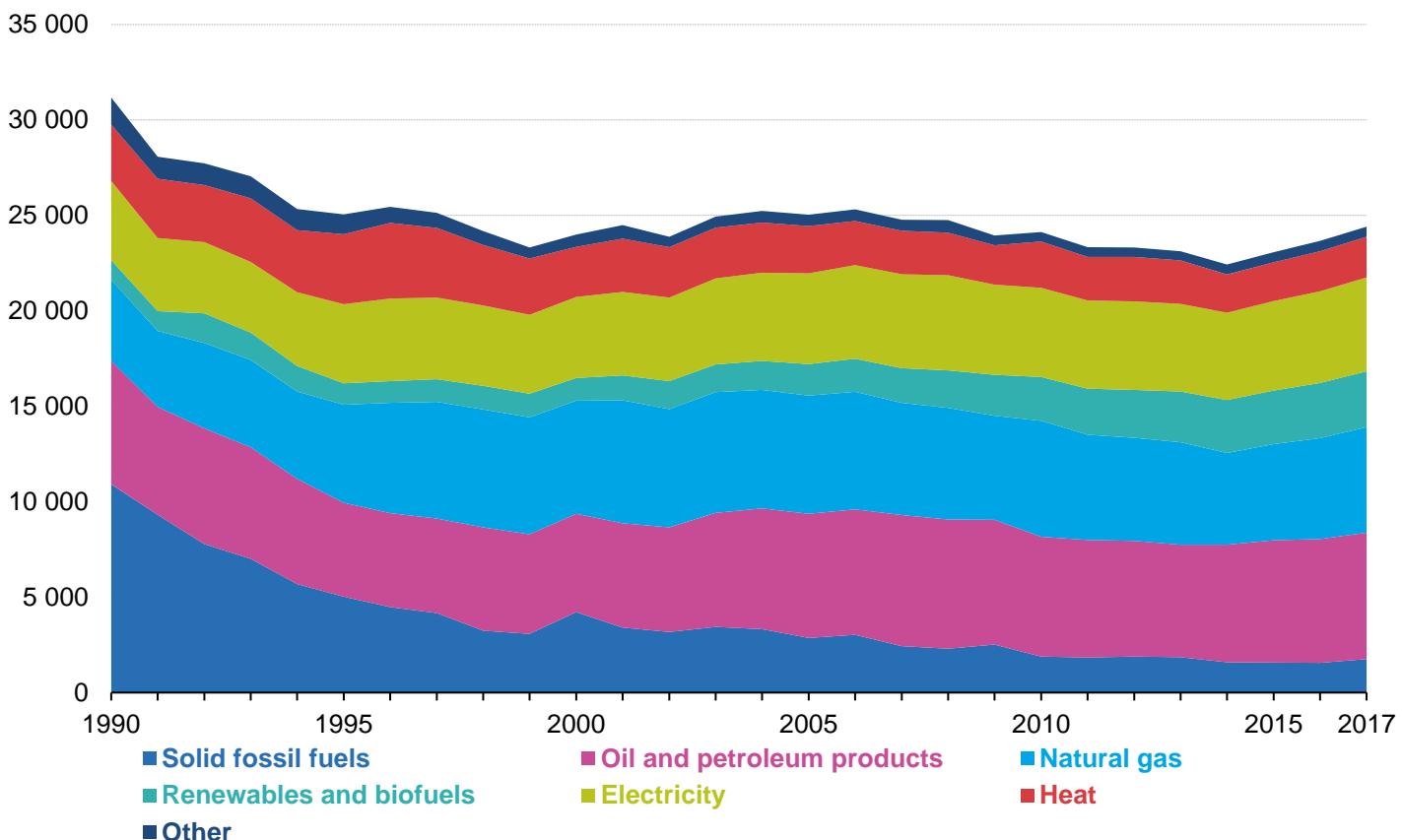


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

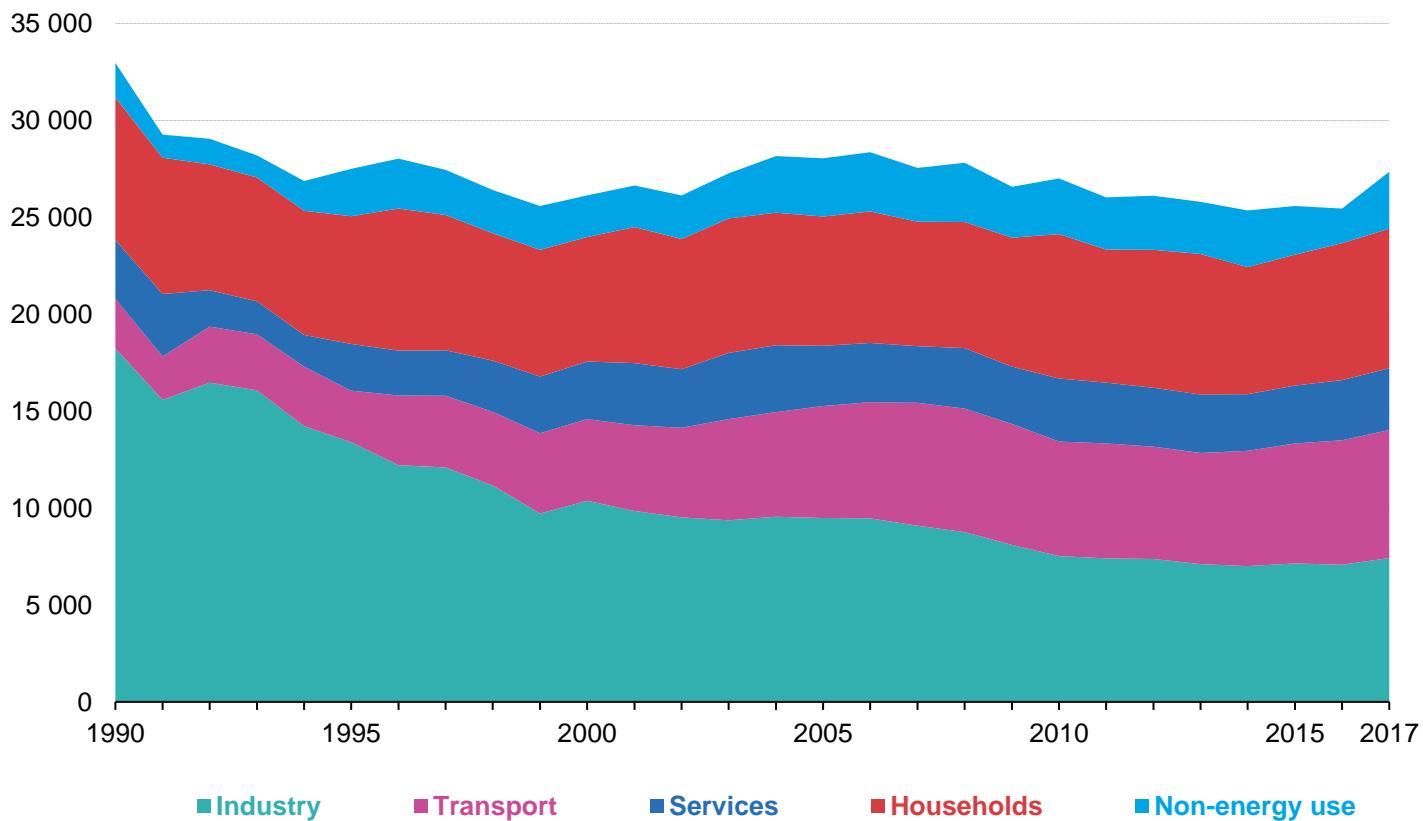
# Czechia

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Denmark	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017											
+ Primary production	15 855.9	0.0	Z	0.0	0.0	6 919.1	4 350.4	4 203.7	382.7	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	16 054.7	1 794.6	0.0	0.0	0.0	10 631.5	464.4	1 809.3	43.5	Z	3.0	1 308.5
- Exports	13 869.7	0.0	0.0	0.0	0.0	10 926.3	2 007.2	20.1	0.0	Z	0.0	916.2
+ Change in stock	701.6	-246.0	0.0	0.0	0.0	1 020.7	-60.4	-12.7	0.0	Z	Z	Z
= Gross available energy	<b>18 742.5</b>	<b>1 548.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 645.0</b>	<b>2 747.3</b>	<b>5 980.2</b>	<b>426.1</b>	<b>0.0</b>	<b>3.0</b>	<b>392.3</b>
- International maritime bunkers	534.7	0.0	0.0	0.0	0.0	534.7	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>18 207.8</b>	<b>1 548.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 110.3</b>	<b>2 747.3</b>	<b>5 980.2</b>	<b>426.1</b>	<b>0.0</b>	<b>3.0</b>	<b>392.3</b>
- International aviation	979.3	Z	Z	Z	Z	979.3	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>17 228.5</b>	<b>1 548.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6 131.0</b>	<b>2 747.3</b>	<b>5 980.2</b>	<b>426.1</b>	<b>0.0</b>	<b>3.0</b>	<b>392.3</b>
<b>Transformation input</b>	<b>17 872.7</b>	<b>1 448.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10 889.1</b>	<b>760.7</b>	<b>4 345.7</b>	<b>402.6</b>	<b>0.0</b>	<b>0.0</b>	<b>25.6</b>
+ Electricity & heat generation	6 706.5	1 448.9	0.0	0.0	0.0	89.7	749.5	3 990.1	402.6	0.0	0.0	25.6
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	11.2	0.0	0.0	0.0	0.0	0.0	11.2	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	10 799.5	Z	Z	Z	Z	10 799.5	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	122.5	Z	0.0	Z	Z	0.0	Z	122.5	Z	Z	Z	Z
+ Liquid biofuels blended	233.1	Z	Z	Z	Z	Z	Z	233.1	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>16 963.8</b>	<b>0.0</b>	<b>14.7</b>	<b>0.0</b>	<b>Z</b>	<b>10 703.9</b>	<b>122.5</b>	<b>215.4</b>	<b>Z</b>	<b>Z</b>	<b>3 238.4</b>	<b>2 668.9</b>
+ Electricity & heat generation	5 907.3	Z	Z	Z	Z	Z	Z	Z	Z	Z	3 238.4	2 668.9
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	10 703.9	Z	Z	Z	Z	10 703.9	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	122.5	Z	Z	Z	Z	Z	Z	122.5	Z	Z	Z	Z
+ Liquid biofuels blended	215.4	Z	Z	Z	Z	Z	Z	215.4	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	14.7	0.0	14.7	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>1 139.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>362.4</b>	<b>543.8</b>	<b>3.1</b>	<b>0.0</b>	<b>Z</b>	<b>30.4</b>	<b>199.8</b>
+ Own use in electricity & heat genera	134.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	15.8	119.1
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Oil & natural gas extraction plants	543.8	Z	Z	Z	Z	0.0	543.8	0.0	0.0	Z	Z	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	403.2	0.0	0.0	0.0	0.0	0.0	362.4	0.0	0.0	0.0	Z	14.7
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	54.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	54.5
<b>Distribution losses</b>	<b>792.7</b>	<b>0.0</b>	<b>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>2.7</b>	<b>0.1</b>	<b>0.0</b>	<b>Z</b>	<b>645.1</b>	<b>144.2</b>	
<b>Available for final consumption</b>	<b>14 387.3</b>	<b>99.7</b>	<b>14.1</b>	<b>0.0</b>	<b>0.0</b>	<b>5 583.4</b>	<b>1 562.6</b>	<b>1 846.7</b>	<b>23.5</b>	<b>0.0</b>	<b>2 565.7</b>	<b>2 691.6</b>
<b>Final non-energy consumption</b>	<b>247.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>247.2</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>13 861.6</b>	<b>119.5</b>	<b>14.1</b>	<b>0.0</b>	<b>0.0</b>	<b>5 096.4</b>	<b>1 509.5</b>	<b>1 841.5</b>	<b>23.5</b>	<b>Z</b>	<b>2 565.9</b>	<b>2 691.3</b>
+ Industry	2 344.0	109.9	4.9	0.0	0.0	437.5	692.8	267.6	16.0	Z	78.1	737.3
+ Iron & steel	88.6	0.0	0.0	0.0	0.0	2.5	45.7	0.0	0.0	Z	4.0	36.3
+ Chemical & petrochemical	296.0	12.1	4.0	0.0	0.0	8.1	115.5	9.6	0.0	Z	14.7	132.0
+ Non-ferrous metals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Non-metallic minerals	501.7	62.5	0.0	0.0	0.0	207.1	118.9	21.1	15.6	Z	7.7	68.9
+ Transport equipment	13.7	0.0	0.0	0.0	0.0	0.8	4.3	0.2	0.0	Z	0.8	7.6
+ Machinery	206.5	0.0	0.0	0.0	0.0	13.9	52.6	11.7	0.3	Z	12.8	115.2
+ Mining & quarrying	73.6	2.7	0.0	0.0	0.0	15.8	20.9	25.3	0.0	Z	0.9	7.9
+ Food, beverages & tobacco	633.0	32.6	0.9	0.0	0.0	51.3	278.7	39.0	0.0	Z	23.0	207.3
+ Paper, pulp & printing	67.6	0.0	0.0	0.0	0.0	2.8	24.9	9.4	0.1	Z	3.0	27.4
+ Wood & wood products	108.4	0.0	0.0	0.0	0.0	2.6	2.2	83.3	0.0	Z	2.0	18.3
+ Construction	172.4	0.0	0.0	0.0	0.0	129.6	7.8	0.4	0.0	Z	0.0	34.6
+ Textile & leather	16.8	0.0	0.0	0.0	0.0	0.2	5.3	0.7	0.0	Z	1.1	9.6
+ Not elsewhere specified (industry)	118.4	0.0	0.0	0.0	0.0	3.0	15.9	19.5	0.0	Z	8.0	72.1
+ Transport	4 219.9	0.0	0.0	0.0	0.0	3 963.1	6.0	215.7	0.0	Z	Z	35.0
+ Rail	113.7	0.0	0.0	0.0	0.0	78.7	Z	0.0	0.0	Z	Z	35.0
+ Road	3 860.8	Z	Z	Z	Z	3 639.0	6.0	215.7	0.0	Z	Z	0.0
+ Domestic aviation	30.1	Z	Z	Z	Z	30.1	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	148.4	0.0	0.0	0.0	0.0	148.4	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	66.8	0.0	0.0	0.0	0.0	66.8	0.0	0.0	0.0	Z	Z	0.0
+ Other	7 297.7	9.6	9.2	0.0	0.0	695.7	810.6	1 358.2	7.5	Z	2 487.8	1 919.0
+ Commercial & public services	2 009.7	0.0	0.7	0.0	0.0	57.0	182.4	65.6	7.5	Z	776.7	919.7
+ Households	4 545.2	0.0	8.4	0.0	0.0	215.6	581.7	1 218.0	0.0	Z	1 673.3	848.1
+ Agriculture & forestry	602.8	9.6	0.0	0.0	0.0	306.2	40.8	57.1	0.0	Z	37.9	151.2
+ Fishing	116.8	0.0	0.0	0.0	0.0	116.8	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	23.3	0.0	0.0	0.0	0.0	0.1	5.7	17.5	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>278.5</b>	<b>-19.8</b>	<b>-0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>239.9</b>	<b>53.1</b>	<b>5.1</b>	<b>0.0</b>	<b>0.0</b>	<b>-0.1</b>	<b>0.3</b>
Gross electricity production	2 668.9	533.8	0.0	0.0	0.0	24.1	164.4	1 884.4	62.2	0.0	Z	Z
Gross heat production	3 147.8	459.5	0.0	0.0	0.0	29.3	493.0	1 843.6	299.5	0.0	Z	22.9

Source: Eurostat (nrg\_bal\_c)

Denmark	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	20 593	21 099	19 666	18 781	18 933	18 111	18 138	18 512	18 743	
Solid fossil fuels	3 714	3 809	3 234	2 468	3 174	2 534	1 818	1 974	1 549	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	7 867	7 336	6 689	7 573	7 207	6 808	7 273	6 735	7 316	
Petroleum products	1 161	1 177	1 353	69	243	586	176	763	329	
Natural gas	4 399	4 422	3 717	3 484	3 316	2 804	2 852	2 878	2 747	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	2 925	4 042	4 141	4 333	4 495	4 714	5 080	5 301	5 980	
Non-renewable wastes	406	406	413	401	403	416	427	425	426	
<b>Primary production</b>	31 406	23 471	20 753	18 893	16 807	16 250	16 257	15 405	15 856	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	19 018	12 486	11 237	10 250	8 918	8 351	7 898	7 112	6 919	
Natural gas	9 383	7 343	5 899	5 159	4 282	4 138	4 144	4 054	4 350	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	2 598	3 236	3 204	3 101	3 230	3 382	3 841	3 871	4 204	
Non-renewable wastes	406	406	413	383	377	379	374	368	383	
<b>Net imports</b>	-10 487	-3 440	-1 242	-510	2 340	2 224	2 367	2 486	2 185	
Solid fossil fuels	3 505	2 643	3 589	2 311	2 880	2 658	1 545	1 670	1 795	
Crude oil	-11 202	-5 125	-4 370	-2 405	-1 535	-1 377	-369	-43	745	
Gas/Diesel Oil (w/o bio)	1 161	1 232	1 050	498	729	982	1 166	952	491	
Motor Gasoline (w/o bio)	-21	-216	-363	-634	-752	-599	-699	-620	-870	
Naphtha	-3	-40	0	0	0	0	0	0	0	
LPG	-89	-113	-94	-123	-62	-91	-76	-51	-55	
All other oil & petroleum products	725	488	-93	-14	464	351	372	-46	-606	
Natural gas	-5 010	-3 022	-2 044	-1 851	-770	-1 314	-1 376	-1 285	-1 543	
<b>Transformation input</b>	16 327	16 669	15 158	15 275	18 425	18 298	17 863	19 057	17 873	
Electricity & heat generation	8 231	9 155	7 943	7 186	7 820	7 012	6 399	6 830	6 706	
Refinery intake	7 934	7 442	7 001	7 841	8 866	9 074	9 362	9 374	9 104	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	14 073	14 232	13 183	13 802	16 649	16 774	16 850	18 022	16 964	
Electricity & heat generation	6 198	6 973	6 208	5 905	6 231	5 719	5 594	5 847	5 907	
Refinery output	7 716	7 189	6 760	7 648	8 689	8 839	9 161	9 315	8 991	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	1 286	1 215	1 193	1 194	1 179	1 121	1 141	1 095	1 140	
<b>Distribution losses</b>	743	942	823	835	808	755	774	806	793	
<b>Available for final consumption</b>	14 683	15 001	14 139	13 919	13 705	13 067	13 556	13 954	14 387	
Solid fossil fuels	269	37	126	34	64	93	109	-18	100	
Manufactured gases	13	13	13	13	15	16	16	17	14	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	3 693	3 947	3 800	3 702	3 503	3 471	3 546	3 609	3 778	
Motor Gasoline (w/o bio)	1 954	1 694	1 588	1 488	1 374	1 346	1 352	1 360	1 335	
Naphtha	0	1	0	0	0	0	0	0	0	
LPG	73	55	48	58	47	41	49	53	58	
All other oil & petroleum products	726	458	320	327	392	235	186	385	412	
Natural gas	1 615	1 738	1 555	1 553	1 583	1 400	1 462	1 521	1 563	
Primary solid biofuels & charcoal	854	1 182	1 094	1 018	1 031	1 001	1 224	1 234	1 275	
Liquid biofuels	0	27	123	222	212	227	220	221	216	
All other renewable energies	150	189	202	209	223	235	256	324	356	
Non-renewable wastes	29	19	24	21	21	24	19	21	23	
Electricity	2 879	2 762	2 724	2 682	2 675	2 647	2 653	2 675	2 692	
Heat	2 429	2 880	2 523	2 592	2 565	2 330	2 464	2 551	2 566	
<b>Statistical difference</b>	-342	-108	-270	95	42	-47	-38	-4	278	
<b>Final non-energy consumption</b>	289	263	295	274	278	252	251	251	247	
<b>Final energy consumption</b>	14 736	14 847	14 114	13 550	13 385	12 861	13 342	13 707	13 862	
Industry	2 873	2 447	2 443	2 304	2 180	2 123	2 165	2 243	2 344	
Transport	4 469	4 369	4 376	4 019	3 947	3 980	4 054	4 142	4 220	
Other sectors	7 394	8 030	7 295	7 227	7 258	6 757	7 124	7 322	7 298	
Services	2 002	2 128	1 948	1 979	1 964	1 847	1 900	1 952	2 010	
Households	4 515	5 004	4 496	4 444	4 483	4 146	4 443	4 595	4 545	

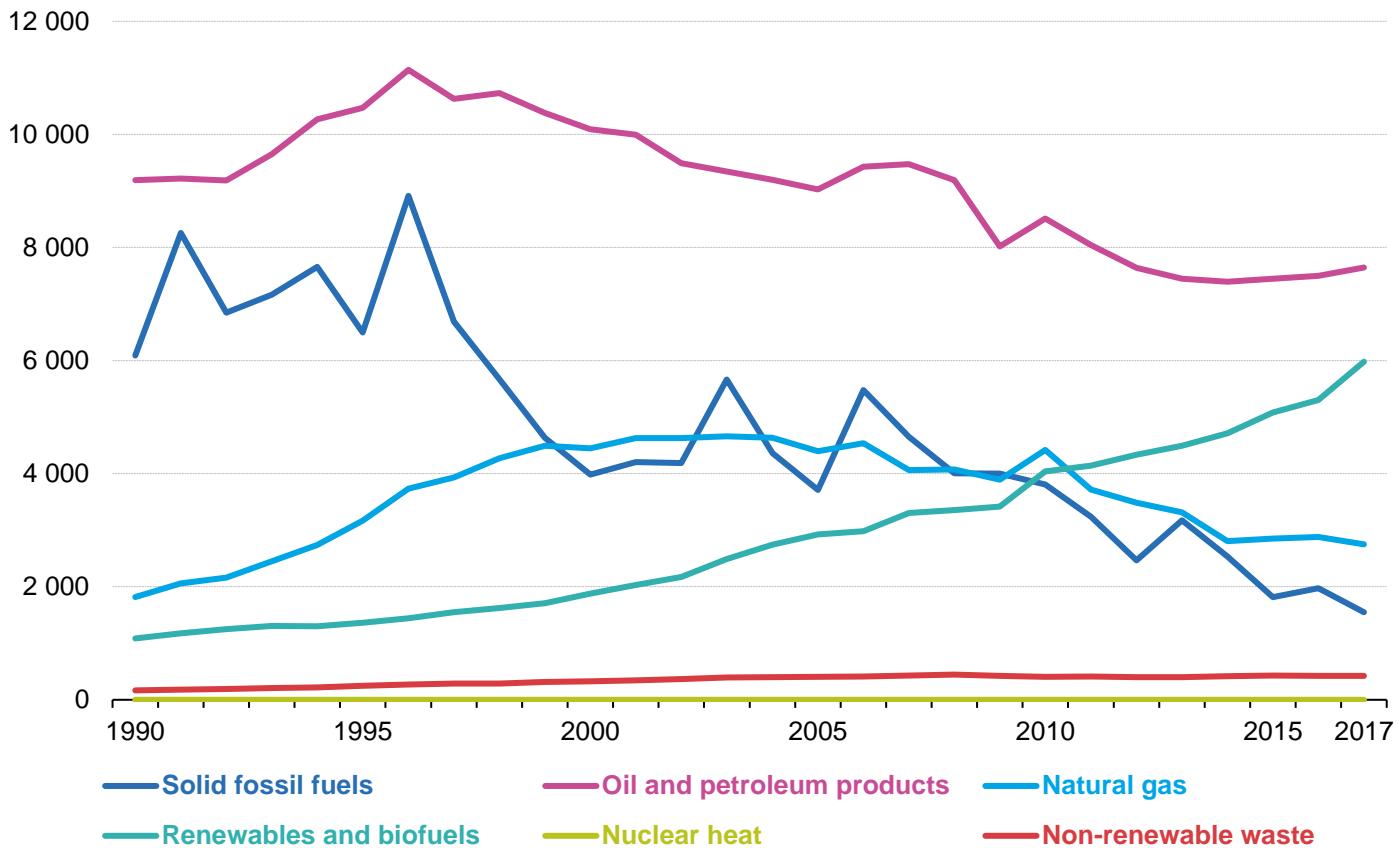
#### Europe 2020-2030 indicators

	2005	2010	2011	2012	2013	2014	2015	2016	2017
Gross inland consumption	19 732	20 271	18 819	18 106	18 134	17 194	17 174	17 626	17 988
Primary energy consumption	19 443	20 008	18 523	17 832	17 855	16 942	16 923	17 375	17 741
Final energy consumption	15 503	15 522	14 802	14 235	14 051	13 590	14 034	14 445	14 624

Source: Eurostat (nrg\_bal\_c)

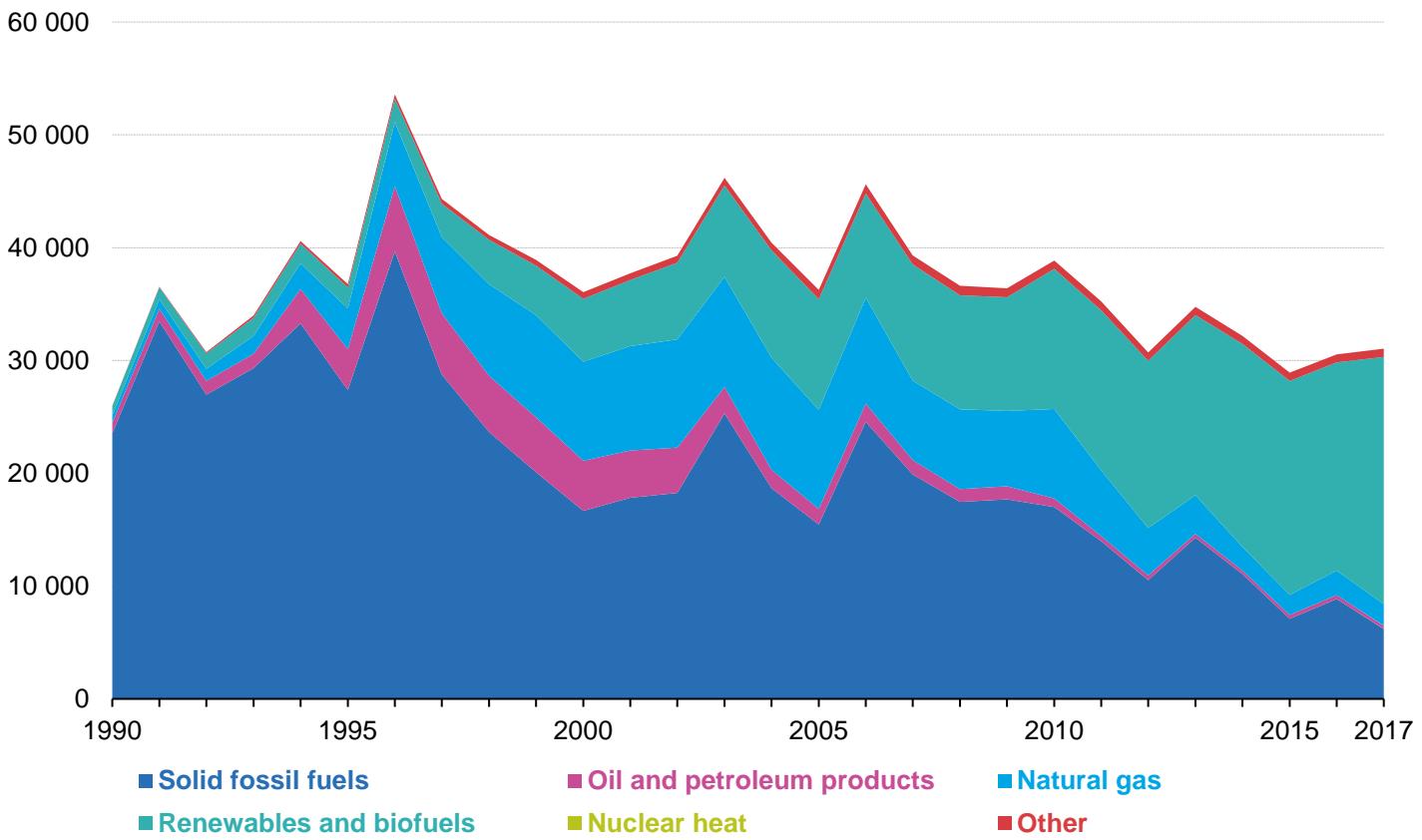
# Denmark

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

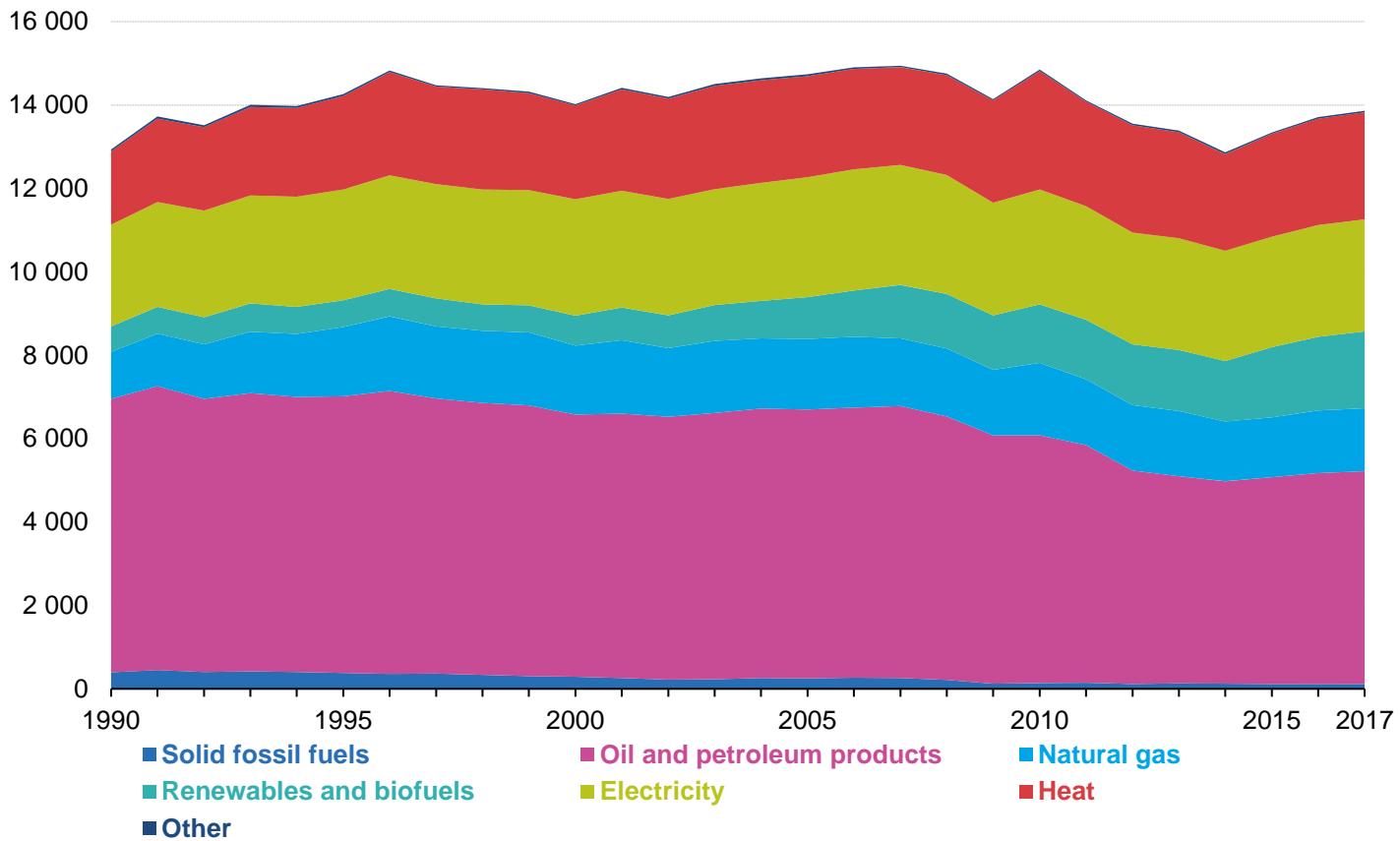


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

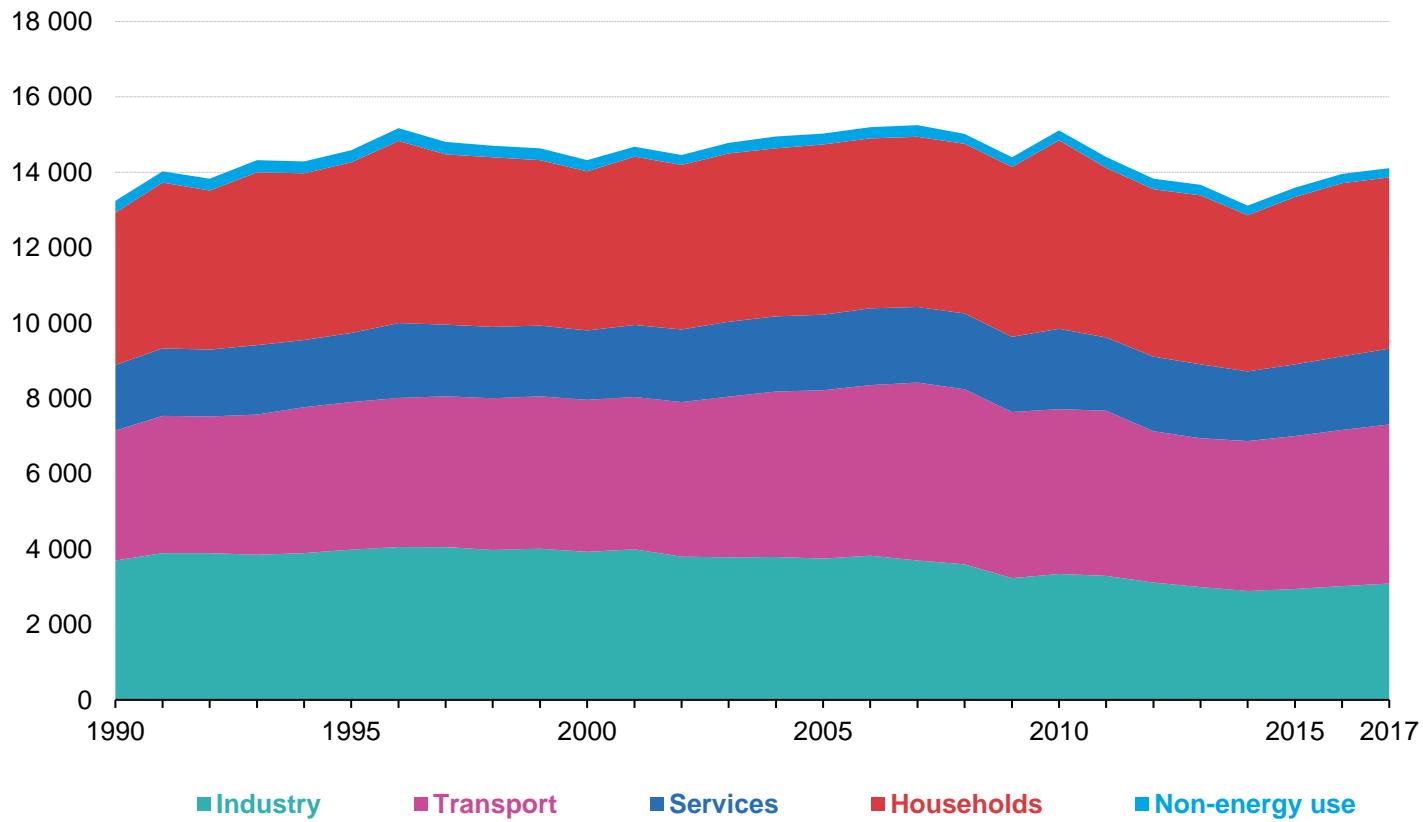
# Denmark

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Germany ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity	
+ Primary production		115 787.7	39 442.4	Z	0.0	0.0	3 529.6	6 028.9	42 618.2	4 514.0	19 654.7	Z	Z	
+ Recovered & recycled products		484.9	0.0	Z	0.0	0.0	484.9	Z	0.0	Z	Z	0.0	Z	
+ Imports		267 891.2	33 802.0	0.0	0.0	0.0	133 911.3	95 741.2	2 042.7	0.0	Z	0.0	2 394.0	
- Exports		60 522.6	1 501.1	0.0	0.0	0.0	23 260.1	26 900.4	1 953.4	0.0	Z	3.0	6 904.6	
+ Change in stock		831.7	-434.8	0.0	0.0	0.0	795.6	470.9	0.0	0.0	Z	Z	Z	
= Gross available energy		<b>324 472.9</b>	<b>71 308.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>115 461.2</b>	<b>75 340.7</b>	<b>42 707.5</b>	<b>4 514.0</b>	<b>19 654.7</b>	<b>-3.0</b>	<b>-4 510.7</b>	
- International maritime bunkers		2 289.1	0.0	0.0	0.0	0.0	2 289.1	0.0	0.0	Z	Z	Z	Z	
= Gross inland consumption		<b>322 183.8</b>	<b>71 308.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>113 172.1</b>	<b>75 340.7</b>	<b>42 707.5</b>	<b>4 514.0</b>	<b>19 654.7</b>	<b>-3.0</b>	<b>-4 510.7</b>	
- International aviation		9 526.4	Z	Z	Z	Z	9 526.4	Z	0.0	Z	Z	Z	Z	
= Total energy supply		<b>312 657.4</b>	<b>71 308.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>103 645.6</b>	<b>75 340.7</b>	<b>42 707.5</b>	<b>4 514.0</b>	<b>19 654.7</b>	<b>-3.0</b>	<b>-4 510.7</b>	
<b>Transformation input</b>		<b>280 260.7</b>	<b>75 559.5</b>	<b>2 503.3</b>	<b>0.0</b>	<b>0.0</b>	<b>131 120.5</b>	<b>18 310.8</b>	<b>29 015.0</b>	<b>3 387.3</b>	<b>19 654.7</b>	<b>0.0</b>	<b>709.5</b>	
+ Electricity & heat generation		125 728.1	53 629.9	2 503.3	0.0	0.0	1 308.3	18 310.8	26 224.3	3 387.3	19 654.7	0.0	709.5	
+ Coke ovens		9 049.1	8 650.2	0.0	0.0	0.0	399.0	0.0	0.0	Z	Z	Z	Z	
+ Blast furnaces		10 097.9	10 071.0	0.0	0.0	0.0	27.0	0.0	0.0	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Refineries & petrochemical industry		129 386.3	Z	Z	Z	Z	129 386.3	Z	Z	Z	Z	Z	Z	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ BKB & PB plants		3 208.5	3 208.5	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	
+ Liquid biofuels blended		2 757.6	Z	Z	Z	Z	Z	Z	2 757.6	Z	Z	Z	Z	
+ Charcoal production plants		33.1	Z	Z	Z	Z	Z	Z	33.1	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
<b>Transformation output</b>		<b>211 958.5</b>	<b>9 798.9</b>	<b>5 907.8</b>	<b>0.0</b>	<b>Z</b>	<b>126 036.7</b>	<b>0.0</b>	<b>2 782.8</b>	<b>Z</b>	<b>Z</b>	<b>11 221.0</b>	<b>56 211.3</b>	
+ Electricity & heat generation		67 432.3	Z	Z	Z	Z	Z	Z	Z	Z	Z	11 221.0	56 211.3	
+ Coke ovens		7 889.6	6 426.9	1 462.7	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Blast furnaces		4 445.1	0.0	4 445.1	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Refineries & petrochemical industry		126 036.7	Z	Z	Z	Z	126 036.7	Z	0.0	Z	Z	Z	Z	
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ BKB & PB plants		3 372.0	3 372.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z	
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	
+ Liquid biofuels blended		2 757.6	Z	Z	Z	Z	Z	Z	2 757.6	Z	Z	Z	Z	
+ Charcoal production plants		25.2	Z	Z	Z	Z	Z	Z	25.2	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	
<b>Energy sector</b>		<b>11 565.6</b>	<b>187.9</b>	<b>646.1</b>	<b>0.0</b>	<b>0.0</b>	<b>4 435.1</b>	<b>1 374.7</b>	<b>538.4</b>	<b>0.0</b>	<b>Z</b>	<b>338.4</b>	<b>4 045.0</b>	
+ Own use in electricity & heat genera		2 981.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	2 981.8		
+ Coal mines		63.8	0.5	0.0	0.0	0.0	3.1	14.6	0.0	0.0	Z	2.4	43.3	
+ Oil & natural gas extraction plants		250.0	Z	Z	Z	Z	0.0	196.9	0.0	Z	Z	0.7	52.4	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	Z	Z	0.0	0.0	
+ Coke ovens		646.3	0.0	621.1	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	25.2	
+ BKB & PB plants		867.7	187.4	0.0	0.0	0.0	Z	Z	17.6	0.0	Z	245.5	417.2	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	
+ Petroleum refineries (oil refineries)		6 234.1	0.0	25.0	0.0	0.0	4 427.2	1 163.2	3.7	0.0	Z	89.9	525.2	
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0	
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0	
+ Gasification plants for biogas		516.8	Z	Z	Z	Z	Z	Z	516.8	0.0	Z	0.0	0.0	
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Not elsewhere specified (energy)		5.2	0.0	0.0	0.0	0.0	4.8	0.0	0.4	0.0	Z	0.0	0.0	
<b>Distribution losses</b>		<b>4 025.3</b>	<b>0.0</b>	<b>563.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>65.2</b>	<b>0.0</b>	<b>Z</b>	<b>1 072.7</b>	<b>2 323.6</b>		
<b>Available for final consumption</b>		<b>228 764.3</b>	<b>5 360.0</b>	<b>2 194.8</b>	<b>0.0</b>	<b>0.0</b>	<b>94 126.7</b>	<b>55 655.2</b>	<b>15 871.6</b>	<b>1 126.7</b>	<b>0.0</b>	<b>9 807.0</b>	<b>44 622.4</b>	
<b>Final non-energy consumption</b>		<b>22 803.3</b>	<b>391.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>19 829.9</b>	<b>2 582.1</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		
<b>Final energy consumption</b>		<b>204 604.4</b>	<b>4 547.9</b>	<b>2 194.8</b>	<b>0.0</b>	<b>0.0</b>	<b>73 663.0</b>	<b>52 771.6</b>	<b>15 871.0</b>	<b>1 126.7</b>	<b>Z</b>	<b>9 807.0</b>	<b>44 622.4</b>	
+ Industry		56 272.6	4 029.2	2 194.8	0.0	0.0	2 075.1	20 360.7	2 763.4	1 126.7	Z	4 110.4	19 612.3	
+ Iron & steel		7 630.4	917.8	2 115.5	0.0	0.0	30.3	2 240.6	0.1	0.0	Z	30.6	2 295.4	
+ Chemical & petrochemical		15 115.9	862.0	28.9	0.0	0.0	1 015.6	5 866.3	78.3	237.2	Z	2 365.6	4 662.0	
+ Non-ferrous metals		2 353.0	28.9	0.0	0.0	0.0	61.0	834.8	0.3	6.4	Z	22.1	1 399.5	
+ Non-metallic minerals		6 709.7	1 419.1	0.0	0.0	0.0	333.1	2 538.8	502.5	802.4	Z	17.5	1 096.4	
+ Transport equipment		3 025.7	177.9	37.3	0.0	0.0	40.0	934.5	6.3	0.0	Z	300.7	1 528.9	
+ Machinery		5 298.7	37.6	12.6	0.0	0.0	230.7	1 803.2	38.6	1.8	Z	258.6	2 915.6	
+ Mining & quarrying		355.6	60.0	0.0	0.0	0.0	31.7	102.1	6.7	0.0	Z	3.1	152.0	
+ Food, beverages & tobacco		5 104.4	207.8	0.0	0.0	0.0	153.6	2 820.2	59.6	0.0	Z	260.6	1 602.7	
+ Paper, pulp & printing		5 691.6	313.6	0.0	0.0	0.0	37.5	2 080.3	724.1	78.4	Z	617.2	1 840.6	
+ Wood & wood products		1 866.0	0.0	0.0	0.0	0.0	15.3	137.3	1 234.9	0.3	Z	63.9	414.2	
+ Construction		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Textile & leather		471.8	4.3	0.0	0.0	0.0	19.5	242.9	2.2	0.0	Z	15.6	187.3	
+ Not elsewhere specified (industry)		2 649.8	0.0	0.4	0.0	0.0	106.8	759.6	110.0	0.1	Z	155.0	1 517.9	
+ Transport		57 242.6	0.0	0.0	0.0	0.0	53 158.2	457.0	2 599.3	0.0	Z	1 028.1		
+ Rail		1 301.6	0.0	0.0	0.0	0.0	272.8	Z	14.2	0.0	Z	Z	1 014.6	
+ Road		54 579.4	Z	Z	Z	Z	51 837.7	143.0	2 585.2	0.0	Z	Z	13.5	
+ Domestic aviation		673.8	Z	Z	Z	Z	673.8	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation		244.1	0.0	0.0	0.0	0.0	244.1	Z	0.0	0.0	Z	Z	Z	
+ Pipeline transport		314.0	Z	Z	Z	Z	0.0	314.0	0.0	Z	Z	Z	0.0	
+ Not elsewhere specified (transport)		129.6	0.0	0.0	0.0	0.0	129.6	0.0	0.0	0.0	Z	Z	0.0	
+ Other		91 089.2	518.7	0.0	0.0	0.0	18 429.8	31 954.0	10 508.2	0.0	Z	5 696.6	23 982.0	
+ Commercial & public services		34 451.7	18.3	0.0	0.0	0.0	6 996.6	10 355.7	2 856.8	0.0	Z	1 265.5	12 958.8	
+ Households		56 552.3	500.4	0.0	0.0	0.0	11 347.9	21 598.2	7 651.4	0.0	Z	4 431.1	11 023.2	
+ Agriculture & forestry		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Fishing		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Not elsewhere specified (other)		85.2	0.0	0.0	0.0	0.0	85.2	0.0	0.0	0.0	Z	0.0	0.0	
<b>Statistical differences</b>		<b>1 356.7</b>	<b>420.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>633.7</b>	<b>301.4</b>	<b>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
Gross electricity production		56 065.0	20 802.2	936.8	0.0	0.0	479.0	7 539.6	19 117.9	626.9	6 562.7	Z	Z	
Gross heat production		11 042.1	3 125.6	14.3	0.0	0.0	108.9	5 241.5	1 615.6	936.2	0.0	Z	0.0	

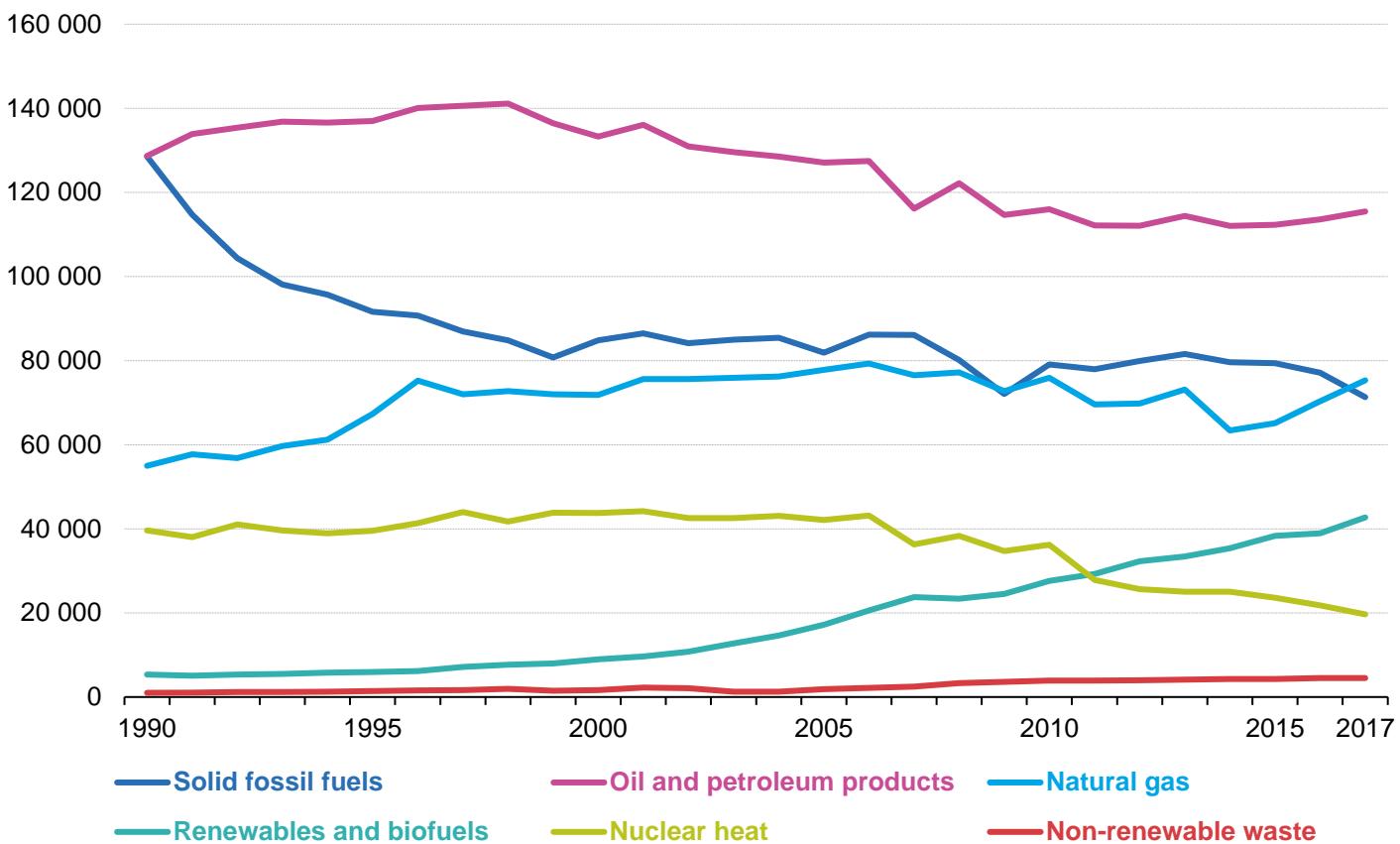
Source: Eurostat (nrg\_bal\_c)

Germany	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	347 418	337 327	320 346	321 946	328 833	316 813	318 941	321 927	324 473	
Solid fossil fuels	81 841	79 076	77 966	79 919	81 561	79 605	79 415	77 131	71 308	
Peat & peat products	2	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	119 259	97 747	95 523	97 185	95 521	93 989	96 150	96 899	95 901	
Petroleum products	7 818	18 215	16 609	14 909	18 864	18 043	16 134	16 691	19 560	
Natural gas	77 782	75 905	69 596	69 819	73 102	63 374	65 154	70 330	75 341	
Nuclear heat	42 061	36 201	27 807	25 619	25 052	25 011	23 636	21 795	19 655	
Renewable energies	17 210	27 571	29 300	32 252	33 397	35 406	38 354	38 915	42 707	
Non-renewable wastes	1 845	3 906	3 874	4 016	4 107	4 302	4 252	4 513	4 514	
<b>Primary production</b>	136 676	128 510	122 534	122 621	120 486	119 764	119 653	115 662	115 788	
Solid fossil fuels	56 458	45 906	46 697	47 596	45 055	44 133	43 004	39 725	39 442	
Peat	26	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	5 103	3 672	3 807	3 736	3 726	3 436	3 540	3 597	3 530	
Natural gas	14 334	11 113	10 893	9 569	8 866	6 864	6 335	6 551	6 029	
Nuclear heat	42 061	36 201	27 807	25 619	25 052	25 011	23 636	21 795	19 655	
Renewable energies	16 851	27 712	29 456	32 086	33 679	36 018	38 886	39 481	42 618	
Non-renewable wastes	1 845	3 906	3 874	4 016	4 107	4 302	4 252	4 513	4 514	
<b>Net imports</b>	211 521	204 051	199 383	199 238	207 109	196 225	198 461	205 106	207 369	
Solid fossil fuels	25 977	31 639	32 405	32 118	36 268	35 632	36 072	38 264	32 301	
Crude oil	114 493	93 970	91 675	94 792	92 144	90 767	92 326	92 530	92 119	
Gas/Diesel Oil (w/o bio)	3 696	9 150	7 398	7 494	11 086	9 574	10 313	10 145	10 765	
Motor Gasoline (w/o bio)	-2 565	-2 953	-2 950	-3 556	-3 316	-3 134	-2 535	-3 551	-3 585	
Naphtha	6 603	6 894	6 322	6 040	6 609	7 556	6 681	7 182	7 761	
LPG	100	711	657	863	782	435	513	618	764	
All other oil & petroleum products	1 340	4 427	3 984	3 267	3 047	2 249	1 103	2 547	2 827	
Natural gas	61 940	61 645	60 377	59 826	63 541	56 673	58 676	62 285	68 841	
<b>Transformation input</b>	313 048	290 974	279 485	284 801	283 018	278 802	280 801	282 102	280 261	
Electricity & heat generation	142 015	139 242	130 422	133 995	134 628	130 783	130 472	130 095	125 728	
Refinery intake	128 292	105 033	103 523	104 467	101 711	100 385	102 801	104 175	105 327	
Coke ovens	7 540	8 316	8 229	8 072	8 328	8 552	8 504	9 060	9 049	
Blast furnaces	9 737	10 188	9 682	9 874	9 745	9 932	10 094	9 915	10 098	
<b>Transformation output</b>	227 711	209 979	204 327	207 800	206 466	204 551	207 486	210 536	211 959	
Electricity & heat generation	65 331	66 731	63 874	65 638	66 584	64 450	66 551	67 022	67 432	
Refinery output	125 115	103 088	101 376	102 389	99 533	98 968	100 165	102 178	101 945	
Coke ovens	7 130	7 052	6 898	6 943	7 135	7 564	7 608	8 096	7 890	
Blast furnaces	4 578	4 524	4 332	4 255	4 374	4 357	4 486	4 351	4 445	
<b>Energy sector</b>	13 135	12 361	12 309	12 364	12 076	11 835	11 949	12 472	11 566	
<b>Distribution losses</b>	4 135	3 612	3 504	3 537	3 592	3 689	3 821	3 906	4 025	
<b>Available for final consumption</b>	234 878	229 639	218 999	218 339	225 987	216 730	219 423	222 548	228 764	
Solid fossil fuels	5 145	6 805	6 561	3 753	4 220	5 149	5 594	5 807	5 360	
Manufactured gases	2 566	2 553	2 610	2 545	2 493	2 481	2 591	2 374	2 195	
Peat & peat products	2	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	53 196	51 075	49 088	50 656	52 954	51 791	51 670	51 958	52 500	
Motor Gasoline (w/o bio)	23 795	19 136	19 130	17 887	17 908	17 731	17 558	17 524	17 536	
Naphtha	14 396	12 953	12 040	12 327	12 677	13 329	12 681	12 543	12 192	
LPG	2 722	3 056	2 946	3 144	3 101	2 759	2 843	2 805	3 702	
All other oil & petroleum products	9 600	8 715	8 604	7 659	7 491	7 952	7 982	8 202	8 197	
Natural gas	58 682	54 673	49 726	51 718	56 206	48 049	49 662	51 665	55 655	
Primary solid biofuels & charcoal	6 107	8 051	7 400	7 308	7 488	7 837	8 671	8 949	9 244	
Liquid biofuels	1 919	3 151	2 991	3 092	2 832	2 929	2 714	2 720	2 743	
All other renewable energies	814	1 469	1 770	1 886	2 239	2 459	2 577	2 600	3 885	
Non-renewable wastes	276	953	906	900	1 006	1 018	1 026	1 132	1 127	
Electricity	44 907	45 780	45 189	45 214	44 987	44 096	44 259	44 486	44 622	
Heat	10 751	11 268	10 036	10 250	10 385	9 150	9 594	9 782	9 807	
<b>Statistical difference</b>	4 098	629	389	-1 861	510	-416	-229	-1 408	1 357	
<b>Final non-energy consumption</b>	24 662	22 585	22 380	21 817	21 733	22 124	21 260	21 422	22 803	
<b>Final energy consumption</b>	206 117	206 425	196 230	198 382	203 744	195 022	198 392	202 534	204 604	
Industry	54 195	55 261	55 930	55 088	55 145	54 858	55 231	55 833	56 273	
Transport	54 877	53 155	53 651	53 264	54 253	55 466	55 158	56 556	57 243	
Other sectors	97 046	98 009	86 648	90 030	94 346	84 698	88 004	90 146	91 089	
Services	33 193	35 356	31 909	33 249	34 489	33 043	34 716	34 001	34 452	
Households	63 502	62 475	54 578	56 624	59 711	51 526	53 170	56 040	56 552	

Source: Eurostat (nrg\_bal\_c)

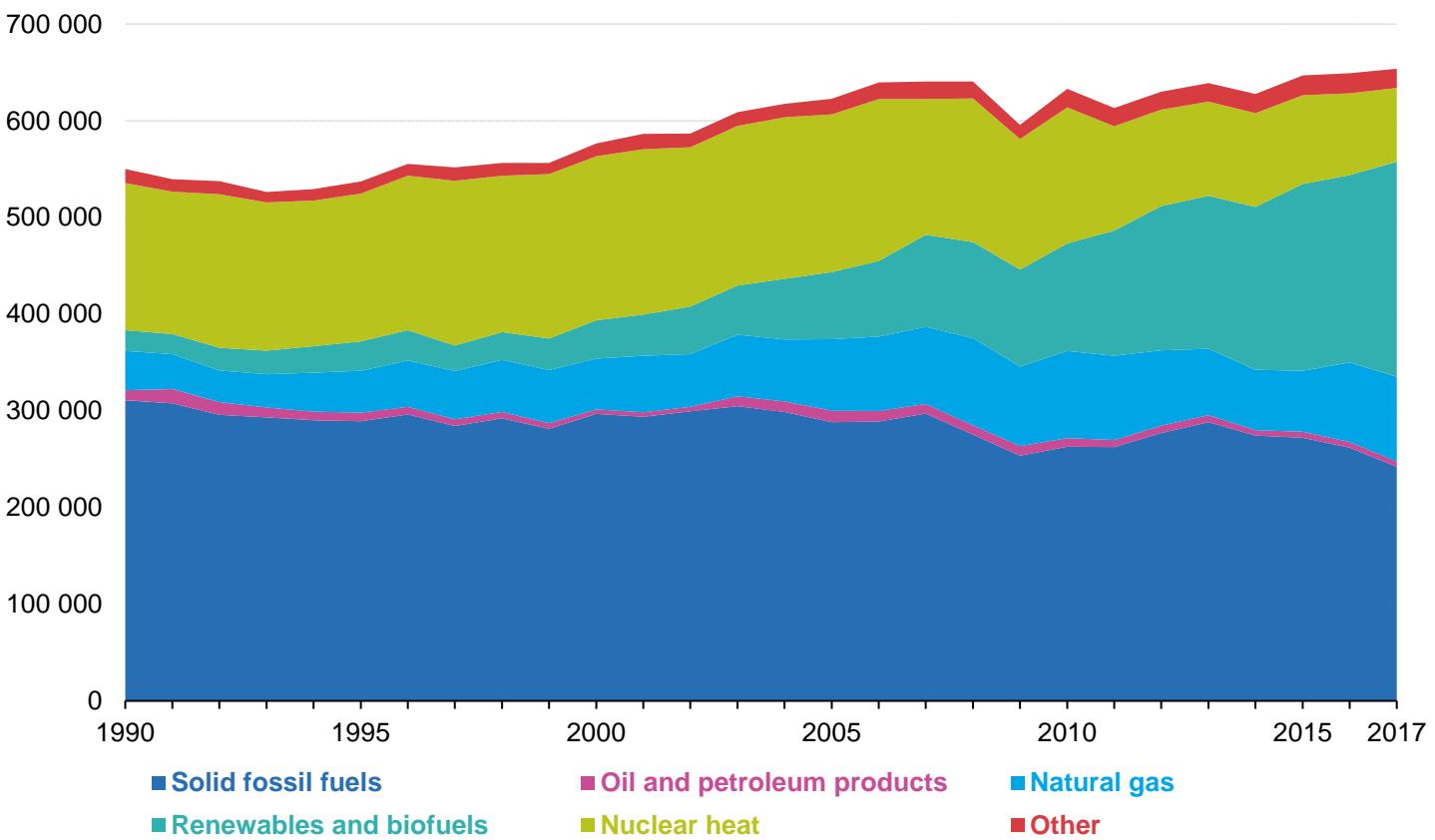
# Germany

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

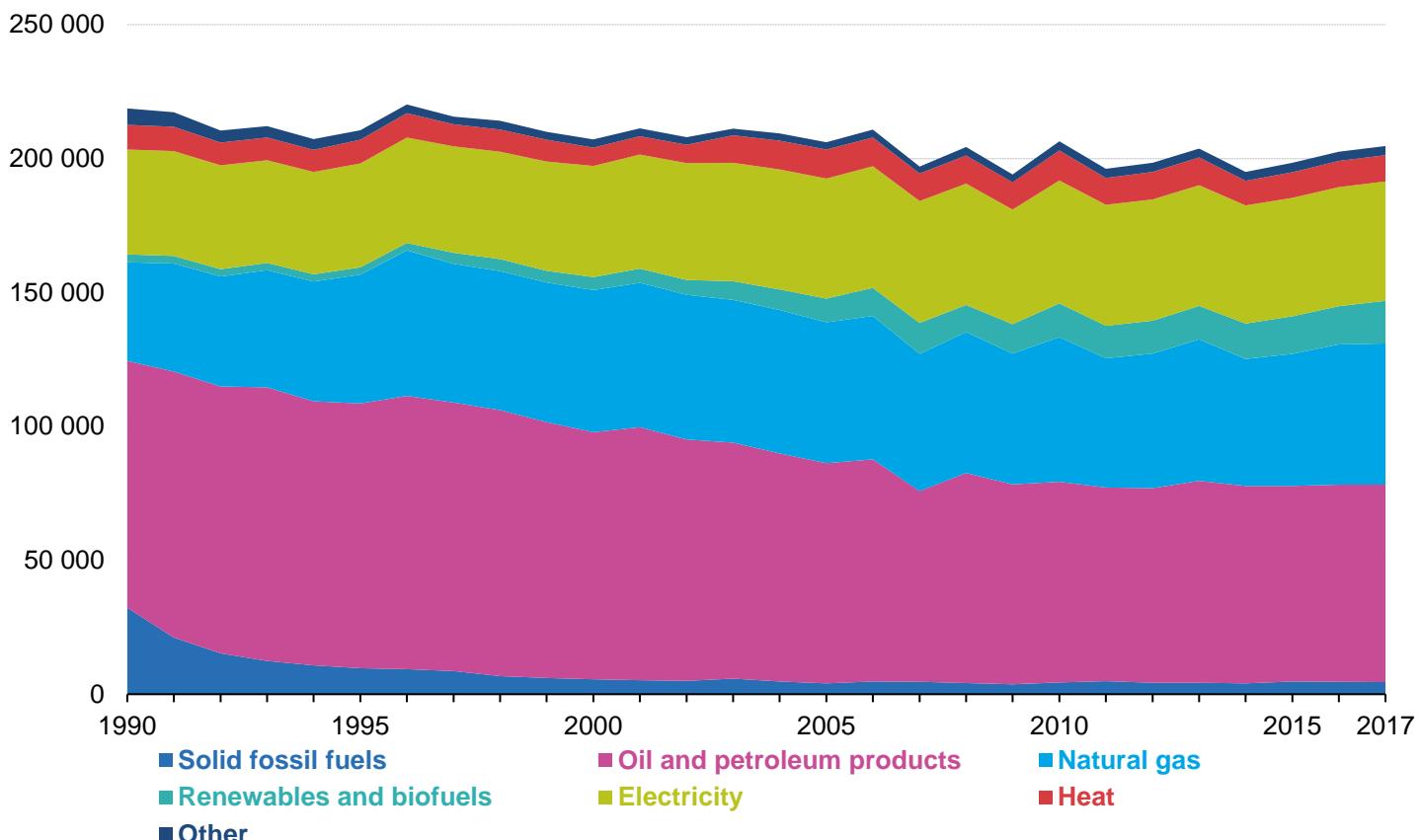


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

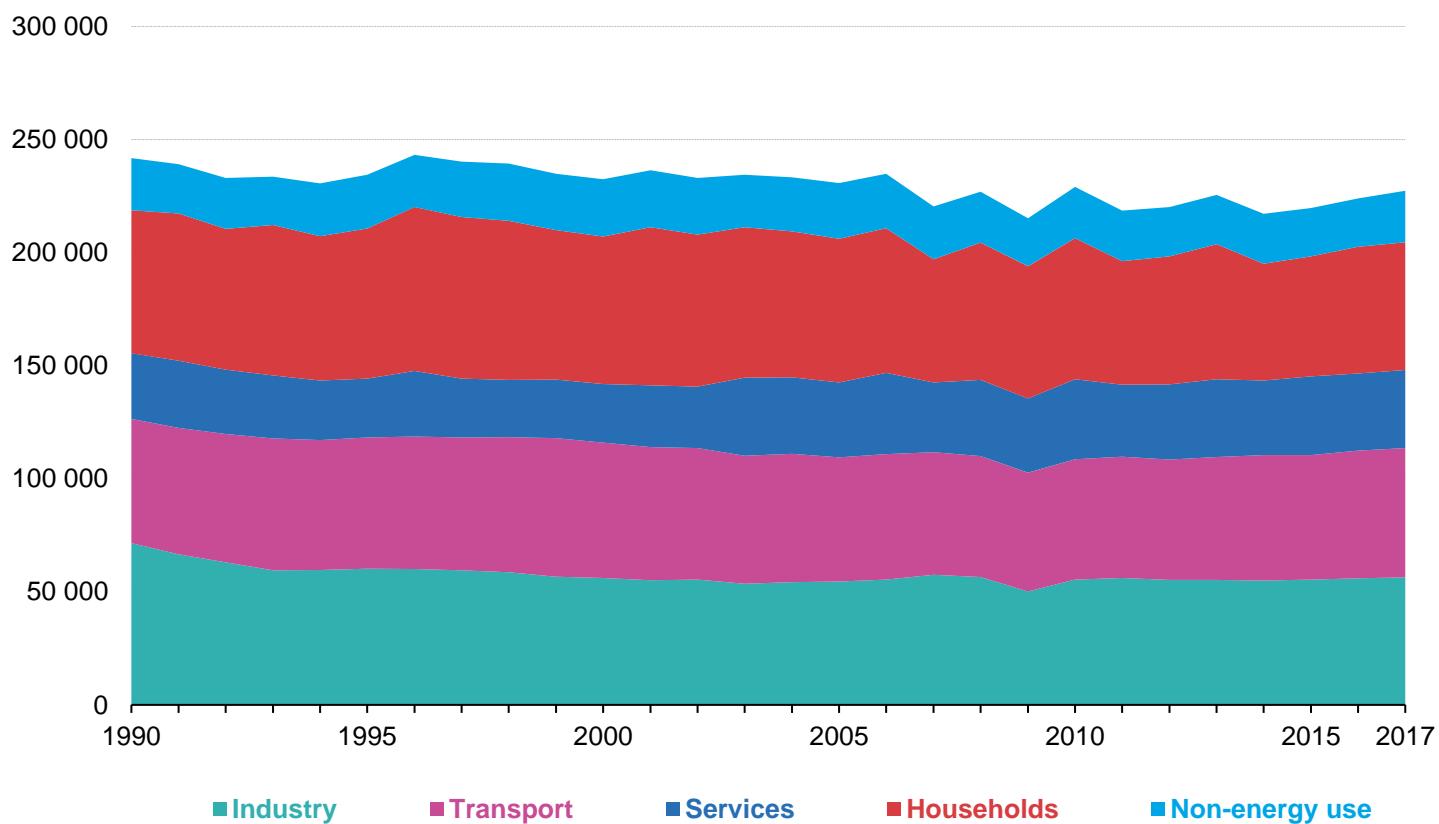
# Germany

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Estonia ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	5 791.7	0.0	Z	7.7	4 147.1	0.0	0.0	1 564.6	72.4	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	2 533.7	23.6	0.0	0.0	0.0	1 889.4	406.0	18.6	0.0	Z	0.0	196.1
- Exports	2 286.6	12.9	0.0	7.5	0.0	1 294.6	0.0	540.4	0.0	Z	0.0	431.2
+ Change in stock	32.6	1.6	0.0	35.4	54.8	-78.4	0.0	19.4	-0.2	Z	Z	Z
= Gross available energy	<b>6 071.4</b>	<b>12.3</b>	<b>0.0</b>	<b>35.6</b>	<b>4 201.8</b>	<b>516.4</b>	<b>406.0</b>	<b>1 062.3</b>	<b>72.2</b>	<b>0.0</b>	<b>0.0</b>	<b>-235.1</b>
- International maritime bunkers	307.0	0.0	0.0	0.0	0.0	307.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>5 764.5</b>	<b>12.3</b>	<b>0.0</b>	<b>35.6</b>	<b>4 201.8</b>	<b>209.4</b>	<b>406.0</b>	<b>1 062.3</b>	<b>72.2</b>	<b>0.0</b>	<b>0.0</b>	<b>-235.1</b>
- International aviation	59.7	Z	Z	Z	Z	59.7	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>5 704.8</b>	<b>12.3</b>	<b>0.0</b>	<b>35.6</b>	<b>4 201.8</b>	<b>149.8</b>	<b>406.0</b>	<b>1 062.3</b>	<b>72.2</b>	<b>0.0</b>	<b>0.0</b>	<b>-235.1</b>
<b>Transformation input</b>	<b>5 254.8</b>	<b>2.6</b>	<b>142.2</b>	<b>35.6</b>	<b>4 135.6</b>	<b>128.2</b>	<b>165.7</b>	<b>591.9</b>	<b>53.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation	3 525.0	2.6	142.2	35.6	2 494.2	39.8	165.7	591.9	53.0	0.0	0.0	0.0
+ Coke ovens	16.3	0.0	0.0	0.0	16.3	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	184.8	0.0	0.0	0.0	184.8	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	88.4	Z	Z	Z	Z	88.4	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	1 440.2	0.0	0.0	0.0	1 440.2	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>2 890.2</b>	<b>12.9</b>	<b>142.2</b>	<b>0.0</b>	<b>Z</b>	<b>1 046.2</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>579.5</b>	<b>1 109.5</b>
+ Electricity & heat generation	1 688.9	Z	Z	Z	Z	Z	Z	Z	Z	Z	579.5	1 109.5
+ Coke ovens	12.9	12.9	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	142.2	0.0	142.2	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	91.2	Z	Z	Z	Z	91.2	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	955.0	Z	Z	Z	Z	955.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>217.4</b>	<b>1.6</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>13.1</b>	<b>4.5</b>	<b>1.0</b>	<b>0.0</b>	<b>Z</b>	<b>8.4</b>	<b>186.8</b>
+ Own use in electricity & heat genera	146.0	1.6	0.0	0.0	0.0	0.0	0.0	1.0	0.0	Z	0.0	143.5
+ Coal mines	35.9	0.0	0.0	0.0	2.0	13.1	0.0	0.0	0.0	Z	0.1	20.7
+ Oil & natural gas extraction plants	4.5	Z	Z	Z	Z	0.0	4.5	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.8	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.8
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	26.2	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	8.4	17.9
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	3.9
<b>Distribution losses</b>	<b>149.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>82.5</b>	<b>67.0</b>
<b>Available for final consumption</b>	<b>2 973.4</b>	<b>21.1</b>	<b>0.0</b>	<b>0.0</b>	<b>64.2</b>	<b>1 054.7</b>	<b>235.7</b>	<b>469.4</b>	<b>19.2</b>	<b>0.0</b>	<b>488.5</b>	<b>620.6</b>
<b>Final non-energy consumption</b>	<b>120.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>53.4</b>	<b>67.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>2 805.8</b>	<b>21.1</b>	<b>0.0</b>	<b>0.0</b>	<b>19.1</b>	<b>987.6</b>	<b>235.7</b>	<b>428.6</b>	<b>17.2</b>	<b>Z</b>	<b>475.9</b>	<b>620.6</b>
+ Industry	456.2	17.9	0.0	0.0	19.1	55.8	98.3	18.7	17.2	Z	37.0	192.3
+ Iron & steel	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	Z	0.0	0.2
+ Chemical & petrochemical	36.3	0.0	0.0	0.0	0.0	5.2	4.1	0.0	0.0	Z	17.2	9.8
+ Non-ferrous metals	1.1	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	Z	0.0	0.0
+ Non-metallic minerals	85.0	17.9	0.0	0.0	18.8	1.0	15.4	0.0	17.2	Z	1.7	12.9
+ Transport equipment	7.1	0.0	0.0	0.0	0.0	1.0	1.9	0.3	0.0	Z	1.5	2.3
+ Machinery	37.2	0.0	0.0	0.0	0.0	1.1	4.0	1.0	0.0	Z	5.2	26.0
+ Mining & quarrying	9.2	0.0	0.0	0.0	0.0	4.0	4.3	0.0	0.0	Z	0.0	0.9
+ Food, beverages & tobacco	57.7	0.0	0.0	0.0	0.3	4.0	23.5	0.4	0.0	Z	3.0	26.6
+ Paper, pulp & printing	72.4	0.0	0.0	0.0	0.0	0.0	22.2	7.2	0.0	Z	0.8	42.2
+ Wood & wood products	66.2	0.0	0.0	0.0	0.0	4.0	9.5	8.4	0.0	Z	1.5	42.9
+ Construction	50.2	0.0	0.0	0.0	0.0	33.3	7.1	0.7	0.0	Z	2.0	7.1
+ Textile & leather	8.8	0.0	0.0	0.0	0.0	0.0	2.1	0.1	0.0	Z	1.6	5.0
+ Not elsewhere specified (industry)	24.6	0.0	0.0	0.0	0.0	2.1	3.0	0.5	0.0	Z	2.5	16.5
+ Transport	802.8	0.0	0.0	0.0	0.0	793.2	4.7	1.0	0.0	Z	4.0	
+ Rail	16.9	0.0	0.0	0.0	0.0	15.8	Z	0.0	0.0	Z	1.1	
+ Road	776.6	Z	Z	Z	Z	769.6	4.7	1.0	0.0	Z	1.4	
+ Domestic aviation	1.2	Z	Z	Z	Z	1.2	Z	0.0	Z	Z	Z	
+ Domestic navigation	6.6	0.0	0.0	0.0	0.0	6.6	Z	0.0	0.0	Z	Z	
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	1.5	
+ Other	1 546.8	3.2	0.0	0.0	0.0	138.6	132.8	409.0	0.0	Z	438.9	424.4
+ Commercial & public services	471.3	0.0	0.0	0.0	0.0	30.0	73.0	13.2	0.0	Z	118.9	236.1
+ Households	942.5	2.1	0.0	0.0	0.0	9.6	55.4	390.4	0.0	Z	318.1	166.8
+ Agriculture & forestry	131.8	1.1	0.0	0.0	0.0	99.0	4.4	5.3	0.0	Z	1.8	20.3
+ Fishing	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	1.2
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>46.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-8.2</b>	<b>-0.3</b>	<b>0.0</b>	<b>40.9</b>	<b>1.9</b>	<b>0.0</b>	<b>12.6</b>	<b>0.0</b>
Gross electricity production	1 109.5	1.5	64.8	9.3	852.3	10.3	5.4	153.6	12.1	0.0	Z	Z
Gross heat production	579.5	0.4	45.9	17.0	45.6	19.1	127.8	297.0	26.7	0.0	Z	0.0

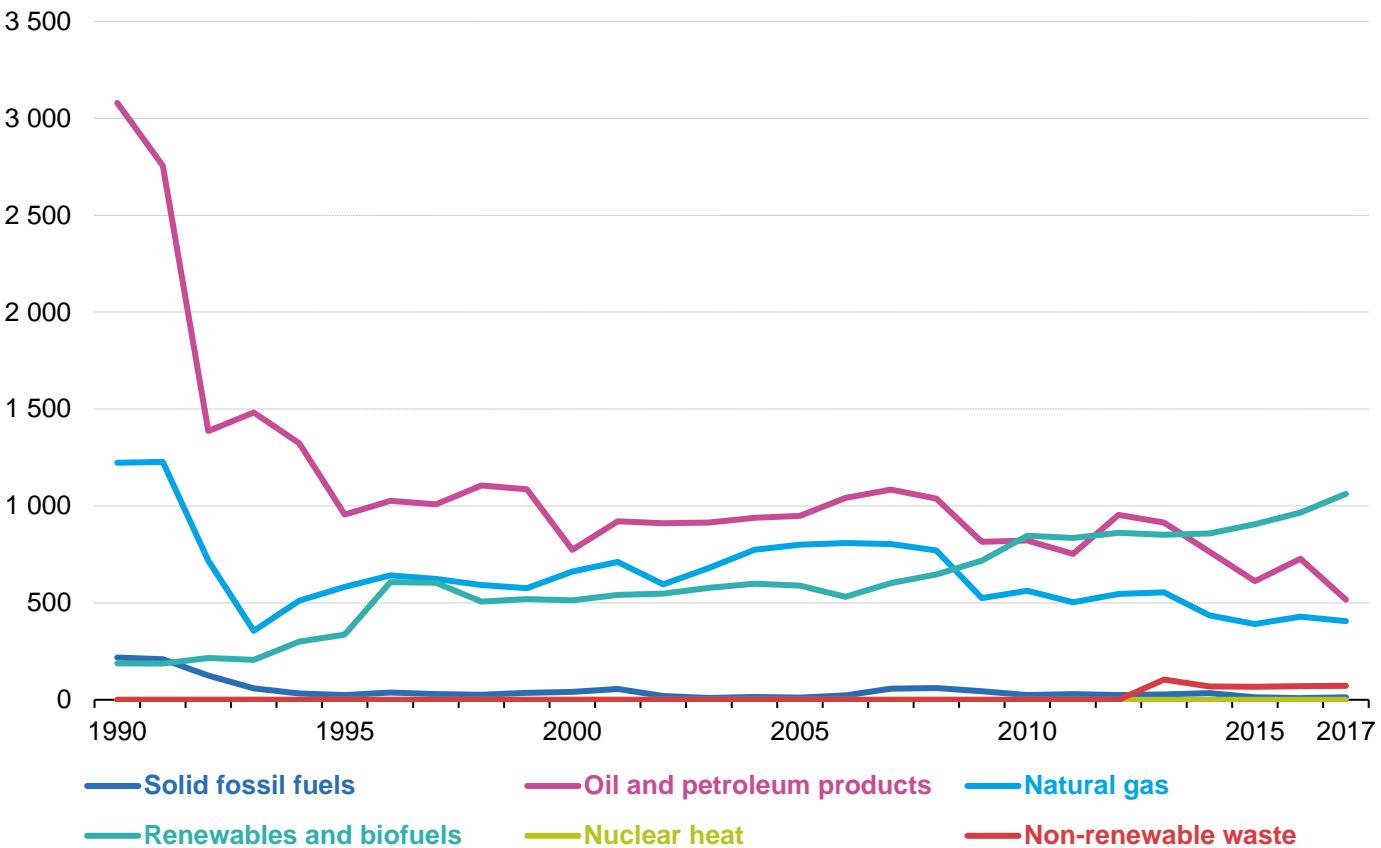
Source: Eurostat (nrg\_bal\_c)

Estonia	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	5 393	5 873	5 849	5 893	6 543	6 119	5 712	6 261	6 071	
Solid fossil fuels	11	24	29	24	28	34	13	9	12	
Peat & peat products	50	54	51	47	44	39	32	34	36	
Oil shale & oil sands	3 132	3 843	3 984	3 653	4 355	4 158	3 771	4 201	4 202	
Crude oil & other hydrocarbons	-208	-367	-397	-441	-509	-567	-723	-598	-867	
Petroleum products	1 157	1 189	1 149	1 395	1 423	1 331	1 335	1 325	1 383	
Natural gas	800	563	503	545	555	436	390	428	406	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	589	846	836	861	851	859	905	966	1 062	
Non-renewable wastes	0	0	0	0	104	68	67	71	72	
<b>Primary production</b>	3 868	4 930	5 038	5 091	5 653	5 572	5 600	5 186	5 792	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	85	88	79	40	66	65	30	26	8	
Oil shale and oil sands	3 091	3 855	3 982	3 996	4 360	4 253	4 216	3 629	4 147	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	692	988	977	1 056	1 122	1 186	1 286	1 461	1 565	
Non-renewable wastes	0	0	0	0	105	68	67	70	72	
<b>Net imports</b>	1 522	901	808	1 166	906	678	551	497	247	
Solid fossil fuels	10	32	26	37	25	35	-1	6	11	
Crude oil	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	602	551	603	707	703	689	745	803	795	
Motor Gasoline (w/o bio)	312	287	268	256	247	243	269	234	301	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	7	9	10	9	10	11	14	24	27	
All other oil & petroleum products	18	-58	-125	-16	-12	-164	-406	-323	-528	
Natural gas	800	563	503	545	555	436	390	428	406	
<b>Transformation input</b>	3 843	4 832	5 007	4 802	4 982	5 008	4 608	4 779	5 255	
Electricity & heat generation	3 093	3 586	3 644	3 390	3 847	3 567	3 058	3 309	3 525	
Refinery intake	0	0	0	0	0	0	0	0	0	
Coke ovens	40	22	20	21	22	27	9	11	16	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	2 147	2 554	2 518	2 498	2 550	2 531	2 423	2 509	2 890	
Electricity & heat generation	1 517	1 725	1 655	1 613	1 691	1 591	1 402	1 619	1 689	
Refinery output	0	0	0	0	0	0	0	0	0	
Coke ovens	25	15	16	17	15	17	5	9	13	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	194	200	229	233	257	242	229	270	217	
<b>Distribution losses</b>	179	157	139	160	156	150	130	140	150	
<b>Available for final consumption</b>	3 153	2 988	2 763	2 746	3 244	2 888	2 833	3 266	2 973	
Solid fossil fuels	34	38	45	41	40	48	17	18	21	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	10	0	6	5	8	8	3	2	0	
Oil shale & oil sands	192	72	-31	-105	293	58	45	448	64	
Gas/Diesel Oil (w/o bio)	573	597	637	661	653	661	683	676	680	
Motor Gasoline (w/o bio)	307	289	268	259	242	245	243	261	273	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	7	9	8	11	10	10	14	23	27	
All other oil & petroleum products	136	100	81	74	92	102	89	63	74	
Natural gas	380	207	204	229	319	224	222	252	236	
Primary solid biofuels & charcoal	447	550	497	478	472	472	477	404	461	
Liquid biofuels	0	0	4	4	3	6	3	3	1	
All other renewable energies	1	1	1	1	2	5	4	5	8	
Non-renewable wastes	0	0	0	0	58	17	12	13	19	
Electricity	519	594	570	600	586	594	589	614	621	
Heat	547	532	475	491	466	439	431	485	488	
<b>Statistical difference</b>	102	29	-106	-177	237	6	-6	381	47	
<b>Final non-energy consumption</b>	223	90	69	90	165	113	105	102	121	
<b>Final energy consumption</b>	2 829	2 869	2 800	2 832	2 841	2 769	2 734	2 783	2 806	
Industry	719	575	607	573	644	555	524	453	456	
Transport	725	748	747	755	735	738	755	777	803	
Other sectors	1 384	1 546	1 446	1 505	1 462	1 477	1 455	1 553	1 547	
Services	389	424	402	424	418	458	465	494	471	
Households	889	1 027	935	971	934	888	857	931	942	
<b>Europe 2020-2030 indicators</b>	2005	2010	2011	2012	2013	2014	2015	2016	2017	
Gross inland consumption	5 273	5 657	5 666	5 502	6 136	5 806	5 427	5 992	5 764	
Primary energy consumption	5 050	5 567	5 597	5 412	5 970	5 693	5 322	5 890	5 644	
Final energy consumption	2 880	2 903	2 845	2 892	2 889	2 817	2 784	2 828	2 865	

Source: Eurostat (nrg\_bal\_c)

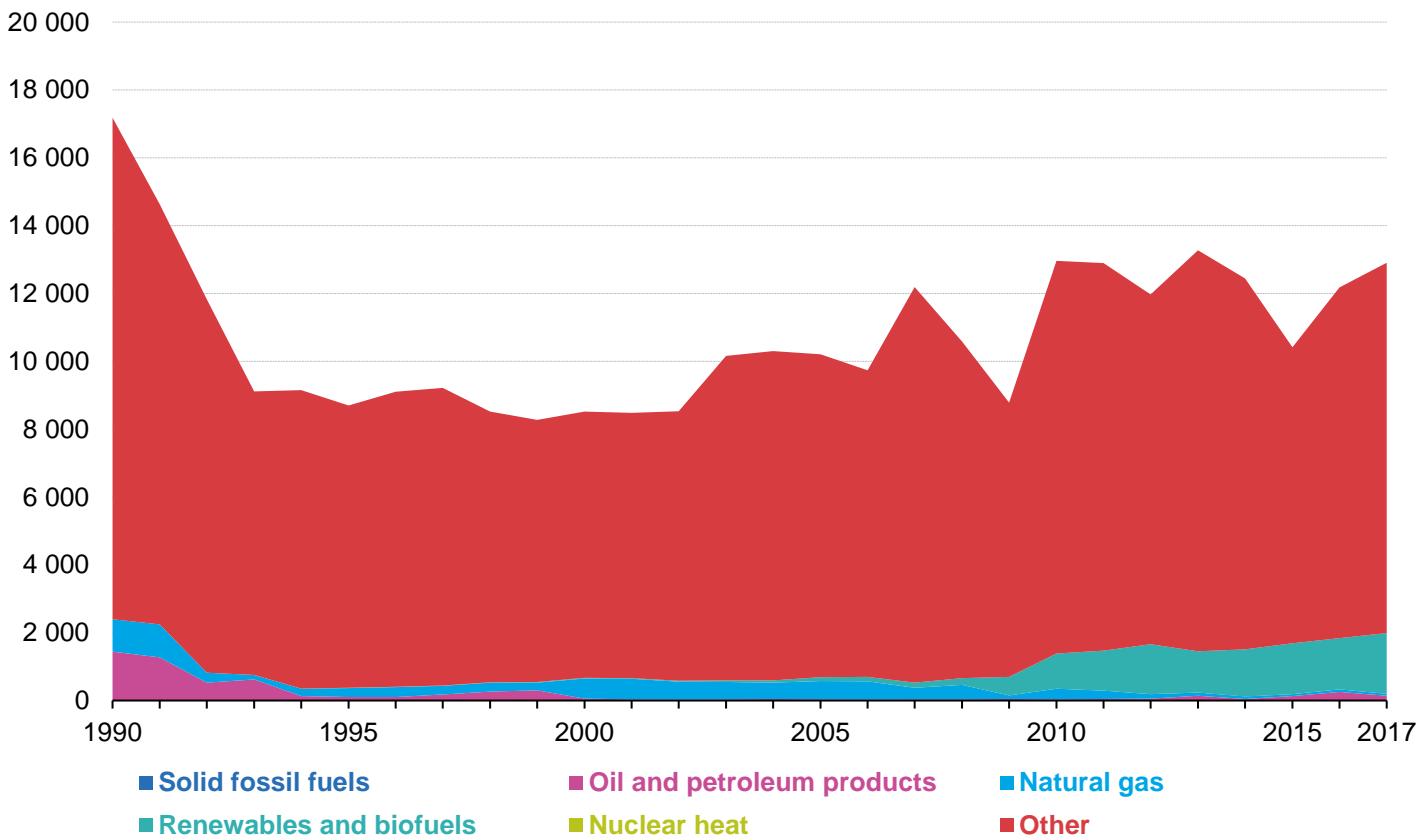
# Estonia

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

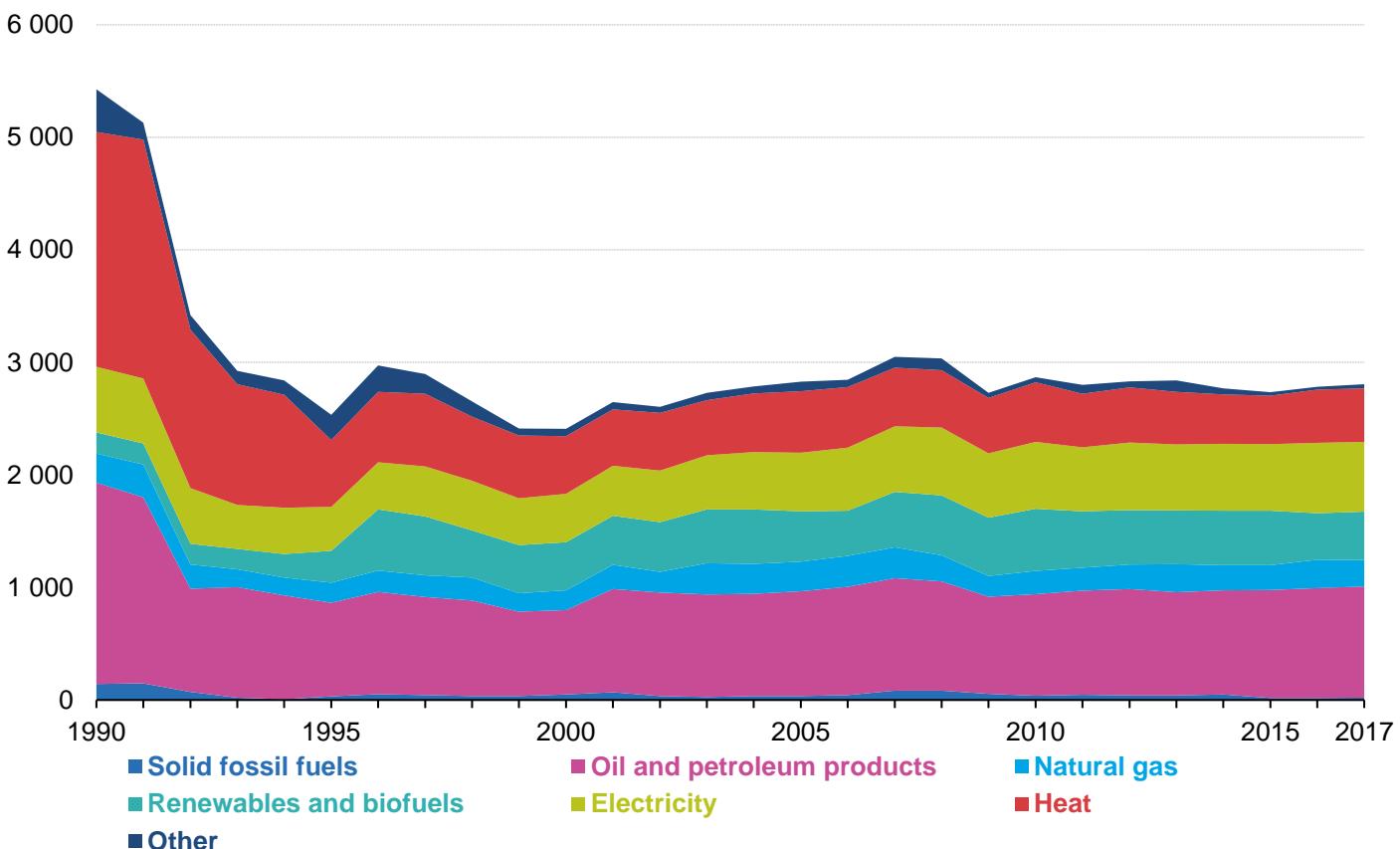


Source: Eurostat (nrg\_bal\_c)

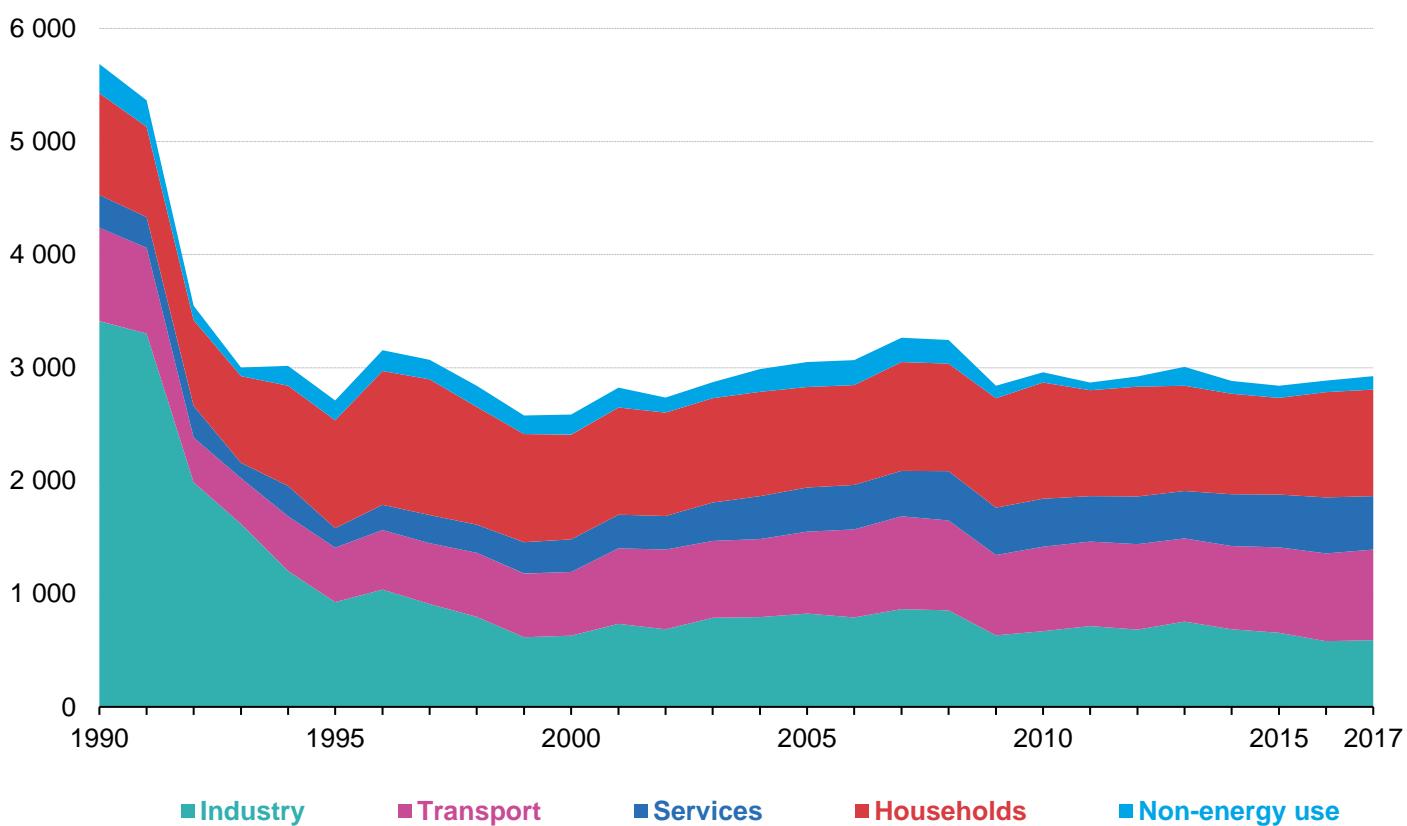
Note: Please refer to page 23 for related methodological definitions.

# Estonia

## Final energy consumption by fuel, ktoe



## Final consumption by sector, ktoe



Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

Ireland		Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017												
+ Primary production	4 860.7	0.0	Z	743.9	0.0	0.0	2 848.2	1 142.2	126.4	0.0	Z	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z
+ Imports	12 304.4	1 229.9	0.0	0.0	0.0	9 400.5	1 409.4	168.6	0.0	Z	0.0	96.0	
- Exports	2 364.1	9.6	0.0	5.5	0.0	2 194.4	0.0	0.2	0.0	Z	0.0	154.3	
+ Change in stock	3.9	-121.4	0.0	-65.1	0.0	127.3	55.0	8.2	0.0	Z	Z	Z	Z
= Gross available energy	<b>14 804.9</b>	<b>1 098.9</b>	<b>0.0</b>	<b>673.3</b>	<b>0.0</b>	<b>7 333.4</b>	<b>4 312.6</b>	<b>1 318.7</b>	<b>126.4</b>	<b>0.0</b>	<b>0.0</b>	<b>-58.3</b>	
- International maritime bunkers	150.4	0.0	0.0	0.0	0.0	150.4	0.0	0.0	Z	Z	Z	Z	Z
= Gross inland consumption	<b>14 654.5</b>	<b>1 098.9</b>	<b>0.0</b>	<b>673.3</b>	<b>0.0</b>	<b>7 183.0</b>	<b>4 312.6</b>	<b>1 318.7</b>	<b>126.4</b>	<b>0.0</b>	<b>0.0</b>	<b>-58.3</b>	
- International aviation	1 017.5	Z	Z	Z	Z	1 017.5	Z	0.0	Z	Z	Z	Z	Z
= Total energy supply	<b>13 637.0</b>	<b>1 098.9</b>	<b>0.0</b>	<b>673.3</b>	<b>0.0</b>	<b>6 165.5</b>	<b>4 312.6</b>	<b>1 318.7</b>	<b>126.4</b>	<b>0.0</b>	<b>0.0</b>	<b>-58.3</b>	
<b>Transformation input</b>	<b>8 684.5</b>	<b>867.6</b>	<b>0.0</b>	<b>613.8</b>	<b>0.0</b>	<b>3 654.0</b>	<b>2 472.5</b>	<b>985.9</b>	<b>56.4</b>	<b>0.0</b>	<b>0.0</b>	<b>34.3</b>	
+ Electricity & heat generation	4 800.9	867.6	0.0	505.7	0.0	34.6	2 418.6	883.8	56.4	0.0	0.0	34.3	
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	3 619.4	Z	Z	Z	Z	3 619.4	Z	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z	Z
+ BKB & PB plants	108.1	0.0	0.0	108.1	0.0	Z	Z	0.0	0.0	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	102.1	Z	Z	Z	Z	Z	Z	102.1	Z	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	54.0	0.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>	<b>6 517.9</b>	<b>0.0</b>	<b>0.0</b>	<b>75.1</b>	<b>Z</b>	<b>3 686.3</b>	<b>0.0</b>	<b>102.1</b>	<b>Z</b>	<b>Z</b>	<b>0.0</b>	<b>2 654.4</b>	
+ Electricity & heat generation	2 654.4	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	2 654.4	
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	3 641.2	Z	Z	Z	Z	3 641.2	Z	0.0	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	75.1	0.0	Z	75.1	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	102.1	Z	Z	Z	Z	Z	Z	102.1	Z	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	45.1	Z	Z	Z	Z	Z	Z	45.1	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>232.4</b>	<b>0.0</b>	<b>0.0</b>	<b>20.0</b>	<b>0.0</b>	<b>135.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>77.5</b>		
+ Own use in electricity & heat genera	67.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	67.4	
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ BKB & PB plants	25.4	0.0	0.0	20.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	5.5
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Petroleum refineries (oil refineries)	138.8	0.0	0.0	0.0	0.0	0.0	135.0	0.0	0.0	0.0	Z	0.0	3.8
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Not elsewhere specified (energy)	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.8
<b>Distribution losses</b>	<b>236.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>49.6</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>187.1</b>	
<b>Available for final consumption</b>	<b>11 001.3</b>	<b>231.2</b>	<b>0.0</b>	<b>114.7</b>	<b>0.0</b>	<b>6 062.8</b>	<b>1 790.5</b>	<b>434.9</b>	<b>70.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 297.2</b>	
<b>Final non-energy consumption</b>	<b>243.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>243.8</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>	<b>10 741.5</b>	<b>233.0</b>	<b>0.0</b>	<b>188.7</b>	<b>0.0</b>	<b>5 783.2</b>	<b>1 799.7</b>	<b>444.3</b>	<b>70.0</b>	<b>Z</b>	<b>0.0</b>	<b>2 222.7</b>	
+ Industry	2 509.5	102.3	0.0	0.4	0.0	492.5	762.0	200.8	70.0	Z	0.0	881.7	
+ Iron & steel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Chemical & petrochemical	251.9	0.0	0.0	0.0	0.0	27.2	64.2	0.0	0.0	Z	0.0	160.5	
+ Non-ferrous metals	494.5	0.0	0.0	0.0	0.0	7.7	418.4	0.0	0.0	Z	0.0	68.5	
+ Non-metallic minerals	457.2	80.5	0.0	0.0	0.0	182.2	16.7	51.5	70.0	Z	0.0	56.2	
+ Transport equipment	24.9	0.0	0.0	0.0	0.0	4.4	1.8	0.0	0.0	Z	0.0	18.7	
+ Machinery	307.2	0.0	0.0	0.0	0.0	48.0	127.6	0.0	0.0	Z	0.0	131.6	
+ Mining & quarrying	108.3	0.0	0.0	0.0	0.0	33.1	11.8	0.0	0.0	Z	0.0	63.4	
+ Food, beverages & tobacco	472.3	21.3	0.0	0.4	0.0	135.0	104.0	23.1	0.0	Z	0.0	188.4	
+ Paper, pulp & printing	26.2	0.1	0.0	0.0	0.0	2.1	3.3	0.0	0.0	Z	0.0	20.7	
+ Wood & wood products	168.1	0.0	0.0	0.0	0.0	2.1	2.0	126.1	0.0	Z	0.0	37.9	
+ Construction	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	6.3	
+ Textile & leather	15.5	0.0	0.0	0.0	0.0	3.1	1.1	0.0	0.0	Z	0.0	11.3	
+ Not elsewhere specified (industry)	177.2	0.3	0.0	0.0	0.0	47.7	10.8	0.0	0.0	Z	0.0	118.3	
+ Transport	4 043.0	0.0	0.0	0.0	0.0	3 863.1	0.0	175.4	0.0	Z	Z	4.5	
+ Rail	41.1	0.0	0.0	0.0	0.0	37.2	Z	0.0	0.0	Z	Z	3.9	
+ Road	3 922.8	Z	Z	Z	Z	3 746.8	0.0	175.4	0.0	Z	Z	0.6	
+ Domestic aviation	3.6	Z	Z	Z	Z	3.6	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation	75.5	0.0	0.0	0.0	0.0	75.5	Z	0.0	0.0	Z	Z	Z	
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0	
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	
+ Other	4 189.0	130.7	0.0	188.3	0.0	1 427.6	1 037.6	68.1	0.0	Z	0.0	1 336.5	
+ Commercial & public services	1 373.5	0.0	0.0	0.0	0.0	257.2	483.3	28.8	0.0	Z	0.0	604.2	
+ Households	2 579.2	130.7	0.0	188.3	0.0	982.1	554.4	39.3	0.0	Z	0.0	684.4	
+ Agriculture & forestry	213.5	0.0	0.0	0.0	0.0	165.5	0.0	0.0	0.0	Z	0.0	48.0	
+ Fishing	22.8	0.0	0.0	0.0	0.0	22.8	0.0	0.0	0.0	Z	0.0	0.0	
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
<b>Statistical differences</b>	<b>16.0</b>	<b>-1.7</b>	<b>0.0</b>	<b>-74.0</b>	<b>0.0</b>	<b>35.8</b>	<b>-9.2</b>	<b>-9.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>74.5</b>	
Gross electricity production	2 654.4	313.4	0.0	186.1	0.0	12.2	1 348.2	780.8	13.7	0.0	Z	Z	
Gross heat production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	

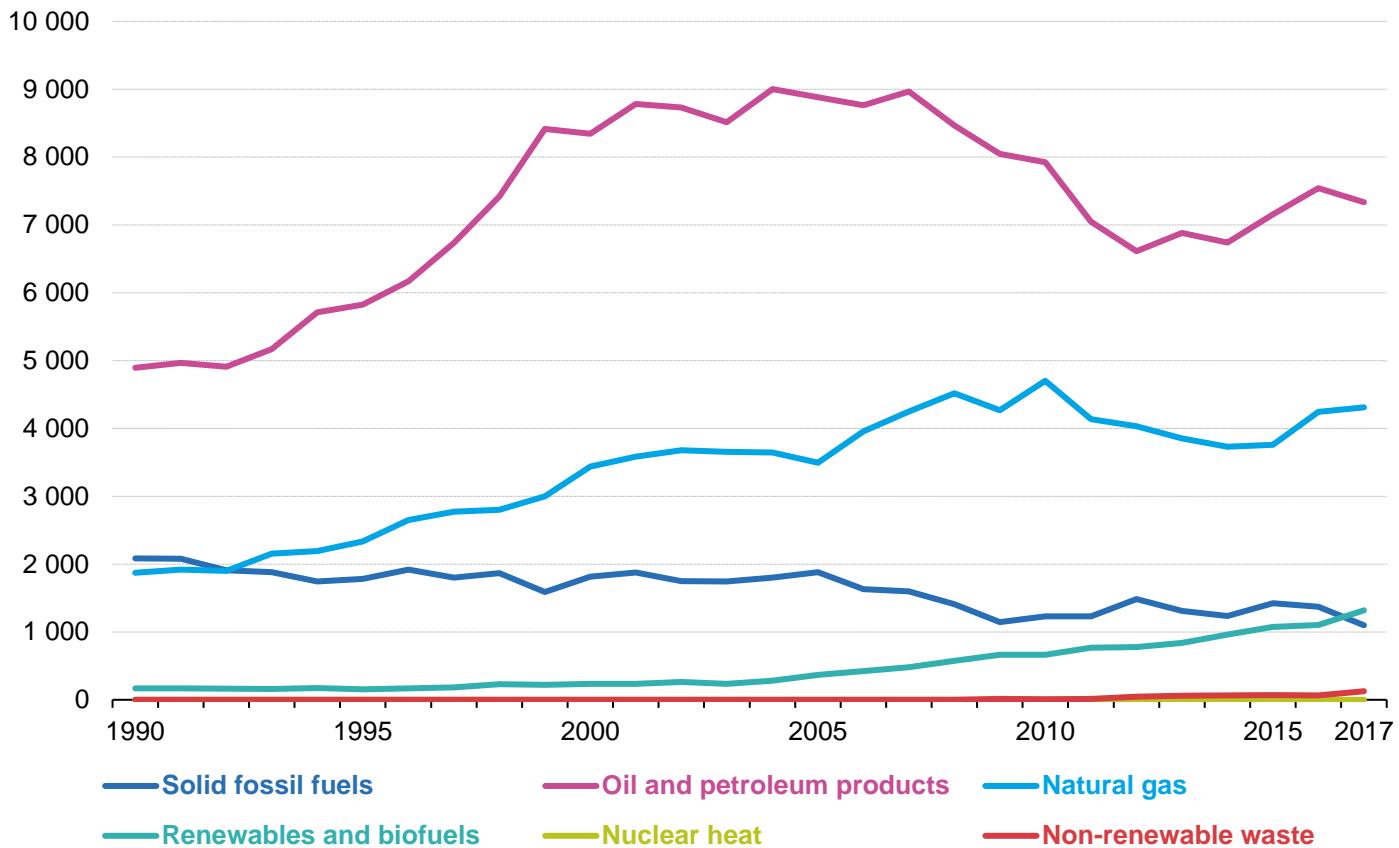
Source: Eurostat (nrg\_bal\_c)

Ireland	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	15 564	15 185	13 941	14 105	13 525	13 586	14 301	15 038	14 805	
Solid fossil fuels	1 882	1 231	1 232	1 485	1 311	1 233	1 426	1 370	1 099	
Peat & peat products	762	616	704	1 115	386	672	762	773	673	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	3 385	2 971	3 006	3 125	2 875	2 805	3 441	3 270	3 253	
Petroleum products	5 497	4 952	4 039	3 489	4 005	3 934	3 713	4 270	4 081	
Natural gas	3 495	4 702	4 137	4 031	3 853	3 732	3 759	4 247	4 313	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	366	663	767	778	841	960	1 074	1 103	1 319	
Non-renewable wastes	0	9	14	46	61	66	69	67	126	
<b>Primary production</b>	1 697	1 874	1 705	1 272	2 308	2 033	1 934	4 204	4 861	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	845	1 011	774	321	1 327	982	769	679	744	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	487	234	196	179	165	132	113	2 488	2 848	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	366	620	721	726	755	852	983	970	1 142	
Non-renewable wastes	0	9	14	46	61	66	69	67	126	
<b>Net imports</b>	13 951	13 234	12 609	11 819	12 408	11 717	12 712	10 390	9 940	
Solid fossil fuels	1 897	956	1 409	1 330	1 473	1 205	1 469	1 146	1 220	
Crude oil	3 342	3 019	3 038	3 005	2 999	2 762	3 724	3 269	2 984	
Gas/Diesel Oil (w/o bio)	2 083	1 908	2 048	1 967	2 194	2 286	2 297	2 616	2 690	
Motor Gasoline (w/o bio)	888	1 079	949	646	710	660	491	480	422	
Naphtha	-17	-23	-21	-5	-32	-17	-26	-75	-101	
LPG	112	90	66	51	74	77	106	118	122	
All other oil & petroleum products	2 470	1 651	1 088	904	1 007	864	890	1 062	1 089	
Natural gas	3 010	4 480	3 954	3 838	3 710	3 592	3 621	1 700	1 409	
<b>Transformation input</b>	8 850	8 531	7 957	8 269	7 789	7 613	8 548	8 701	8 684	
Electricity & heat generation	5 006	4 931	4 473	4 634	4 270	4 230	4 494	4 863	4 801	
Refinery intake	3 386	2 971	3 032	3 143	2 915	2 826	3 457	3 307	3 265	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	5 885	5 982	5 739	5 914	5 649	5 542	6 469	6 388	6 518	
Electricity & heat generation	2 233	2 438	2 336	2 352	2 229	2 243	2 441	2 624	2 654	
Refinery output	3 227	2 964	2 995	3 110	2 870	2 789	3 461	3 274	3 286	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	287	236	212	241	232	218	223	232	232	
<b>Distribution losses</b>	266	267	254	245	250	250	252	235	237	
<b>Available for final consumption</b>	11 125	11 306	10 467	10 584	10 129	10 176	10 749	11 240	11 001	
Solid fossil fuels	459	364	319	325	341	291	299	268	231	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	183	27	146	472	-221	45	154	180	115	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	2 907	3 089	2 995	3 102	3 275	3 225	3 436	3 738	3 738	
Motor Gasoline (w/o bio)	1 704	1 456	1 430	1 178	1 208	1 164	1 117	1 028	901	
Naphtha	-11	0	0	0	0	0	0	0	1	
LPG	164	152	140	133	142	143	157	163	175	
All other oil & petroleum products	2 095	2 163	1 543	1 370	1 329	1 175	1 273	1 407	1 248	
Natural gas	1 366	1 575	1 514	1 634	1 627	1 633	1 747	1 805	1 790	
Primary solid biofuels & charcoal	178	180	165	154	167	194	185	182	190	
Liquid biofuels	1	93	58	60	73	90	88	114	173	
All other renewable energies	7	22	29	38	40	45	51	59	72	
Non-renewable wastes	0	9	14	27	39	42	44	42	70	
Electricity	2 072	2 176	2 116	2 091	2 111	2 129	2 197	2 252	2 297	
Heat	0	0	0	0	0	0	0	0	0	
<b>Statistical difference</b>	-1 229	-305	-92	214	-308	-115	160	246	16	
<b>Final non-energy consumption</b>	516	342	306	281	294	208	216	267	244	
<b>Final energy consumption</b>	11 838	11 269	10 252	10 089	10 144	10 082	10 372	10 727	10 741	
Industry	2 596	2 145	2 231	2 193	2 185	2 240	2 385	2 438	2 510	
Transport	4 316	4 036	3 675	3 584	3 625	3 799	3 785	4 082	4 043	
Other sectors	4 927	5 088	4 346	4 313	4 333	4 043	4 202	4 207	4 189	
Services	1 597	1 498	1 310	1 310	1 280	1 213	1 257	1 320	1 374	
Households	2 947	3 289	2 760	2 735	2 795	2 583	2 703	2 660	2 579	

Source: Eurostat (nrg\_bal\_c)

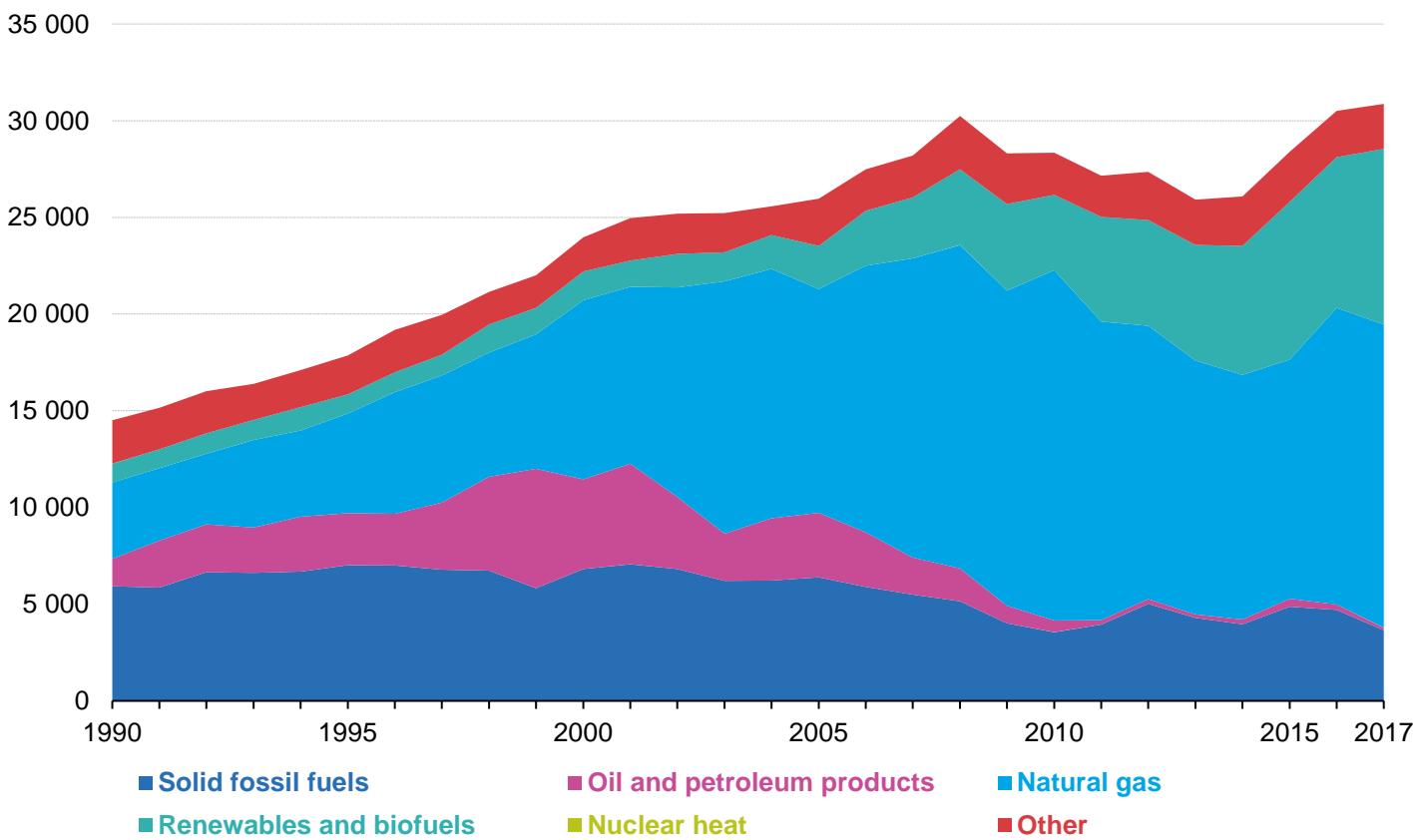
# Ireland

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

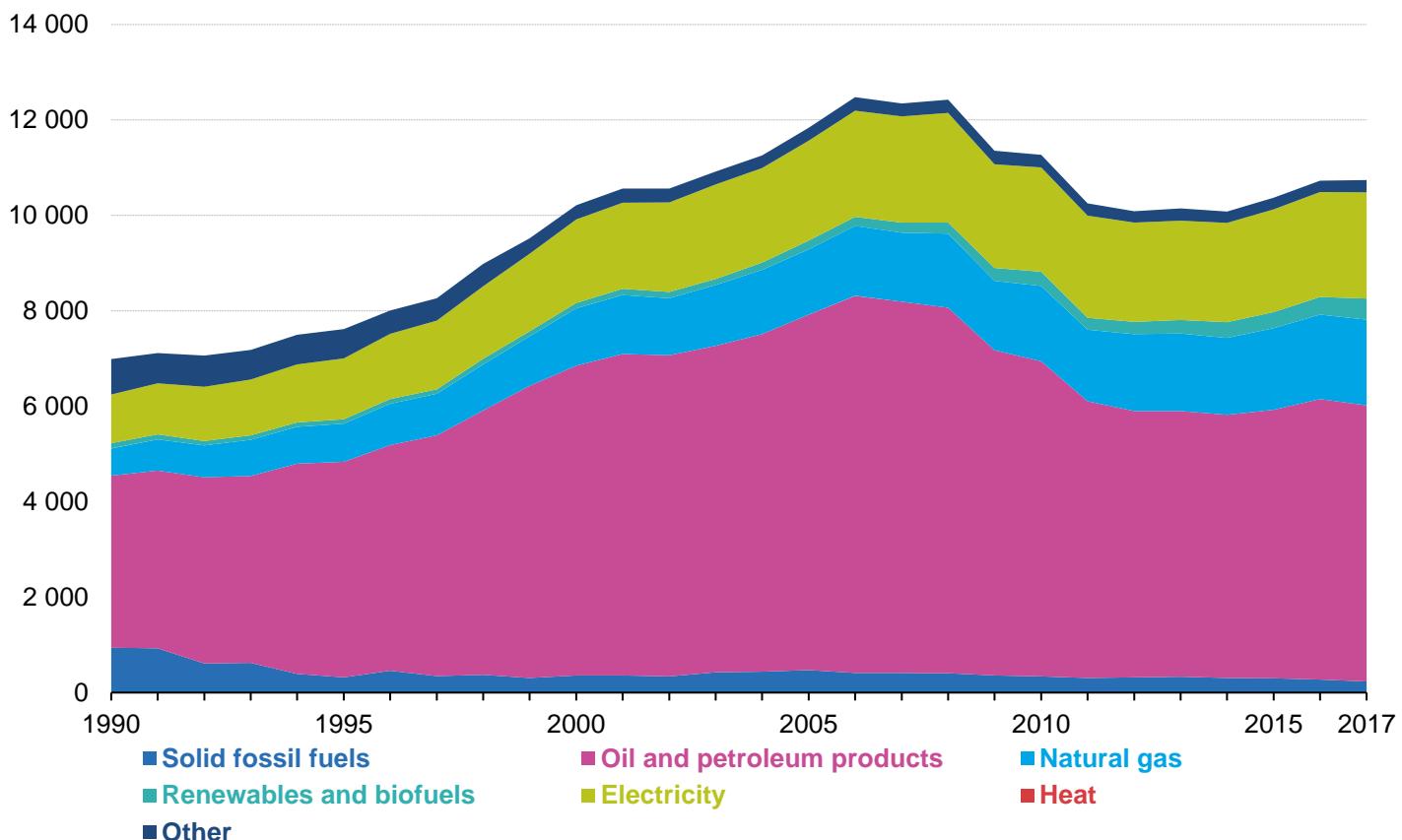


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

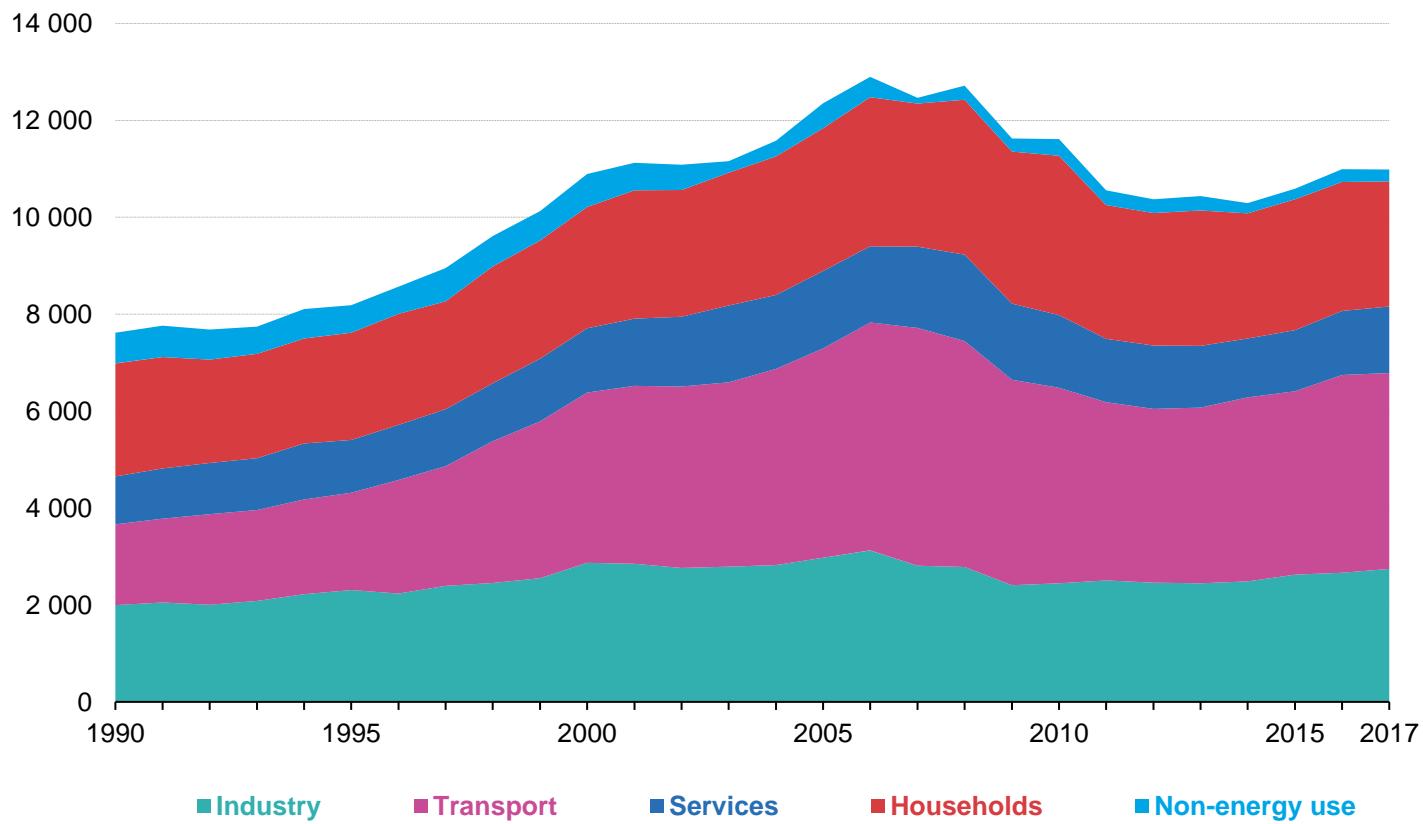
# Ireland

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Greece ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		7 500.9	4 567.3	Z	0.0	0.0	139.4	9.1	2 785.2	0.0	0.0	Z	Z
+ Recovered & recycled products		10.9	0.0	Z	0.0	0.0	10.9	Z	0.0	Z	Z	Z	Z
+ Imports		38 191.3	228.8	0.0	0.0	0.0	32 845.6	4 225.1	144.1	0.0	Z	0.0	747.7
- Exports		19 454.8	0.0	0.0	0.0	0.0	19 230.3	0.0	13.1	0.0	Z	0.0	211.4
+ Change in stock		117.0	20.6	0.0	0.0	0.0	127.6	-30.5	-0.7	0.0	Z	Z	Z
= Gross available energy		<b>26 365.2</b>	<b>4 816.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>13 893.2</b>	<b>4 203.7</b>	<b>2 915.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>536.3</b>
- International maritime bunkers		2 134.2	0.0	0.0	0.0	0.0	2 134.2	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>24 231.0</b>	<b>4 816.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11 759.0</b>	<b>4 203.7</b>	<b>2 915.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>536.3</b>
- International aviation		986.6	Z	Z	Z	Z	986.6	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>23 244.4</b>	<b>4 816.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10 772.5</b>	<b>4 203.7</b>	<b>2 915.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>536.3</b>
<b>Transformation input</b>		<b>44 419.6</b>	<b>4 600.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>35 764.3</b>	<b>2 614.5</b>	<b>1 430.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.5</b>
+ Electricity & heat generation		9 902.1	4 600.5	0.0	0.0	0.0	1 425.4	2 614.5	1 252.3	0.0	0.0	0.0	9.5
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		34 337.8	Z	Z	Z	Z	34 337.8	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		177.0	Z	Z	Z	Z	Z	Z	177.0	Z	Z	Z	Z
+ Charcoal production plants		1.6	Z	Z	Z	Z	Z	Z	1.6	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>		<b>40 045.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>35 070.0</b>	<b>0.0</b>	<b>172.2</b>	<b>Z</b>	<b>Z</b>	<b>51.1</b>	<b>4 752.0</b>
+ Electricity & heat generation		4 803.1	Z	Z	Z	Z	Z	Z	Z	Z	Z	51.1	4 752.0
+ Coke ovens		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		35 070.0	Z	Z	Z	Z	35 070.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		171.5	Z	Z	Z	Z	Z	Z	171.5	Z	Z	Z	Z
+ Charcoal production plants		0.7	Z	Z	Z	Z	Z	Z	0.7	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z
<b>Energy sector</b>		<b>2 016.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 459.6</b>	<b>12.6</b>	<b>1.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>543.6</b>
+ Own use in electricity & heat genera		403.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	Z	0.0	402.1
+ Coal mines		56.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	56.5
+ Oil & natural gas extraction plants		17.4	Z	Z	Z	Z	0.0	12.6	0.0	Z	Z	0.0	4.8
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces		0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		1 535.0	0.0	0.0	0.0	0.0	1 459.3	0.0	0.0	0.0	Z	0.0	75.7
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		4.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Z	0.0	4.5
<b>Distribution losses</b>		<b>104.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.4</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>94.7</b>	
<b>Available for final consumption</b>		<b>16 749.2</b>	<b>216.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8 618.6</b>	<b>1 567.1</b>	<b>1 655.8</b>	<b>0.0</b>	<b>0.0</b>	<b>51.1</b>	<b>4 640.5</b>
<b>Final non-energy consumption</b>		<b>818.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>462.5</b>	<b>355.7</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>		<b>16 054.2</b>	<b>195.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8 329.2</b>	<b>1 180.1</b>	<b>1 657.7</b>	<b>0.0</b>	<b>Z</b>	<b>51.1</b>	<b>4 640.5</b>
+ Industry		3 096.3	190.4	0.0	0.0	0.0	1 058.7	655.5	135.4	0.0	Z	0.0	1 056.2
+ Iron & steel		128.5	0.0	0.0	0.0	0.0	14.5	27.9	0.0	0.0	Z	0.0	86.1
+ Chemical & petrochemical		121.1	0.0	0.0	0.0	0.0	21.2	42.4	0.0	0.0	Z	0.0	57.5
+ Non-ferrous metals		869.8	153.6	0.0	0.0	0.0	7.8	315.3	0.0	0.0	Z	0.0	393.0
+ Non-metallic minerals		680.5	36.8	0.0	0.0	0.0	537.0	16.4	3.3	0.0	Z	0.0	87.0
+ Transport equipment		18.3	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	Z	0.0	4.6
+ Machinery		49.9	0.0	0.0	0.0	0.0	10.5	2.8	0.0	0.0	Z	0.0	36.5
+ Mining & quarrying		90.9	0.0	0.0	0.0	0.0	85.5	0.0	0.0	0.0	Z	0.0	5.4
+ Food, beverages & tobacco		423.6	0.0	0.0	0.0	0.0	161.3	60.3	112.8	0.0	Z	0.0	89.2
+ Paper, pulp & printing		48.4	0.0	0.0	0.0	0.0	15.8	11.5	3.0	0.0	Z	0.0	18.2
+ Wood & wood products		27.1	0.0	0.0	0.0	0.0	2.4	4.3	14.8	0.0	Z	0.0	5.7
+ Construction		165.2	0.0	0.0	0.0	0.0	110.4	12.1	0.0	0.0	Z	0.0	42.7
+ Textile & leather		38.0	0.0	0.0	0.0	0.0	7.2	11.1	0.0	0.0	Z	0.0	19.8
+ Not elsewhere specified (industry)		434.9	0.0	0.0	0.0	0.0	71.3	151.4	1.6	0.0	Z	0.0	210.6
+ Transport		5 815.3	0.0	0.0	0.0	0.0	5 620.5	12.8	165.8	0.0	Z	Z	16.2
+ Rail		55.5	0.0	0.0	0.0	0.0	39.7	Z	1.7	0.0	Z	Z	14.1
+ Road		4 992.1	Z	Z	Z	Z	4 813.7	12.8	163.6	0.0	Z	Z	2.1
+ Domestic aviation		195.2	Z	Z	Z	Z	195.2	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		570.6	0.0	0.0	0.0	0.0	570.1	Z	0.4	0.0	Z	Z	Z
+ Pipeline transport		0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)		2.0	0.0	0.0	0.0	0.0	1.9	0.0	0.1	0.0	Z	Z	0.0
+ Other		7 142.6	5.3	0.0	0.0	0.0	1 650.0	511.7	1 356.5	0.0	Z	51.1	3 568.1
+ Commercial & public services		2 191.7	0.0	0.0	0.0	0.0	123.4	150.7	263.0	0.0	Z	0.0	1 654.6
+ Households		4 413.3	4.4	0.0	0.0	0.0	1 246.1	360.7	1 063.4	0.0	Z	51.1	1 687.7
+ Agriculture & forestry		291.2	0.5	0.0	0.0	0.0	34.5	0.4	30.0	0.0	Z	0.0	225.8
+ Fishing		12.4	0.0	0.0	0.0	0.0	12.3	0.0	0.1	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)		234.0	0.4	0.0	0.0	0.0	233.7	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>		<b>-123.2</b>	<b>20.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-173.1</b>	<b>31.3</b>	<b>-1.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production		4 752.0	1 613.5	0.0	0.0	0.0	473.8	1 471.5	1 193.3	0.0	0.0	Z	Z
Gross heat production		51.1	50.7	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

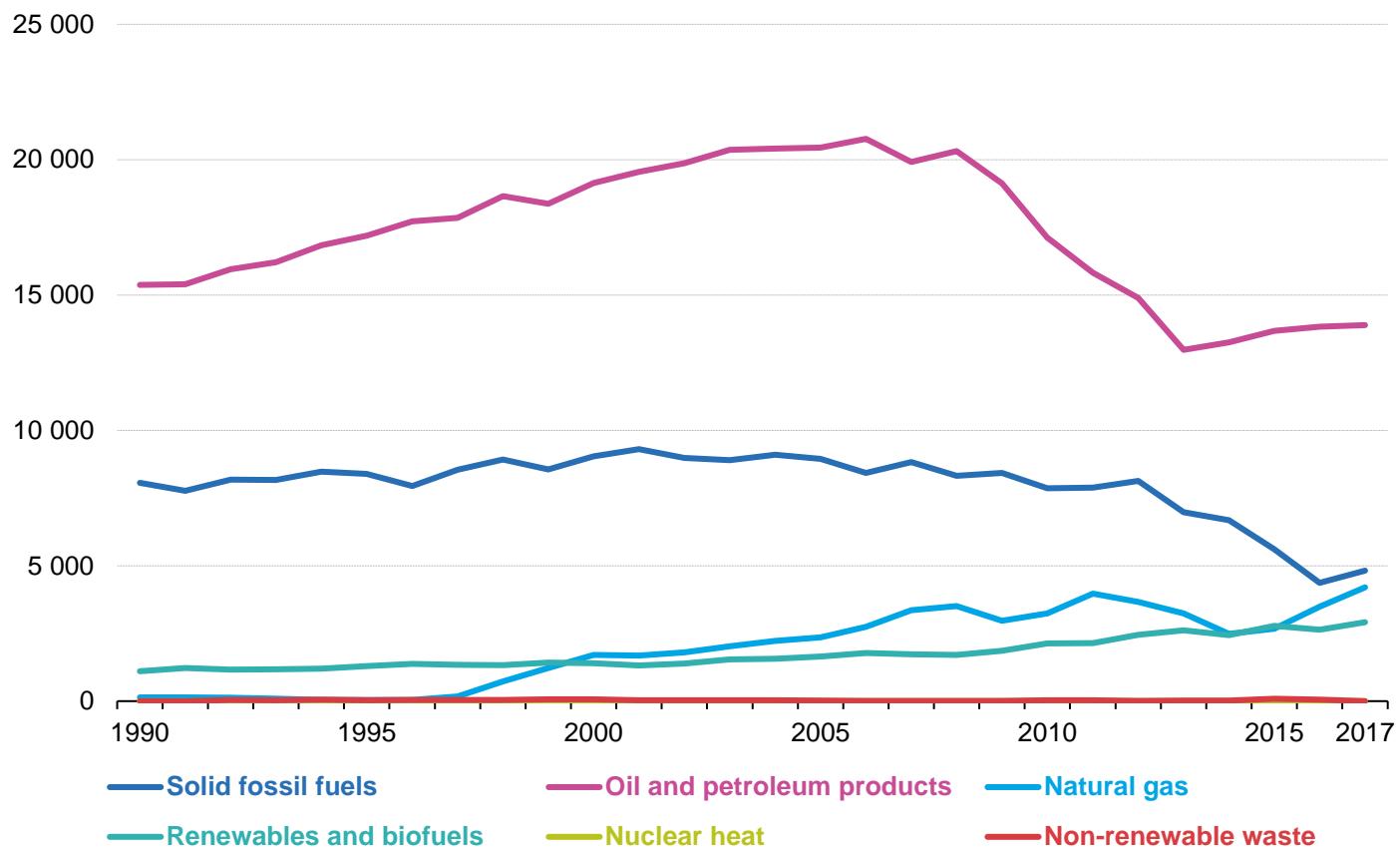
eurostat ■ Energy balance sheets — 2017 data

Greece	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	33 748	30 868	30 125	29 308	25 992	25 648	25 649	25 150	26 365	
Solid fossil fuels	8 952	7 863	7 887	8 135	6 981	6 687	5 606	4 369	4 817	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	19 882	20 527	17 988	22 098	23 293	25 428	26 030	27 627	29 077	
Petroleum products	567	-3 410	-2 168	-7 205	-10 318	-12 175	-12 357	-13 792	-15 184	
Natural gas	2 354	3 235	3 972	3 662	3 236	2 484	2 677	3 490	4 204	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	1 643	2 131	2 140	2 449	2 616	2 444	2 777	2 640	2 915	
Non-renewable wastes	25	32	28	15	21	21	89	60	0	
<b>Primary production</b>	10 323	9 443	9 628	10 425	9 311	8 803	8 471	6 720	7 501	
Solid fossil fuels	8 538	7 315	7 505	8 045	6 728	6 384	5 675	3 973	4 567	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	99	113	97	93	69	63	61	173	139	
Natural gas	18	8	6	7	6	5	5	10	9	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	1 643	1 974	1 992	2 266	2 487	2 329	2 641	2 505	2 785	
Non-renewable wastes	25	32	28	15	21	21	89	60	0	
<b>Net imports</b>	23 015	21 163	19 478	19 292	16 029	16 772	18 217	18 328	18 736	
Solid fossil fuels	371	401	232	185	225	194	159	190	229	
Crude oil	17 509	18 987	15 588	20 379	18 994	20 450	21 669	22 950	23 145	
Gas/Diesel Oil (w/o bio)	2 339	-501	-186	-3 407	-4 439	-5 746	-5 655	-6 334	-6 075	
Motor Gasoline (w/o bio)	-252	-1 052	-864	-2 104	-1 770	-2 333	-2 387	-2 983	-3 798	
Naphtha	-200	-364	-354	-439	-838	-758	-971	-970	-478	
LPG	-280	-377	-204	-179	-151	-225	-124	-238	-292	
All other oil & petroleum products	870	190	867	845	482	1 851	1 896	1 355	1 113	
Natural gas	2 332	3 231	3 973	3 674	3 235	2 467	2 674	3 462	4 225	
<b>Transformation input</b>	35 592	35 282	32 271	38 489	36 338	39 534	40 120	41 621	44 420	
Electricity & heat generation	13 042	12 082	12 319	12 547	11 342	10 266	9 588	9 070	9 902	
Refinery intake	21 035	21 889	19 065	23 559	23 890	27 172	28 086	29 785	31 307	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	28 379	28 725	25 489	31 704	30 311	34 212	35 615	37 998	40 045	
Electricity & heat generation	5 210	4 981	5 165	5 287	4 956	4 389	4 510	4 732	4 803	
Refinery output	21 636	22 454	19 475	24 049	24 257	27 758	28 670	30 499	32 022	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	1 736	1 632	1 514	1 896	1 943	1 843	1 785	1 921	2 017	
<b>Distribution losses</b>	488	343	258	158	335	357	429	350	104	
<b>Available for final consumption</b>	20 644	18 944	18 078	17 562	14 893	15 483	16 324	16 659	16 749	
Solid fossil fuels	272	297	206	223	206	204	204	209	216	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	7 152	5 621	5 211	4 305	3 165	3 595	4 023	3 954	3 941	
Motor Gasoline (w/o bio)	4 148	3 962	3 396	3 183	2 780	2 614	2 551	2 522	2 447	
Naphtha	86	117	39	68	19	4	5	3	7	
LPG	403	335	360	447	463	499	532	554	560	
All other oil & petroleum products	2 369	1 704	1 447	1 930	1 453	1 736	1 752	2 232	1 663	
Natural gas	712	1 138	1 546	1 407	1 250	1 189	1 340	1 233	1 567	
Primary solid biofuels & charcoal	957	823	1 033	1 133	922	927	1 010	849	857	
Liquid biofuels	0	91	75	90	136	149	159	164	164	
All other renewable energies	119	244	259	258	262	260	268	271	634	
Non-renewable wastes	0	0	0	0	0	0	65	28	0	
Electricity	4 377	4 567	4 454	4 473	4 195	4 256	4 367	4 588	4 641	
Heat	49	46	54	45	42	50	50	51	51	
<b>Statistical difference</b>	-287	-447	-903	527	-366	35	-54	251	-123	
<b>Final non-energy consumption</b>	768	1 108	883	725	650	705	700	593	818	
<b>Final energy consumption</b>	20 164	18 282	18 099	16 310	14 608	14 743	15 678	15 815	16 054	
Industry	4 168	3 471	3 322	2 992	2 835	3 088	3 128	3 073	3 096	
Transport	7 374	7 443	6 678	5 588	5 609	5 635	5 753	5 897	5 815	
Other sectors	8 622	7 367	8 099	7 731	6 164	6 019	6 797	6 845	7 143	
Services	1 948	1 952	1 868	1 937	1 818	1 712	1 873	2 035	2 192	
Households	5 518	4 615	5 470	5 039	3 764	3 786	4 400	4 287	4 413	

Source: Eurostat (nrg\_bal\_c)

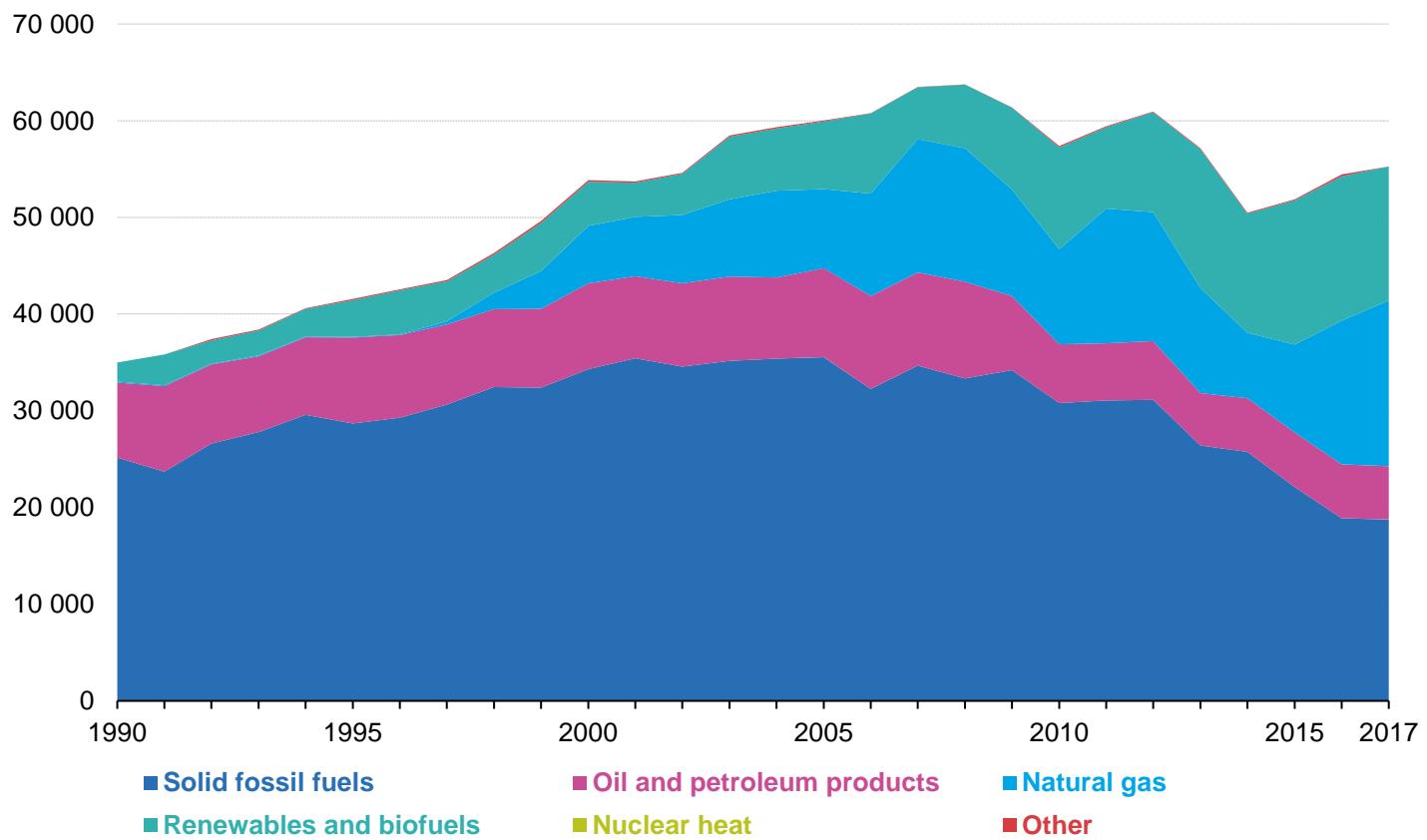
# Greece

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

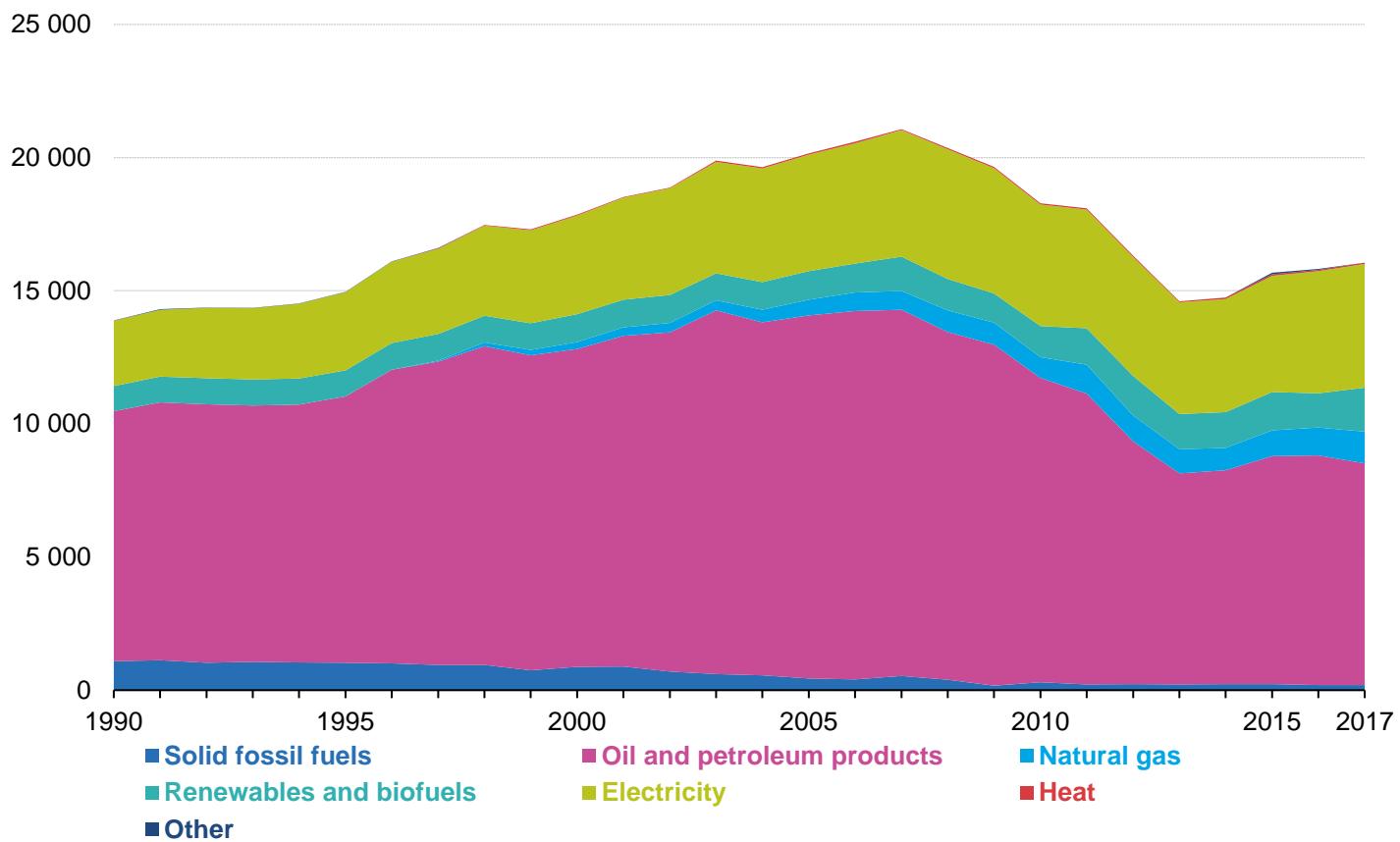


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

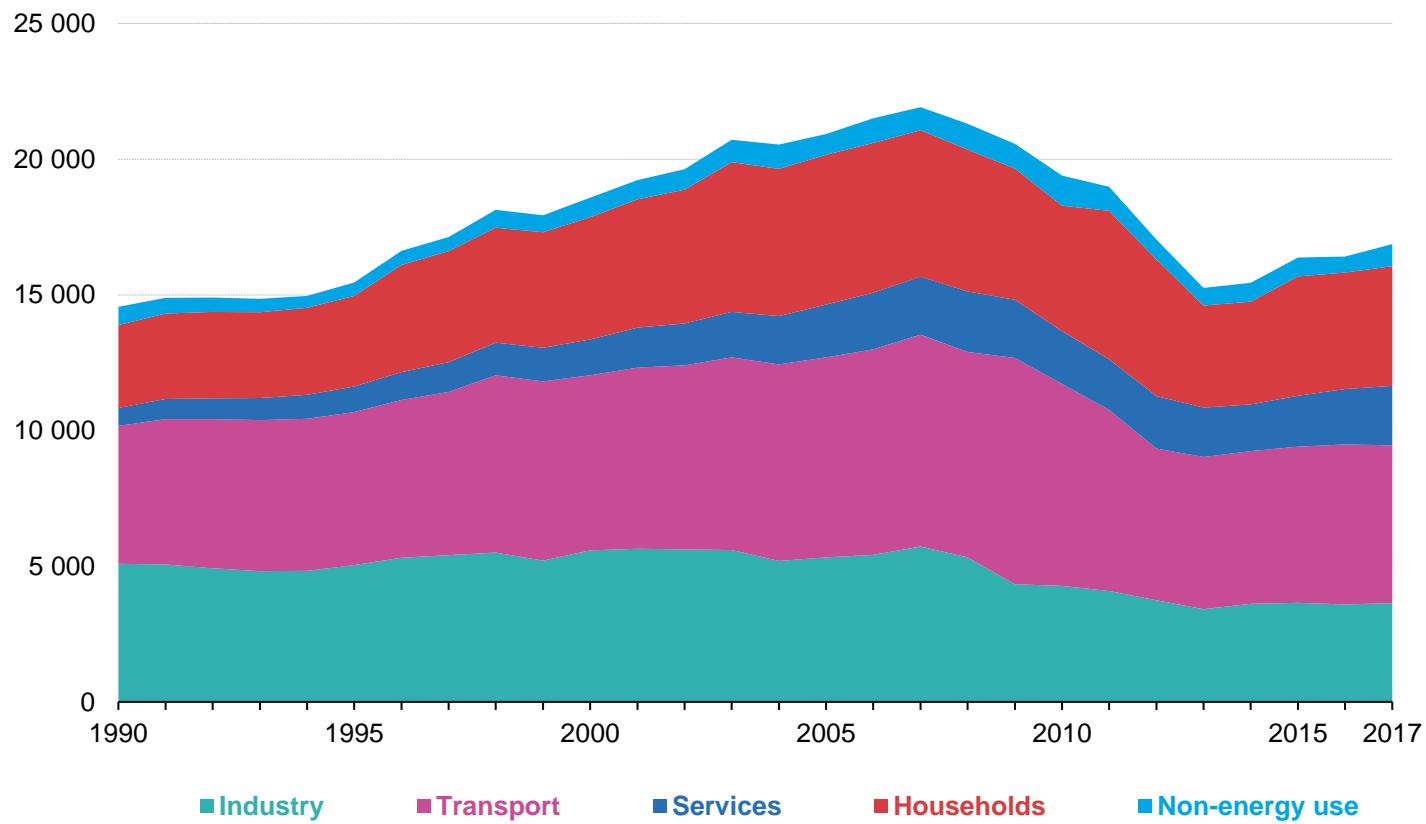
# Greece

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Spain ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		34 226.6	1 127.8	Z	0.0	0.0	122.3	23.8	17 561.5	259.7	15 131.5	Z	Z
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	0.0	Z
+ Imports		134 731.8	11 151.9	0.0	0.0	0.0	90 541.3	30 125.7	869.7	0.0	Z	0.0	2 043.2
- Exports		32 817.9	237.5	0.0	0.0	0.0	27 360.9	2 506.9	1 457.8	0.0	Z	0.0	1 254.8
+ Change in stock		1 688.0	705.0	0.0	0.0	0.0	1 254.6	-376.2	104.6	0.0	Z	Z	Z
= Gross available energy		<b>137 828.4</b>	<b>12 747.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>64 557.2</b>	<b>27 266.4</b>	<b>17 078.0</b>	<b>259.7</b>	<b>15 131.5</b>	<b>0.0</b>	<b>788.4</b>
- International maritime bunkers		6 681.0	0.0	0.0	0.0	0.0	6 681.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>131 147.4</b>	<b>12 747.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>57 876.2</b>	<b>27 266.4</b>	<b>17 078.0</b>	<b>259.7</b>	<b>15 131.5</b>	<b>0.0</b>	<b>788.4</b>
- International aviation		4 580.8	Z	Z	Z	Z	4 580.8	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>126 566.5</b>	<b>12 747.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>53 295.3</b>	<b>27 266.4</b>	<b>17 078.0</b>	<b>259.7</b>	<b>15 131.5</b>	<b>0.0</b>	<b>788.4</b>
<b>Transformation input</b>		<b>136 363.1</b>	<b>13 635.5</b>	<b>282.6</b>	<b>0.0</b>	<b>0.0</b>	<b>84 786.1</b>	<b>9 929.2</b>	<b>12 029.4</b>	<b>252.7</b>	<b>15 131.5</b>	<b>0.0</b>	<b>316.0</b>
+ Electricity & heat generation		50 598.9	10 829.5	282.6	0.0	0.0	3 240.0	9 929.2	10 617.3	252.7	15 131.5	0.0	316.0
+ Coke ovens		1 397.9	1 397.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		1 408.0	1 408.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		81 546.1	Z	Z	Z	Z	81 546.1	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		7.1	Z	0.0	Z	Z	0.0	Z	7.1	Z	Z	Z	Z
+ Liquid biofuels blended		1 273.4	Z	Z	Z	Z	Z	Z	1 273.4	Z	Z	Z	Z
+ Charcoal production plants		131.6	Z	Z	Z	Z	Z	Z	131.6	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>		<b>107 282.3</b>	<b>1 374.9</b>	<b>698.2</b>	<b>0.0</b>	<b>Z</b>	<b>80 500.1</b>	<b>7.1</b>	<b>993.8</b>	<b>Z</b>	<b>Z</b>	<b>0.0</b>	<b>23 708.2</b>
+ Electricity & heat generation		23 708.2	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	23 708.2
+ Coke ovens		1 609.8	1 374.9	234.9	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		463.3	0.0	463.3	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		80 500.1	Z	Z	Z	Z	80 500.1	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		7.1	Z	Z	Z	Z	Z	Z	7.1	Z	Z	Z	Z
+ Liquid biofuels blended		967.3	Z	Z	Z	Z	Z	Z	967.3	Z	Z	Z	Z
+ Charcoal production plants		26.5	Z	Z	Z	Z	Z	Z	26.5	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>9 754.6</b>	<b>20.1</b>	<b>140.3</b>	<b>0.0</b>	<b>0.0</b>	<b>4 923.6</b>	<b>3 113.7</b>	<b>0.1</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>1 556.8</b>
+ Own use in electricity & heat genera		929.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	Z	0.0	929.3
+ Coal mines		46.5	0.0	0.0	0.0	0.0	14.4	1.3	0.0	0.0	Z	0.0	30.8
+ Oil & natural gas extraction plants		74.6	Z	Z	Z	Z	3.1	0.0	0.0	Z	Z	0.0	71.5
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		161.3	20.1	140.3	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.9
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		8 047.9	0.0	0.0	0.0	0.0	4 906.1	2 857.5	0.0	0.0	Z	0.0	284.3
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		494.9	0.0	0.0	0.0	0.0	0.0	254.8	0.0	0.0	Z	0.0	240.1
<b>Distribution losses</b>		<b>2 483.5</b>	<b>0.0</b>	<b>38.6</b>	<b>0.0</b>	<b>0.0</b>	<b>117.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>2 327.9</b>	
<b>Available for final consumption</b>		<b>85 247.7</b>	<b>466.7</b>	<b>236.7</b>	<b>0.0</b>	<b>0.0</b>	<b>44 085.7</b>	<b>14 113.6</b>	<b>6 042.3</b>	<b>7.0</b>	<b>0.0</b>	<b>0.0</b>	<b>20 295.9</b>
<b>Final non-energy consumption</b>		<b>4 925.0</b>	<b>38.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4 449.2</b>	<b>437.1</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>		<b>79 397.4</b>	<b>649.5</b>	<b>236.7</b>	<b>0.0</b>	<b>0.0</b>	<b>38 805.8</b>	<b>13 485.8</b>	<b>6 043.2</b>	<b>7.0</b>	<b>Z</b>	<b>0.0</b>	<b>20 169.5</b>
+ Industry		18 973.8	531.7	236.7	0.0	0.0	2 878.0	6 884.6	1 611.3	0.0	Z	0.0	6 831.5
+ Iron & steel		2 532.3	375.1	236.7	0.0	0.0	75.5	629.9	0.0	0.0	Z	0.0	1 215.2
+ Chemical & petrochemical		2 925.1	113.9	0.0	0.0	0.0	114.5	1 878.8	5.1	0.0	Z	0.0	812.8
+ Non-ferrous metals		1 131.6	13.1	0.0	0.0	0.0	63.1	206.0	0.3	0.0	Z	0.0	849.1
+ Non-metallic minerals		3 375.6	8.6	0.0	0.0	0.0	1 389.9	1 223.7	226.9	0.0	Z	0.0	526.6
+ Transport equipment		575.6	0.0	0.0	0.0	0.0	30.5	165.3	0.3	0.0	Z	0.0	379.4
+ Machinery		741.4	0.0	0.0	0.0	0.0	105.9	218.4	1.0	0.0	Z	0.0	416.2
+ Mining & quarrying		484.0	0.0	0.0	0.0	0.0	164.5	150.9	1.3	0.0	Z	0.0	167.2
+ Food, beverages & tobacco		2 527.8	21.1	0.0	0.0	0.0	325.4	1 081.4	211.1	0.0	Z	0.0	888.8
+ Paper, pulp & printing		1 764.9	0.0	0.0	0.0	0.0	79.0	607.2	574.9	0.0	Z	0.0	503.9
+ Wood & wood products		627.8	0.0	0.0	0.0	0.0	22.2	153.1	318.2	0.0	Z	0.0	134.3
+ Construction		1 008.2	0.0	0.0	0.0	0.0	446.8	331.5	25.5	0.0	Z	0.0	204.5
+ Textile & leather		300.1	0.0	0.0	0.0	0.0	27.9	128.1	2.9	0.0	Z	0.0	141.1
+ Not elsewhere specified (industry)		801.5	0.0	0.0	0.0	0.0	32.8	110.3	65.9	0.0	Z	0.0	592.4
+ Transport		31 722.8	0.0	0.0	0.0	0.0	29 935.1	373.2	959.5	0.0	Z	0.0	454.9
+ Rail		393.0	0.0	0.0	0.0	0.0	79.1	Z	0.0	0.0	Z	0.0	313.9
+ Road		27 935.6	Z	Z	Z	Z	26 648.7	326.2	955.7	0.0	Z	0.0	5.0
+ Domestic aviation		2 162.5	Z	Z	Z	Z	2 162.5	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		958.1	0.0	0.0	0.0	0.0	957.4	Z	0.6	0.0	Z	Z	Z
+ Pipeline transport		0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)		273.6	0.0	0.0	0.0	0.0	87.4	47.0	3.2	0.0	Z	0.0	136.0
+ Other		28 700.8	117.8	0.0	0.0	0.0	5 992.7	6 228.1	3 472.3	7.0	Z	0.0	12 883.1
+ Commercial & public services		10 413.0	0.0	0.0	0.0	0.0	1 290.6	2 404.6	471.0	7.0	Z	0.0	6 239.8
+ Households		15 435.2	79.3	0.0	0.0	0.0	2 674.4	3 747.5	2 914.3	0.0	Z	0.0	6 019.7
+ Agriculture & forestry		2 404.2	0.0	0.0	0.0	0.0	1 754.8	75.6	76.9	0.0	Z	0.0	496.8
+ Fishing		245.0	0.0	0.0	0.0	0.0	241.7	0.0	3.3	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)		203.5	38.5	0.0	0.0	0.0	31.2	0.3	6.8	0.0	Z	0.0	126.7
<b>Statistical differences</b>		<b>925.2</b>	<b>-221.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>830.7</b>	<b>190.6</b>	<b>-0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>126.4</b>
Gross electricity production		23 700.3	3 880.2	105.1	0.0	0.0	1 355.6	5 506.2	7 796.4	66.4	4 990.5	Z	Z
Gross heat production		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0

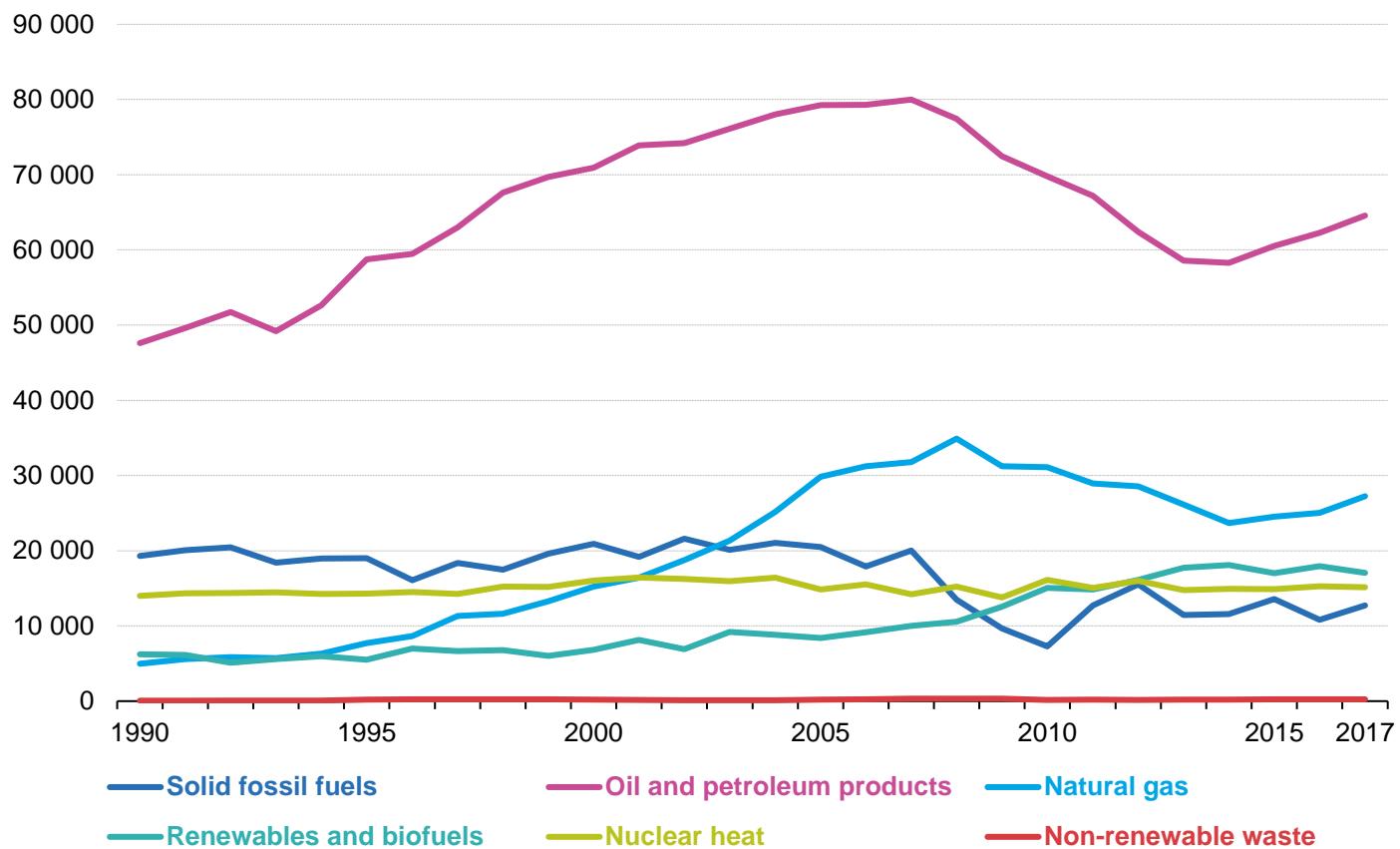
Source: Eurostat (nrg\_bal\_c)

Spain	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	152 911	138 852	138 404	137 828	128 347	126 460	130 824	132 223	137 828	
Solid fossil fuels	20 517	7 281	12 716	15 519	11 448	11 568	13 583	10 798	12 747	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	61 466	57 511	57 072	62 111	61 415	61 831	66 519	65 593	66 711	
Petroleum products	17 770	12 291	10 133	285	-2 826	-3 548	-5 990	-3 324	-2 154	
Natural gas	29 844	31 129	28 936	28 574	26 163	23 666	24 538	25 040	27 266	
Nuclear heat	14 842	16 135	15 045	15 991	14 785	14 931	14 903	15 273	15 132	
Renewable energies	8 398	15 047	14 830	16 135	17 744	18 100	17 031	17 948	17 078	
Non-renewable wastes	189	174	195	176	200	204	252	235	260	
<b>Primary production</b>	30 008	34 410	31 989	33 469	34 734	35 430	33 975	34 638	34 227	
Solid fossil fuels	6 265	3 296	2 649	2 461	1 763	1 628	1 246	736	1 128	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	169	125	102	145	375	311	236	144	122	
Natural gas	144	45	45	52	50	21	54	48	24	
Nuclear heat	14 842	16 135	15 045	15 991	14 785	14 931	14 903	15 273	15 132	
Renewable energies	8 398	14 635	13 953	14 646	17 562	18 335	17 284	18 202	17 561	
Non-renewable wastes	189	174	195	176	200	204	252	235	260	
<b>Net imports</b>	124 766	107 129	105 425	100 569	90 075	91 998	95 423	94 527	101 914	
Solid fossil fuels	14 418	6 757	8 612	11 608	7 590	8 710	10 240	7 746	10 914	
Crude oil	60 677	53 460	53 140	59 926	58 973	60 178	65 958	65 393	67 214	
Gas/Diesel Oil (w/o bio)	12 730	9 914	6 335	518	-762	-1 301	-778	-605	-1 539	
Motor Gasoline (w/o bio)	-2 246	-3 449	-3 416	-3 489	-3 523	-3 370	-4 907	-4 531	-4 335	
Naphtha	940	978	1 486	58	701	796	923	711	1 686	
LPG	902	647	362	62	-81	246	435	1 108	828	
All other oil & petroleum products	7 212	8 168	9 159	3 310	1 742	2 694	186	-285	-674	
Natural gas	30 248	30 950	29 403	28 073	25 802	24 503	23 775	24 725	27 619	
<b>Transformation input</b>	127 329	122 347	123 182	131 960	125 157	125 745	133 647	131 197	136 363	
Electricity & heat generation	54 251	49 932	50 706	53 357	48 564	48 499	50 756	48 216	50 599	
Refinery intake	62 063	59 303	58 278	63 091	62 222	62 351	66 918	66 952	68 103	
Coke ovens	2 581	1 846	1 894	1 664	1 468	1 412	1 416	1 434	1 398	
Blast furnaces	1 516	1 212	1 221	1 103	1 500	1 311	1 410	1 281	1 408	
<b>Transformation output</b>	96 345	96 561	95 696	101 938	99 191	99 127	105 155	104 805	107 282	
Electricity & heat generation	25 287	25 927	25 266	25 585	24 560	23 968	24 154	23 626	23 708	
Refinery output	61 558	58 739	57 757	62 359	61 493	61 244	66 213	66 029	66 892	
Coke ovens	2 266	1 834	1 688	1 467	1 463	1 302	1 325	1 574	1 610	
Blast furnaces	434	400	439	408	446	491	568	531	463	
<b>Energy sector</b>	6 473	7 850	7 511	8 807	8 519	8 597	9 315	9 702	9 755	
<b>Distribution losses</b>	2 444	2 570	2 420	2 422	2 515	2 480	2 570	2 596	2 483	
<b>Available for final consumption</b>	101 915	91 104	88 646	84 487	80 440	77 207	79 004	81 813	85 248	
Solid fossil fuels	404	-188	868	987	480	-371	-91	648	467	
Manufactured gases	325	298	309	275	260	224	228	229	237	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	34 186	29 925	27 759	25 410	25 754	25 686	26 966	27 460	28 398	
Motor Gasoline (w/o bio)	7 624	5 614	5 210	4 874	4 628	4 525	4 568	4 789	4 966	
Naphtha	2 473	2 263	2 148	1 493	1 567	1 529	1 555	1 305	1 509	
LPG	2 519	2 060	1 851	1 767	1 745	1 836	2 088	2 754	2 572	
All other oil & petroleum products	10 949	10 175	9 756	7 960	5 649	4 276	4 666	4 919	6 641	
Natural gas	18 857	14 828	14 489	15 376	15 643	14 754	13 576	13 907	14 114	
Primary solid biofuels & charcoal	3 441	3 652	3 790	3 850	3 745	3 734	3 926	4 005	4 059	
Liquid biofuels	219	1 099	1 303	1 587	702	760	770	852	981	
All other renewable energies	91	279	302	321	409	737	794	890	1 003	
Non-renewable wastes	0	0	0	0	0	0	2	6	7	
Electricity	20 828	21 100	20 862	20 587	19 858	19 516	19 956	20 049	20 296	
Heat	0	0	0	0	0	0	0	0	0	
<b>Statistical difference</b>	-343	-1 163	-154	-3	-487	-1 875	-1 307	-1 169	925	
<b>Final non-energy consumption</b>	8 434	7 110	6 842	6 044	5 067	4 138	4 350	4 977	4 925	
<b>Final energy consumption</b>	93 824	85 157	81 957	78 446	75 859	74 943	75 961	78 005	79 397	
Industry	30 083	20 777	20 603	20 088	19 588	19 293	18 206	18 379	18 974	
Transport	36 824	33 877	32 058	29 298	28 059	28 223	29 518	30 643	31 723	
Other sectors	26 916	30 502	29 296	29 059	28 213	27 426	28 237	28 984	28 701	
Services	8 428	9 806	10 197	10 036	9 596	8 924	10 269	10 893	10 413	
Households	15 187	16 964	15 662	15 559	14 918	14 814	14 998	15 209	15 435	

Source: Eurostat (nrg\_bal\_c)

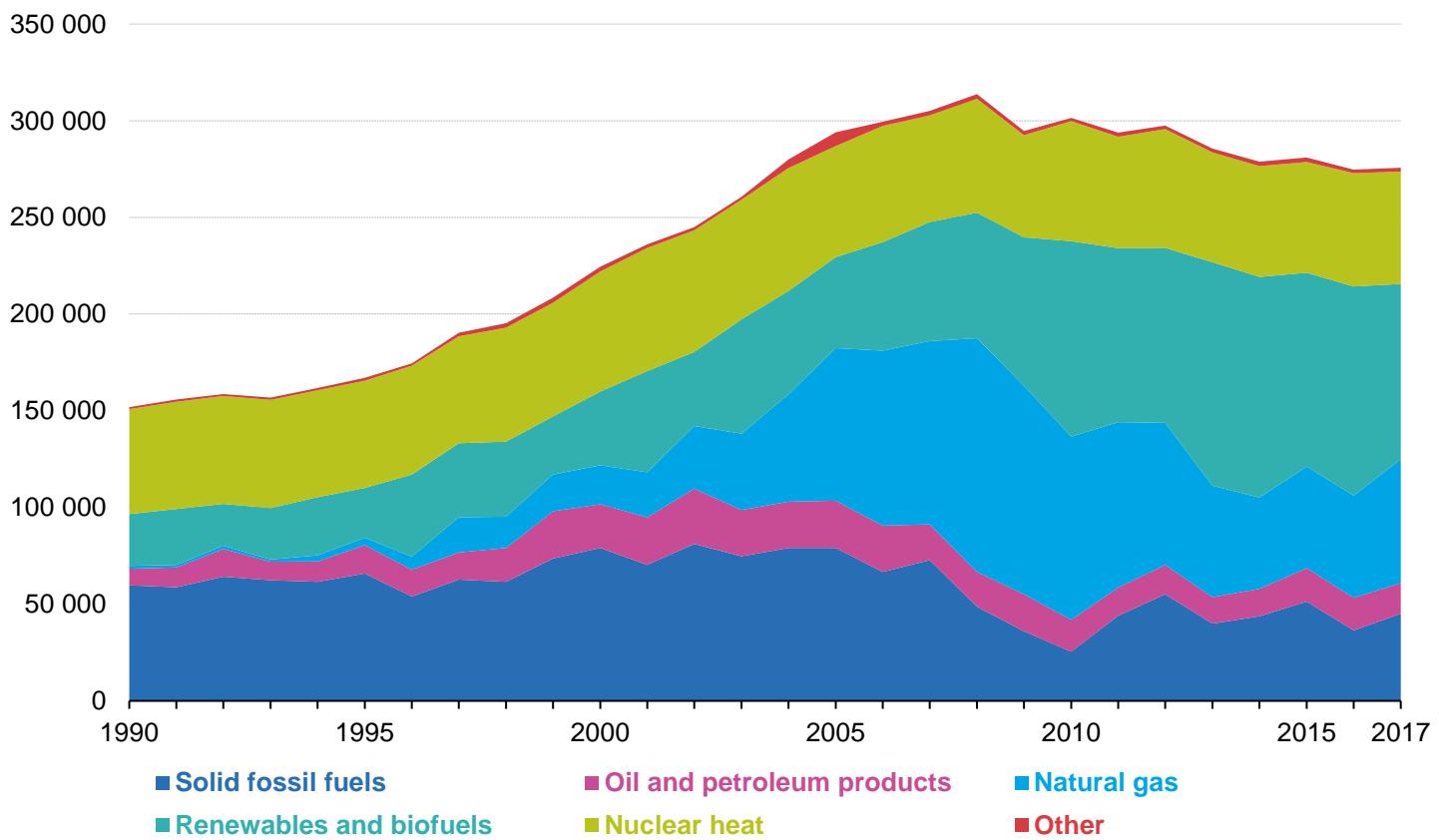
# Spain

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

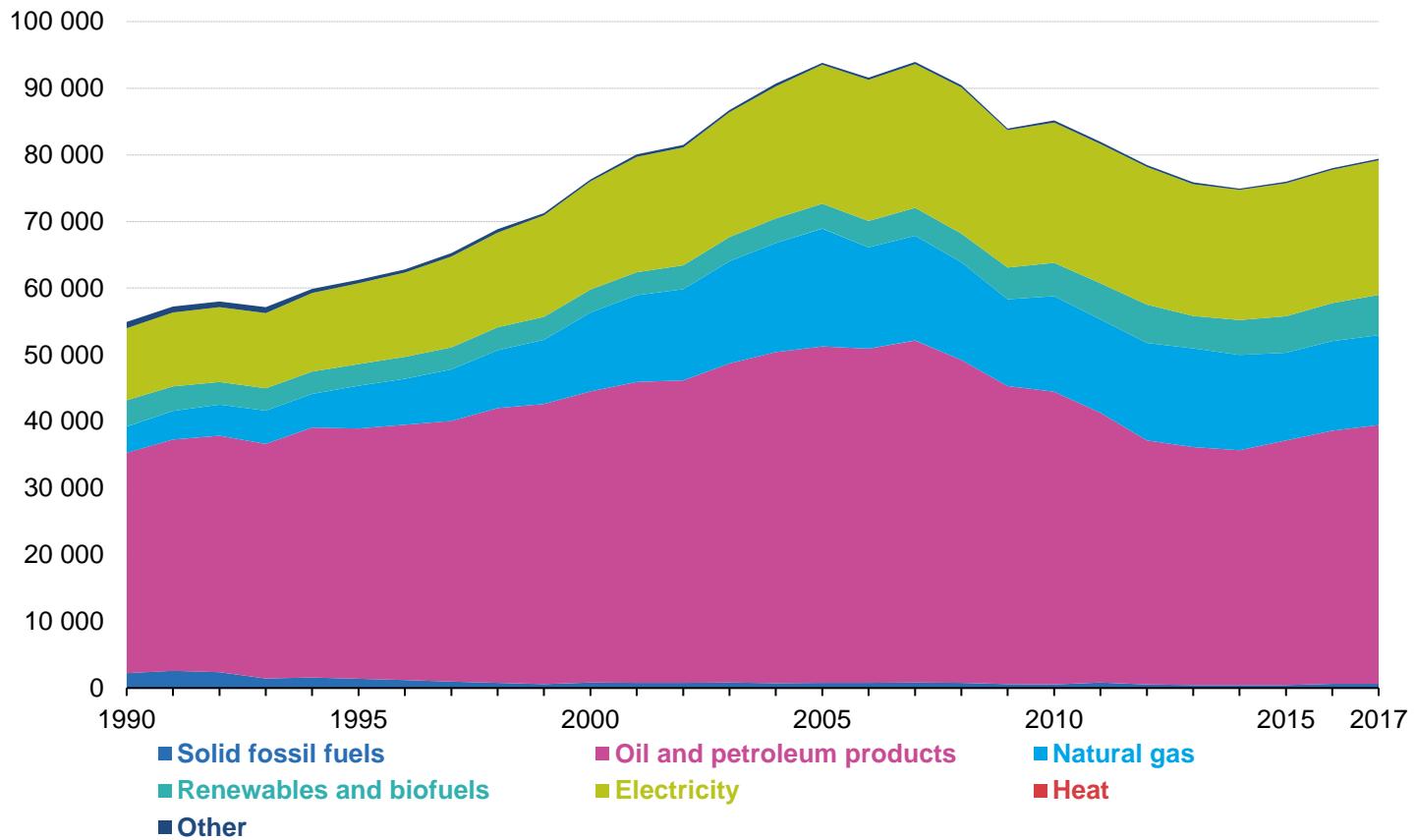


Source: Eurostat (*nrg\_bal\_c*)

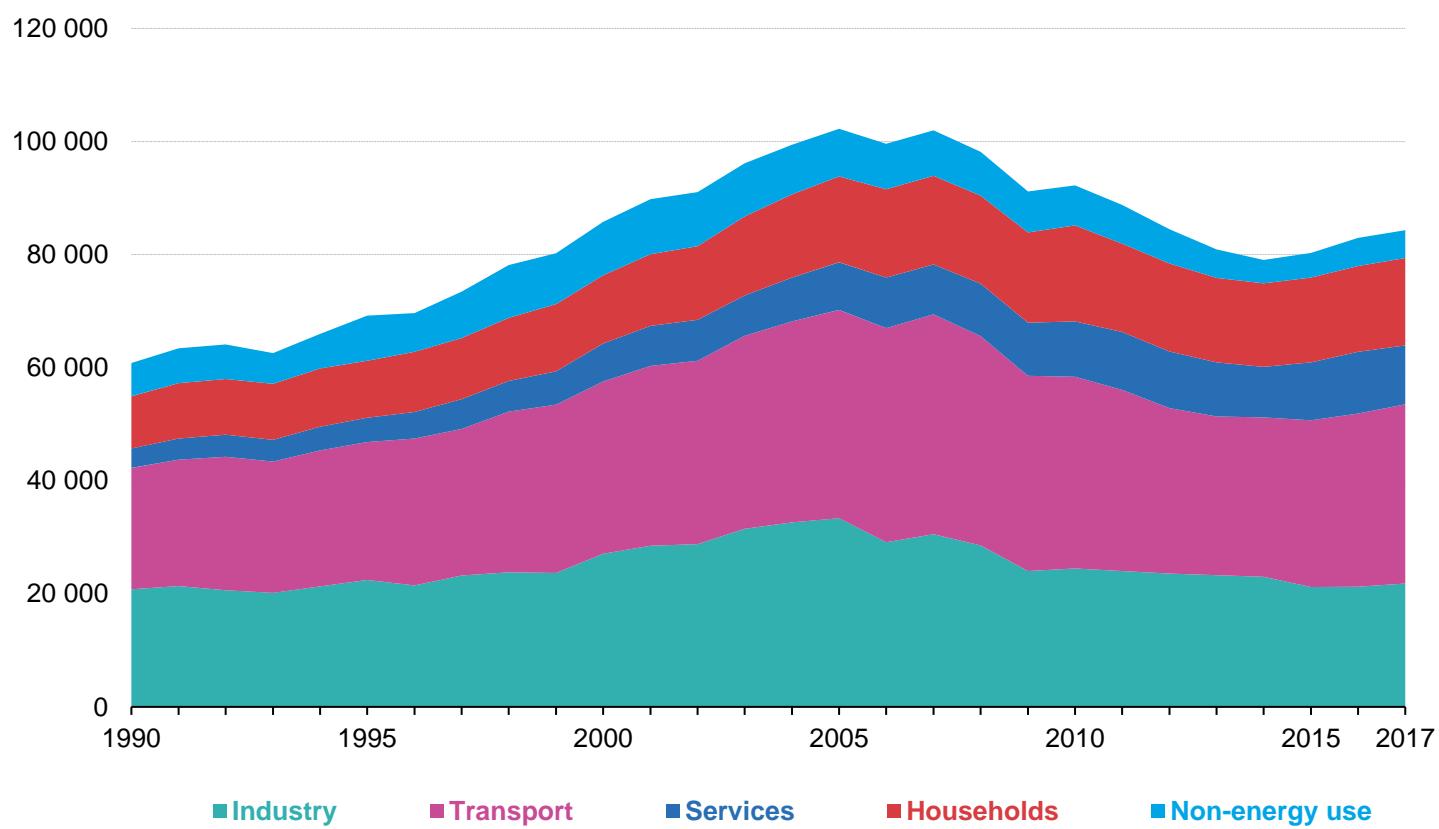
Note: Please refer to page 23 for related methodological definitions.

# Spain

## Final energy consumption by fuel, ktoe



## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

France ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity	
+ Primary production		132 150.9	0.0	Z	0.0	0.0	911.3	14.1	25 874.0	1 491.4	103 860.0	Z	Z	
+ Recovered & recycled products		81.6	0.0	Z	0.0	0.0	81.6	Z	0.0	Z	Z	0.0	Z	
+ Imports		156 839.8	10 107.6	0.0	0.0	0.0	100 707.2	43 155.6	1 052.2	0.0	Z	0.0	1 817.2	
- Exports		31 656.0	3.7	0.0	0.0	0.0	20 630.8	5 422.4	332.7	0.0	Z	0.0	5 266.4	
+ Change in stock		202.3	-193.0	0.0	0.0	0.0	-342.5	744.2	-6.5	0.0	Z	Z	Z	
= Gross available energy		<b>257 618.6</b>	<b>9 910.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>80 726.9</b>	<b>38 491.6</b>	<b>26 587.0</b>	<b>1 491.4</b>	<b>103 860.0</b>	<b>0.0</b>	<b>-3 449.2</b>	
- International maritime bunkers		1 651.8	0.0	0.0	0.0	0.0	1 651.8	0.0	0.0	Z	Z	Z	Z	
= Gross inland consumption		<b>255 966.8</b>	<b>9 910.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>79 075.1</b>	<b>38 491.6</b>	<b>26 587.0</b>	<b>1 491.4</b>	<b>103 860.0</b>	<b>0.0</b>	<b>-3 449.2</b>	
- International aviation		6 424.8	Z	Z	Z	Z	6 424.8	Z	0.0	Z	Z	Z	Z	
= Total energy supply		<b>249 541.9</b>	<b>9 910.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>72 650.2</b>	<b>38 491.6</b>	<b>26 587.0</b>	<b>1 491.4</b>	<b>103 860.0</b>	<b>0.0</b>	<b>-3 449.2</b>	
<b>Transformation input</b>		<b>207 053.6</b>	<b>10 579.6</b>	<b>609.7</b>	<b>0.0</b>	<b>0.0</b>	<b>67 725.2</b>	<b>7 291.6</b>	<b>15 022.8</b>	<b>1 341.4</b>	<b>103 860.0</b>	<b>0.0</b>	<b>623.5</b>	
+ Electricity & heat generation		130 301.6	3 242.2	609.7	0.0	0.0	1 677.7	7 291.6	11 655.6	1 341.4	103 860.0	0.0	623.5	
+ Coke ovens		3 182.5	3 182.5	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Blast furnaces		4 154.9	4 154.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Refineries & petrochemical industry		66 047.5	Z	Z	Z	Z	66 047.5	Z	Z	Z	Z	Z	Z	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	
+ For blended natural gas		31.4	Z	0.0	Z	Z	0.0	Z	31.4	Z	Z	Z	Z	
+ Liquid biofuels blended		3 335.7	Z	Z	Z	Z	Z	Z	3 335.7	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
<b>Transformation output</b>		<b>125 465.4</b>	<b>2 269.2</b>	<b>1 622.3</b>	<b>0.0</b>	<b>Z</b>	<b>65 632.6</b>	<b>31.4</b>	<b>3 335.2</b>	<b>Z</b>	<b>Z</b>	<b>4 239.1</b>	<b>48 335.6</b>	
+ Electricity & heat generation		52 574.7	Z	Z	Z	Z	Z	Z	Z	Z	Z	4 239.1	48 335.6	
+ Coke ovens		2 802.9	2 269.2	533.7	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Blast furnaces		1 088.5	0.0	1 088.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Refineries & petrochemical industry		65 632.6	Z	Z	Z	Z	65 632.6	Z	0.0	Z	Z	Z	Z	
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z	
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	
+ Blended in natural gas		31.4	Z	Z	Z	Z	Z	Z	31.4	Z	Z	Z	Z	
+ Liquid biofuels blended		3 335.2	Z	Z	Z	Z	Z	Z	3 335.2	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	
<b>Energy sector</b>		<b>6 342.7</b>	<b>0.0</b>	<b>922.9</b>	<b>0.0</b>	<b>0.0</b>	<b>1 688.9</b>	<b>1 013.3</b>	<b>39.5</b>	<b>35.7</b>	<b>Z</b>	<b>0.0</b>	<b>2 642.4</b>	
+ Own use in electricity & heat genera		2 088.4	0.0	0.6	0.0	0.0	0.0	0.0	7.4	8.1	Z	0.0	2 072.3	
+ Coal mines		2.7	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Z	0.0	2.7	
+ Oil & natural gas extraction plants		32.8	Z	Z	Z	Z	Z	0.4	0.0	Z	Z	0.0	32.4	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Coke ovens		188.5	0.0	188.4	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Blast furnaces		733.9	0.0	733.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Petroleum refineries (oil refineries)		2 856.9	0.0	0.0	0.0	0.0	0.0	1 688.9	968.3	0.0	0.0	Z	0.0	199.7
+ Nuclear industry		98.4	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	98.4	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0	
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0	
+ Gasification plants for biogas		3.8	Z	Z	Z	Z	Z	Z	3.8	0.0	Z	0.0	0.0	
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Not elsewhere specified (energy)		337.4	0.0	0.0	0.0	0.0	0.0	44.5	28.3	27.6	Z	0.0	236.9	
<b>Distribution losses</b>		<b>4 320.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>436.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>565.6</b>	<b>3 318.9</b>		
<b>Available for final consumption</b>		<b>157 290.1</b>	<b>1 600.5</b>	<b>89.7</b>	<b>0.0</b>	<b>0.0</b>	<b>68 868.7</b>	<b>29 781.8</b>	<b>14 859.9</b>	<b>114.3</b>	<b>0.0</b>	<b>3 673.5</b>	<b>38 301.6</b>	
<b>Final non-energy consumption</b>		<b>14 157.6</b>	<b>297.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12 750.1</b>	<b>1 110.5</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		
<b>Final energy consumption</b>		<b>141 002.8</b>	<b>1 143.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>54 970.0</b>	<b>28 671.3</b>	<b>14 867.1</b>	<b>114.3</b>	<b>Z</b>	<b>3 673.5</b>	<b>37 563.5</b>	
+ Industry		26 538.9	1 065.1	0.0	0.0	0.0	2 463.7	9 745.1	1 638.6	3.6	Z	1 472.4	10 150.5	
+ Iron & steel		1 949.6	125.5	0.0	0.0	0.0	50.4	773.0	0.4	0.0	Z	0.0	1 000.4	
+ Chemical & petrochemical		4 151.6	377.1	0.0	0.0	0.0	110.6	1 886.1	72.7	0.1	Z	0.0	1 705.1	
+ Non-ferrous metals		1 114.4	0.1	0.0	0.0	0.0	9.9	336.3	0.0	0.0	Z	0.0	768.1	
+ Non-metallic minerals		3 366.3	220.8	0.0	0.0	0.0	624.5	1 689.3	124.2	0.0	Z	0.0	707.5	
+ Transport equipment		1 086.0	5.0	0.0	0.0	0.0	25.6	428.7	6.6	0.0	Z	0.0	620.1	
+ Machinery		1 876.8	19.9	0.0	0.0	0.0	114.6	621.0	3.5	0.0	Z	0.0	1 117.8	
+ Mining & quarrying		378.8	0.0	0.0	0.0	0.0	191.5	36.8	10.5	0.0	Z	0.0	140.1	
+ Food, beverages & tobacco		4 890.5	303.0	0.0	0.0	0.0	212.2	2 341.4	237.0	0.1	Z	0.0	1 796.9	
+ Paper, pulp & printing		2 398.4	13.8	0.0	0.0	0.0	38.8	847.0	840.5	2.8	Z	0.0	655.7	
+ Wood & wood products		591.9	0.0	0.0	0.0	0.0	32.9	55.4	313.6	0.0	Z	0.0	189.9	
+ Construction		1 819.4	0.0	0.0	0.0	0.0	931.0	302.1	1.1	0.6	Z	0.0	584.5	
+ Textile & leather		323.8	0.0	0.0	0.0	0.0	16.7	167.0	0.1	0.0	Z	0.0	140.0	
+ Not elsewhere specified (industry)		2 591.2	0.0	0.0	0.0	0.0	104.9	261.0	28.4	0.0	Z	1 472.4	724.4	
+ Transport		45 359.5	0.0	0.0	0.0	0.0	40 998.0	92.3	3 335.2	0.0	Z	934.1		
+ Rail		973.7	0.0	0.0	0.0	0.0	141.4	Z	0.0	0.0	Z	832.3		
+ Road		43 000.9	Z	Z	Z	Z	39 575.8	72.0	3 335.2	0.0	Z	Z	17.9	
+ Domestic aviation		804.5	Z	Z	Z	Z	804.5	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation		476.2	0.0	0.0	0.0	0.0	476.2	Z	0.0	0.0	Z	Z	Z	
+ Pipeline transport		87.8	Z	Z	Z	Z	0.0	20.3	0.0	Z	Z	Z	67.6	
+ Not elsewhere specified (transport)		16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	16.3	
+ Other		69 104.4	78.1	0.0	0.0	0.0	11 508.3	18 833.9	9 893.3	110.7	Z	2 201.1	26 478.9	
+ Commercial & public services		23 831.5	40.9	0.0	0.0	0.0	2 750.5	7 285.7	803.8	110.7	Z	861.0	11 978.9	
+ Households		40 649.2	35.2	0.0	0.0	0.0	5 342.4	11 339.6	8 910.8	0.0	Z	1 331.8	13 689.3	
+ Agriculture & forestry		3 801.0	2.1	0.0	0.0	0.0	2 670.0	207.7	170.4	0.0	Z	8.2	742.7	
+ Fishing		342.4	0.0	0.0	0.0	0.0	316.4	0.9	8.3	0.0	Z	0.0	16.7	
+ Not elsewhere specified (other)		480.3	0.0	0.0	0.0	0.0	429.0	0.0	0.0	0.0	Z	0.0	51.3	
<b>Statistical differences</b>		<b>2 129.7</b>	<b>160.3</b>	<b>89.7</b>	<b>0.0</b>	<b>0.0</b>	<b>1 148.7</b>	<b>0.0</b>	<b>-7.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>738.2</b>	
Gross electricity production		48 277.2	1 086.6	208.1	0.0	0.0	635.4	3 477.1	8 404.5	212.7	34 252.7	Z	Z	
Gross heat production		4 147.7	211.0	0.0	0.0	0.0	240.3	1 495.2	1 759.2	441.7	0.0	Z	0.2	

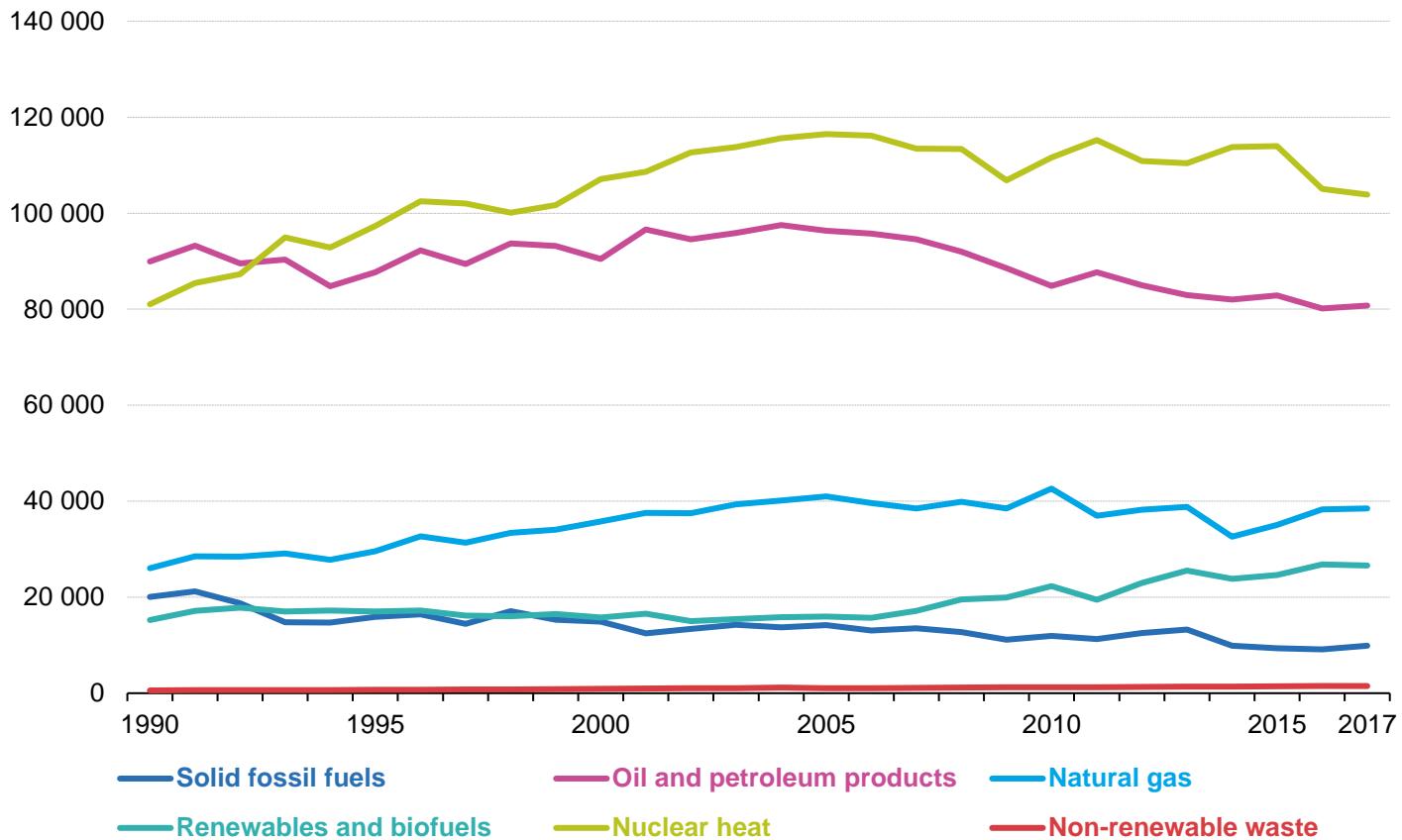
Source: Eurostat (nrg\_bal\_c)

France	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	279 768	271 993	266 978	267 086	268 099	257 620	261 756	257 378	257 619	
Solid fossil fuels	14 155	11 962	11 300	12 553	13 268	9 876	9 346	9 127	9 911	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	87 534	66 978	67 707	59 250	58 129	57 343	60 488	59 078	59 484	
Petroleum products	8 770	17 895	19 959	25 757	24 777	24 692	22 371	21 068	21 243	
Natural gas	41 025	42 618	36 990	38 215	38 816	32 595	35 040	38 289	38 492	
Nuclear heat	116 474	111 612	115 209	110 863	110 414	113 747	113 996	105 078	103 860	
Renewable energies	15 939	22 317	19 455	22 953	25 518	23 797	24 608	26 825	26 587	
Non-renewable wastes	1 058	1 251	1 209	1 324	1 345	1 348	1 414	1 480	1 491	
<b>Primary production</b>	135 820	136 766	137 066	136 262	138 305	139 523	140 624	133 662	132 151	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	1 381	1 091	1 063	964	990	952	990	939	911	
Natural gas	909	646	506	452	289	13	19	18	14	
Nuclear heat	116 474	111 612	115 209	110 863	110 414	113 747	113 996	105 078	103 860	
Renewable energies	15 999	22 166	19 079	22 659	25 268	23 464	24 205	26 147	25 874	
Non-renewable wastes	1 058	1 251	1 209	1 324	1 345	1 348	1 414	1 480	1 491	
<b>Net imports</b>	144 633	132 342	131 383	129 138	128 953	119 133	120 394	121 900	125 184	
Solid fossil fuels	13 359	12 077	11 381	12 140	12 466	9 777	9 196	8 550	10 104	
Crude oil	85 996	65 485	65 676	58 336	57 112	55 382	58 664	56 091	58 229	
Gas/Diesel Oil (w/o bio)	16 471	16 078	18 226	21 142	22 533	22 116	22 356	20 715	19 623	
Motor Gasoline (w/o bio)	-6 785	-5 343	-4 425	-4 048	-3 272	-3 491	-3 584	-3 559	-3 029	
Naphtha	1 504	-118	-954	597	-1 286	-595	-949	-1 804	-814	
LPG	625	1 845	1 644	1 775	2 224	2 959	2 534	2 521	2 296	
All other oil & petroleum products	-2 017	5 251	6 101	5 734	5 086	4 541	2 734	4 354	3 772	
Natural gas	40 720	39 553	38 221	36 995	38 004	33 841	34 517	37 898	37 733	
<b>Transformation input</b>	242 415	227 602	228 931	213 972	209 444	211 211	212 907	206 105	207 054	
Electricity & heat generation	140 167	137 338	137 885	135 590	135 878	135 140	136 685	130 457	130 302	
Refinery intake	88 824	73 176	74 005	63 251	59 846	60 043	62 018	61 111	61 076	
Coke ovens	4 221	3 049	2 871	3 172	3 260	3 169	3 146	3 060	3 183	
Blast furnaces	4 679	3 998	3 933	3 852	4 168	4 288	3 866	3 691	4 155	
<b>Transformation output</b>	151 283	139 318	140 149	127 581	123 529	124 886	126 205	124 760	125 465	
Electricity & heat generation	53 791	52 611	52 745	52 821	53 734	52 620	53 476	52 661	52 575	
Refinery output	87 672	72 432	73 272	62 521	59 284	59 438	61 413	60 494	60 557	
Coke ovens	3 756	2 671	2 518	2 713	2 847	2 835	2 832	2 696	2 803	
Blast furnaces	1 513	1 246	1 110	1 226	1 248	1 293	1 201	1 016	1 089	
<b>Energy sector</b>	10 087	10 002	8 939	7 640	6 902	6 562	6 744	6 445	6 343	
<b>Distribution losses</b>	3 459	4 215	4 198	4 270	4 542	3 971	4 319	4 452	4 321	
<b>Available for final consumption</b>	167 100	161 691	156 340	160 389	162 632	152 900	156 014	157 365	157 290	
Solid fossil fuels	1 995	2 361	2 231	2 480	2 312	1 715	1 608	1 893	1 601	
Manufactured gases	-51	20	-89	-138	-24	120	64	93	90	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	49 355	45 095	46 813	46 256	46 815	46 416	47 151	45 084	44 202	
Motor Gasoline (w/o bio)	9 964	8 730	9 203	8 597	8 091	8 361	8 575	8 388	9 142	
Naphtha	6 054	4 271	3 897	4 545	3 015	3 651	3 982	2 836	4 014	
LPG	3 532	3 898	3 474	3 290	3 731	4 315	4 009	3 946	3 807	
All other oil & petroleum products	11 482	9 212	9 626	8 938	9 111	7 482	7 186	8 138	7 703	
Natural gas	34 723	34 002	29 453	31 432	32 904	27 890	28 860	30 270	29 782	
Primary solid biofuels & charcoal	8 442	8 929	7 389	8 626	9 447	7 906	8 370	8 934	8 653	
Liquid biofuels	585	2 420	2 442	2 676	2 683	2 921	2 969	3 104	3 335	
All other renewable energies	370	1 600	1 573	1 901	2 164	2 007	2 285	2 695	2 872	
Non-renewable wastes	63	139	155	149	126	112	95	130	114	
Electricity	36 328	38 166	37 324	38 669	39 263	37 156	37 936	38 510	38 302	
Heat	4 258	2 850	2 850	2 967	2 993	2 849	2 925	3 344	3 673	
<b>Statistical difference</b>	212	1 447	3 515	2 734	2 643	2 898	3 373	2 650	2 130	
<b>Final non-energy consumption</b>	16 080	13 933	14 243	14 094	13 780	14 434	13 941	13 485	14 158	
<b>Final energy consumption</b>	150 807	146 311	138 582	143 562	146 209	135 569	138 700	141 230	141 003	
Industry	32 517	27 739	27 815	27 494	27 380	26 382	26 066	26 808	26 539	
Transport	44 372	43 569	44 635	44 534	44 234	44 463	44 919	45 019	45 360	
Other sectors	73 919	75 004	66 132	71 533	74 594	64 724	67 715	69 403	69 104	
Services	20 989	24 103	21 923	23 562	24 284	22 291	23 183	23 451	23 832	
Households	43 009	45 408	38 747	42 737	44 911	37 129	39 242	41 339	40 649	

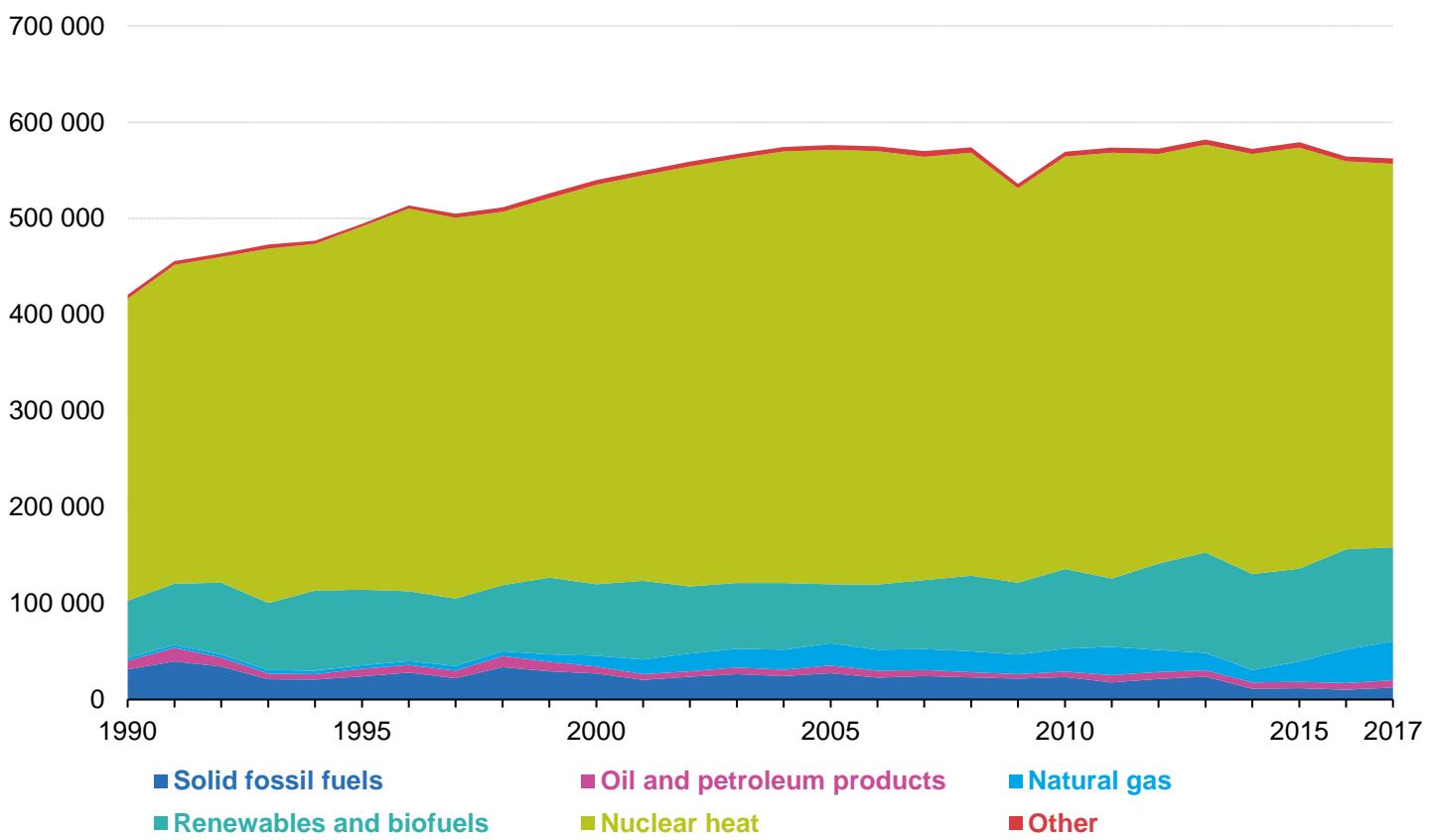
Source: Eurostat (nrg\_bal\_c)

# France

## Gross available energy by fuel, ktoe



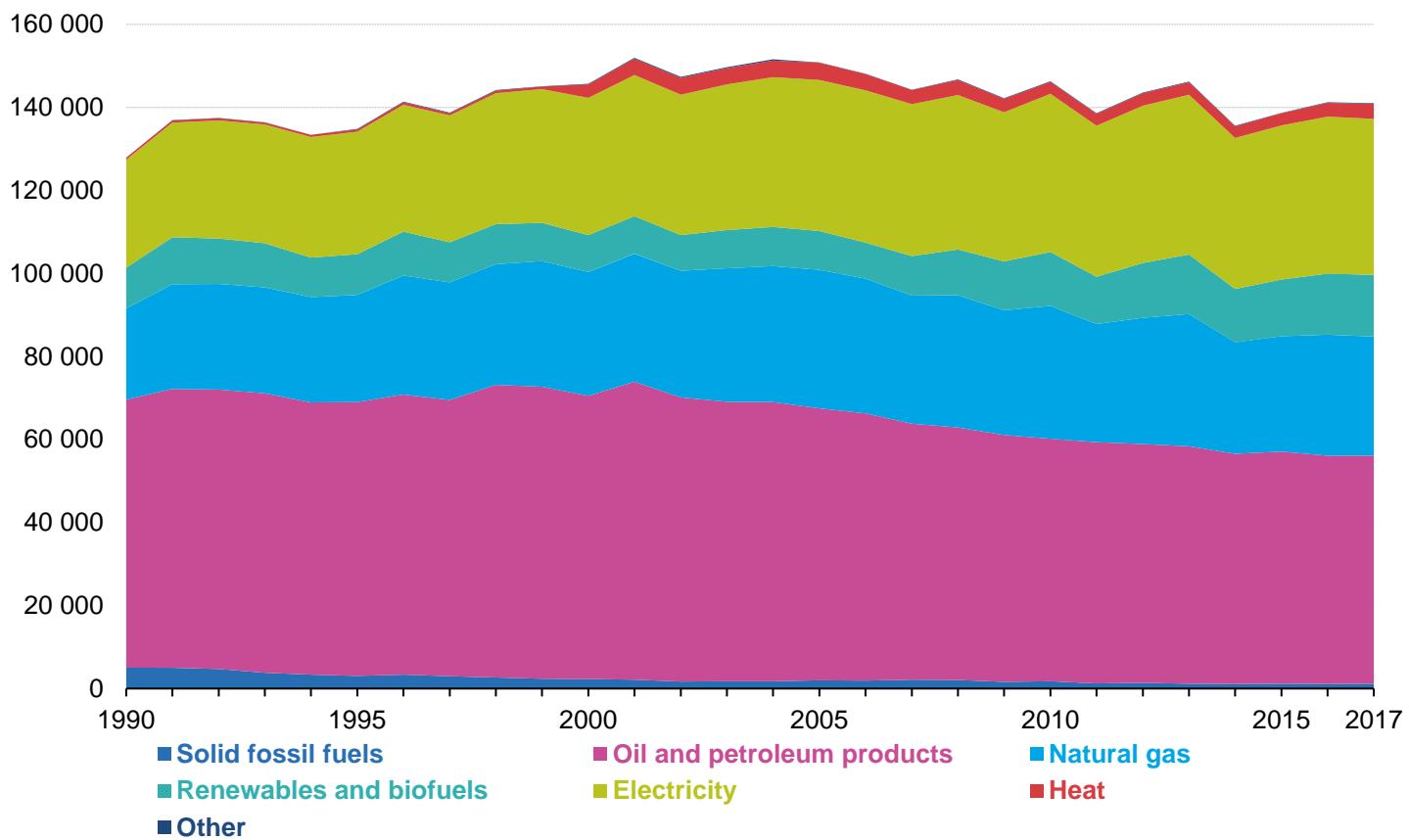
## Gross electricity production by fuel, GWh



Note: Please refer to page 23 for related methodological definitions.

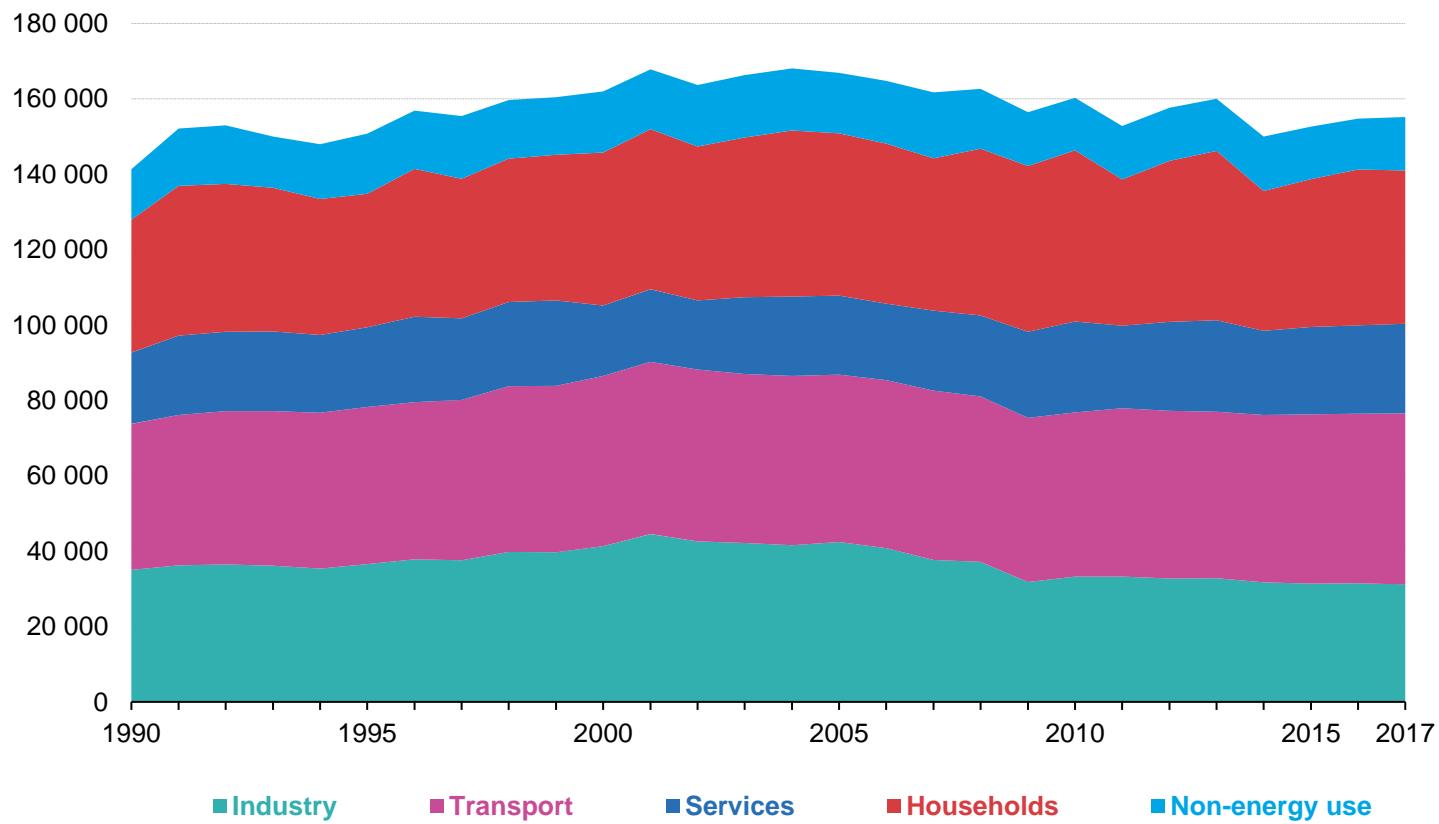
# France

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Croatia ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	4 208.7	0.0	Z	0.0	0.0	773.3	1 229.5	2 194.4	11.5	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	8 211.6	395.2	0.0	0.0	0.0	5 227.4	1 507.0	36.6	0.0	Z	0.0	1 045.4
- Exports	3 486.6	0.0	0.0	0.0	0.0	2 540.4	165.5	333.3	0.0	Z	0.0	447.5
+ Change in stock	-61.2	-2.8	0.0	0.0	0.0	23.0	-77.7	-3.5	0.0	Z	Z	Z
= Gross available energy	<b>8 872.6</b>	<b>392.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 483.3</b>	<b>2 493.3</b>	<b>1 894.3</b>	<b>11.5</b>	<b>0.0</b>	<b>0.0</b>	<b>597.9</b>
- International maritime bunkers	6.4	0.0	0.0	0.0	0.0	6.4	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>8 866.2</b>	<b>392.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 476.9</b>	<b>2 493.3</b>	<b>1 894.3</b>	<b>11.5</b>	<b>0.0</b>	<b>0.0</b>	<b>597.9</b>
- International aviation	147.8	Z	Z	Z	Z	147.8	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>8 718.4</b>	<b>392.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 329.1</b>	<b>2 493.3</b>	<b>1 894.3</b>	<b>11.5</b>	<b>0.0</b>	<b>0.0</b>	<b>597.9</b>
<b>Transformation input</b>	<b>6 086.2</b>	<b>316.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4 186.0</b>	<b>812.4</b>	<b>747.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>24.6</b>
+ Electricity & heat generation	1 856.4	316.2	0.0	0.0	0.0	53.4	730.9	731.3	0.0	0.0	0.0	24.6
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	4 132.5	Z	Z	Z	Z	4 132.5	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	15.9	Z	Z	Z	Z	Z	Z	15.9	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	81.5	0.0	0.0	0.0	0.0	0.0	81.5	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>5 478.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>4 144.6</b>	<b>0.0</b>	<b>6.3</b>	<b>Z</b>	<b>Z</b>	<b>296.9</b>	<b>1 030.4</b>
+ Electricity & heat generation	1 327.3	Z	Z	Z	Z	Z	Z	Z	Z	Z	296.9	1 030.4
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	4 063.1	Z	Z	Z	Z	4 063.1	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	6.3	Z	Z	Z	Z	Z	Z	6.3	Z	Z	Z	Z
+ Gas-to-liquids plants	81.5	Z	Z	Z	Z	81.5	Z	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>585.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>313.4</b>	<b>163.7</b>	<b>0.7</b>	<b>0.0</b>	<b>Z</b>	<b>29.5</b>	<b>78.0</b>
+ Own use in electricity & heat genera	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	26.8	39.6	
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Oil & natural gas extraction plants	89.5	Z	Z	Z	Z	0.0	75.1	0.0	Z	Z	0.0	14.4
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	Z	Z	0.0	
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	Z	Z	0.0	
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	
+ Petroleum refineries (oil refineries)	425.9	0.0	0.0	0.0	0.0	313.4	88.6	0.0	0.0	Z	0.0	24.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	
+ Gasification plants for biogas	3.3	Z	Z	Z	Z	Z	Z	0.7	0.0	Z	2.6	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Distribution losses</b>	<b>215.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>26.7</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>36.6</b>	<b>151.8</b>	
<b>Available for final consumption</b>	<b>7 310.2</b>	<b>76.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 974.4</b>	<b>1 490.5</b>	<b>1 152.8</b>	<b>11.5</b>	<b>0.0</b>	<b>230.8</b>	<b>1 373.9</b>
<b>Final non-energy consumption</b>	<b>533.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>124.6</b>	<b>409.1</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>6 776.5</b>	<b>76.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 849.8</b>	<b>1 081.4</b>	<b>1 152.8</b>	<b>11.5</b>	<b>Z</b>	<b>230.8</b>	<b>1 373.9</b>
+ Industry	1 179.5	72.4	0.0	0.0	0.0	295.4	386.5	32.0	11.5	Z	71.5	310.1
+ Iron & steel	6.8	0.2	0.0	0.0	0.0	0.2	1.7	0.0	0.0	Z	0.0	4.6
+ Chemical & petrochemical	166.3	0.0	0.0	0.0	0.0	2.9	120.9	0.0	0.0	Z	16.0	26.4
+ Non-ferrous metals	16.2	0.0	0.0	0.0	0.0	0.9	7.8	0.1	0.0	Z	0.0	7.4
+ Non-metallic minerals	373.6	56.7	0.0	0.0	0.0	157.6	87.4	2.1	11.5	Z	0.0	58.2
+ Transport equipment	11.8	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	Z	0.0	8.4
+ Machinery	76.7	0.2	0.0	0.0	0.0	6.6	21.3	0.3	0.0	Z	9.1	39.3
+ Mining & quarrying	14.8	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	Z	0.0	2.8
+ Food, beverages & tobacco	199.0	15.3	0.0	0.0	0.0	17.2	89.9	4.1	0.0	Z	12.6	59.8
+ Paper, pulp & printing	68.9	0.0	0.0	0.0	0.0	4.5	34.6	1.2	0.0	Z	0.6	27.9
+ Wood & wood products	74.1	0.0	0.0	0.0	0.0	0.4	1.4	16.5	0.0	Z	29.1	26.7
+ Construction	95.6	0.0	0.0	0.0	0.0	89.0	0.0	0.0	0.0	Z	0.0	6.6
+ Textile & leather	25.6	0.0	0.0	0.0	0.0	1.4	10.1	0.2	0.0	Z	0.8	13.2
+ Not elsewhere specified (industry)	50.1	0.0	0.0	0.0	0.0	2.0	8.5	7.5	0.0	Z	3.3	28.8
+ Transport	2 189.0	0.0	0.0	0.0	0.0	2 161.3	4.2	0.5	0.0	Z	Z	23.0
+ Rail	37.6	0.0	0.0	0.0	0.0	18.0	Z	0.0	0.0	Z	Z	19.7
+ Road	2 092.3	Z	Z	Z	Z	2 087.6	4.2	0.5	0.0	Z	Z	0.0
+ Domestic aviation	10.6	Z	Z	Z	Z	10.6	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	45.2	0.0	0.0	0.0	0.0	45.2	Z	0.0	0.0	Z	Z	3.3
+ Pipeline transport	3.3	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	Z
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	3 407.9	3.8	0.0	0.0	0.0	393.1	690.7	1 120.3	0.0	Z	159.3	1 040.8
+ Commercial & public services	800.5	0.1	0.0	0.0	0.0	58.7	191.7	16.6	0.0	Z	36.6	496.7
+ Households	2 376.9	3.6	0.0	0.0	0.0	138.4	479.1	1 099.9	0.0	Z	117.0	538.8
+ Agriculture & forestry	204.9	0.0	0.0	0.0	0.0	170.3	19.9	3.8	0.0	Z	5.6	5.3
+ Fishing	25.7	0.0	0.0	0.0	0.0	25.7	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production	1 030.4	117.5	0.0	0.0	0.0	18.1	265.7	629.1	0.0	0.0	Z	Z
Gross heat production	296.9	0.0	0.0	0.0	0.0	17.9	235.4	43.6	0.0	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

eurostat ■ Energy balance sheets — 2017 data

Croatia	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	9 839	9 464	9 269	8 716	8 545	8 144	8 493	8 570	8 873	
Solid fossil fuels	684	683	703	631	675	647	606	651	392	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	5 436	4 449	3 723	3 701	3 444	3 017	3 426	3 813	4 005	
Petroleum products	-890	-713	-51	-425	-279	106	-174	-553	-522	
Natural gas	2 370	2 632	2 570	2 413	2 282	2 019	2 082	2 171	2 493	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	1 855	2 064	1 704	1 748	2 082	2 005	1 960	2 002	1 894	
Non-renewable wastes	4	8	4	8	9	10	9	10	12	
<b>Primary production</b>	4 759	5 154	4 604	4 218	4 443	4 354	4 400	4 423	4 209	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	1 034	765	707	631	614	611	693	763	773	
Natural gas	1 865	2 215	2 007	1 635	1 507	1 444	1 471	1 369	1 230	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	1 855	2 167	1 886	1 944	2 313	2 289	2 226	2 282	2 194	
Non-renewable wastes	4	8	4	8	9	10	9	10	12	
<b>Net imports</b>	5 174	4 426	4 608	4 353	4 061	3 606	4 151	4 158	4 725	
Solid fossil fuels	624	700	691	555	743	597	624	664	395	
Crude oil	4 050	3 598	2 894	2 371	2 511	1 888	2 374	2 563	2 874	
Gas/Diesel Oil (w/o bio)	198	402	578	313	351	504	517	340	484	
Motor Gasoline (w/o bio)	-479	-462	-304	-405	-397	-305	-321	-344	-515	
Naphtha	-171	-79	-101	-64	-31	-39	-52	-71	-53	
LPG	-251	-159	-127	-148	-118	-99	-120	-113	-158	
All other oil & petroleum products	263	-287	42	394	178	417	250	200	55	
Natural gas	562	475	501	894	726	577	564	728	1 341	
<b>Transformation input</b>	7 876	6 783	5 878	5 942	5 721	5 121	5 395	5 989	6 086	
Electricity & heat generation	2 233	2 191	1 929	1 821	2 065	1 894	1 749	1 945	1 856	
Refinery intake	5 243	4 345	3 694	3 823	3 466	3 049	3 456	3 855	4 040	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	7 063	6 131	5 208	5 305	5 118	4 611	4 846	5 345	5 478	
Electricity & heat generation	1 450	1 580	1 266	1 202	1 489	1 407	1 246	1 375	1 327	
Refinery output	5 214	4 307	3 691	3 809	3 444	3 032	3 419	3 789	3 970	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	814	736	773	647	593	638	604	545	585	
<b>Distribution losses</b>	274	260	242	239	233	212	220	220	215	
<b>Available for final consumption</b>	7 827	7 711	7 456	7 078	6 992	6 658	6 999	7 032	7 310	
Solid fossil fuels	146	151	145	131	116	103	81	67	76	
Manufactured gases	11	4	3	2	2	1	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	1 796	1 755	1 708	1 616	1 629	1 615	1 737	1 791	1 962	
Motor Gasoline (w/o bio)	755	692	676	628	613	568	567	569	547	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	130	183	168	161	161	156	157	162	160	
All other oil & petroleum products	626	361	341	273	299	283	289	309	306	
Natural gas	1 616	1 693	1 598	1 448	1 389	1 352	1 387	1 410	1 491	
Primary solid biofuels & charcoal	1 243	1 236	1 202	1 209	1 195	1 052	1 192	1 149	1 124	
Liquid biofuels	0	3	4	37	33	30	24	1	0	
All other renewable energies	2	16	17	16	18	21	24	26	28	
Non-renewable wastes	4	8	4	8	9	10	9	10	12	
Electricity	1 240	1 364	1 353	1 320	1 296	1 275	1 319	1 316	1 374	
Heat	258	245	238	229	231	193	212	222	231	
<b>Statistical difference</b>	0	0	0	1	0	0	0	0	0	
<b>Final non-energy consumption</b>	675	596	596	532	539	540	530	516	534	
<b>Final energy consumption</b>	7 152	7 114	6 861	6 545	6 453	6 118	6 469	6 516	6 776	
Industry	1 565	1 367	1 286	1 138	1 117	1 098	1 090	1 087	1 180	
Transport	1 837	1 971	1 933	1 896	1 917	1 894	1 991	2 039	2 189	
Other sectors	3 750	3 777	3 642	3 511	3 419	3 126	3 389	3 389	3 408	
Services	693	776	763	733	714	676	743	763	800	
Households	2 815	2 756	2 629	2 547	2 478	2 216	2 415	2 393	2 377	

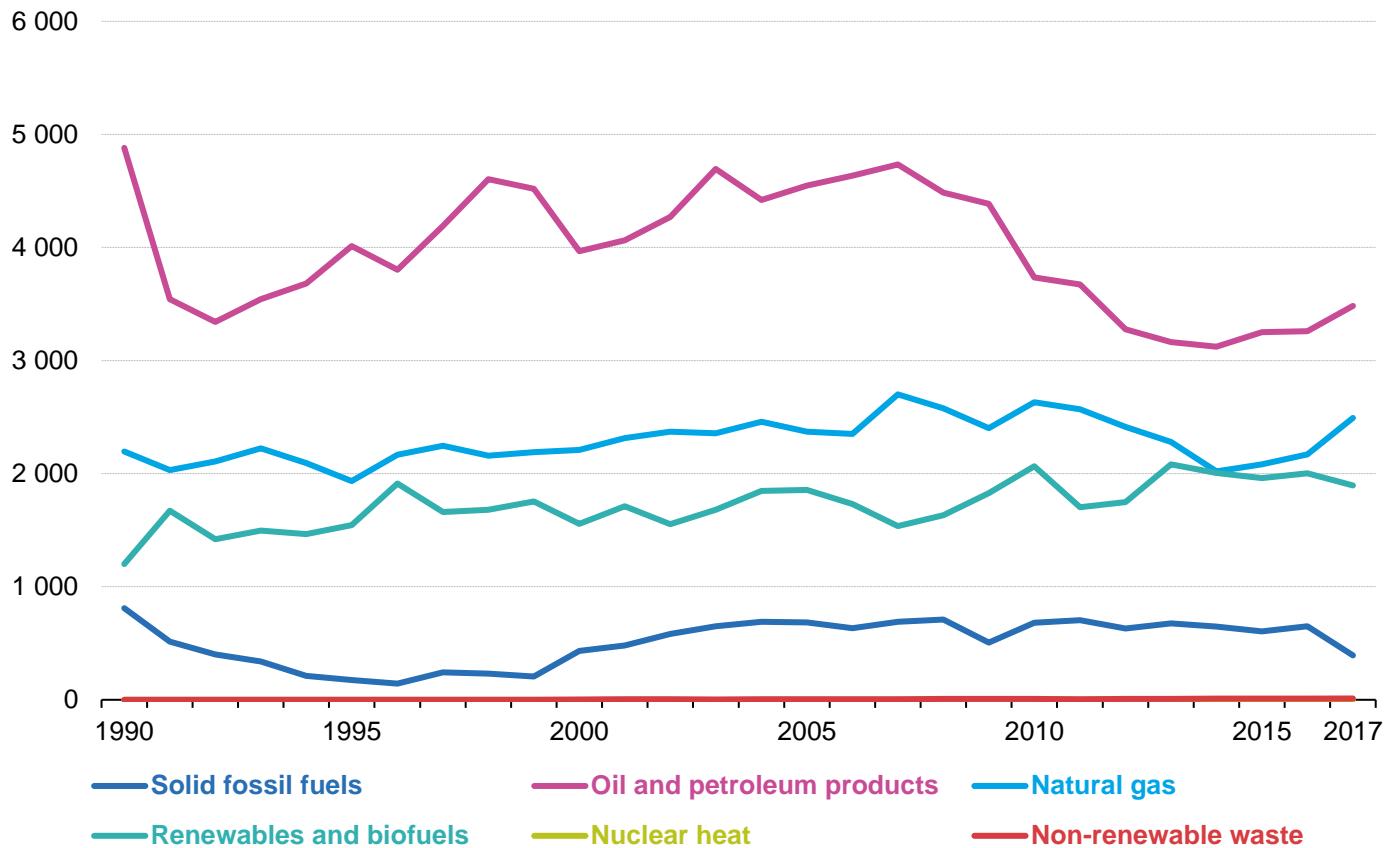
Source: Eurostat (nrg\_bal\_c)

eurostat

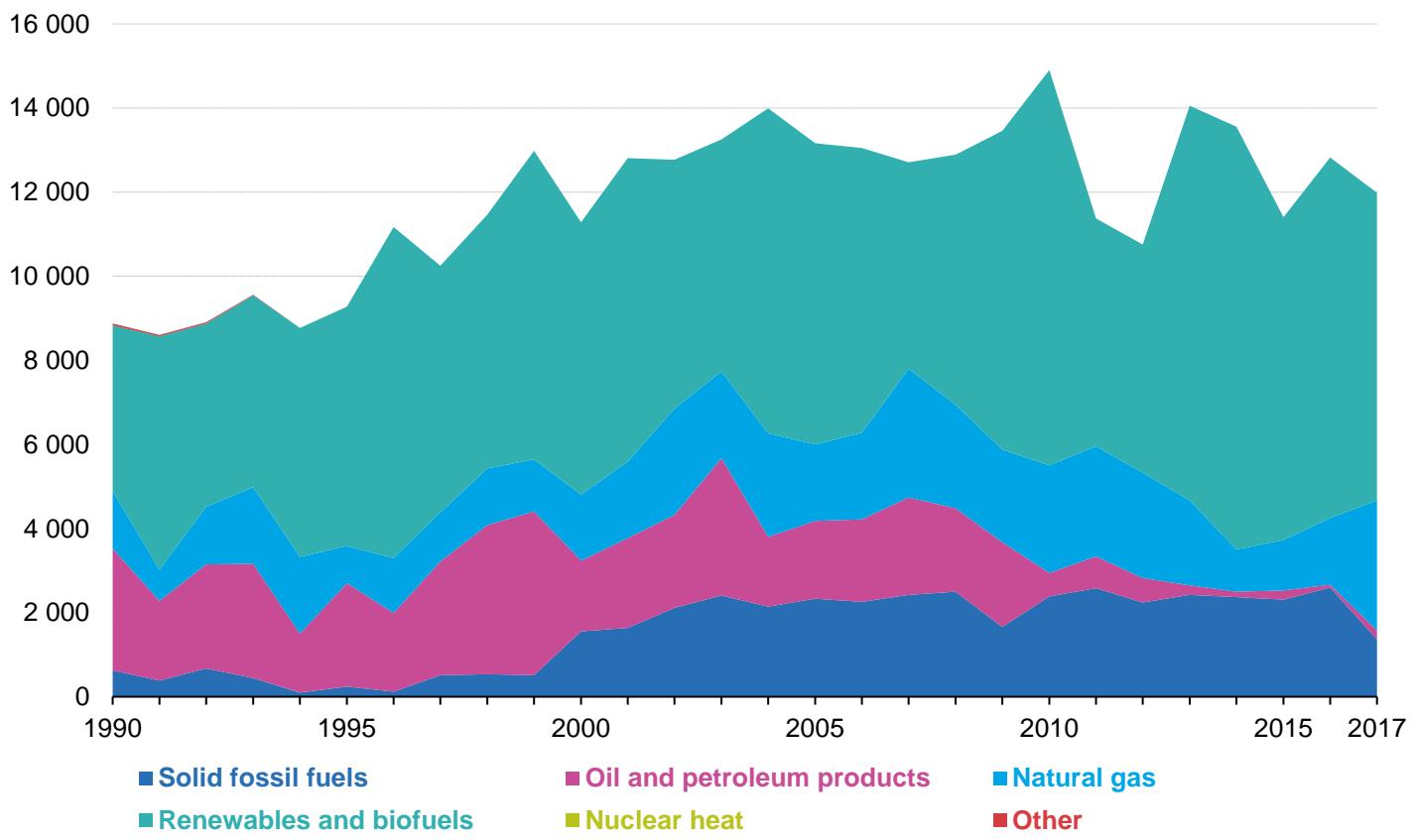
Energy balance sheets — 2017 data

# Croatia

## Gross available energy by fuel, ktoe



## Gross electricity production by fuel, GWh

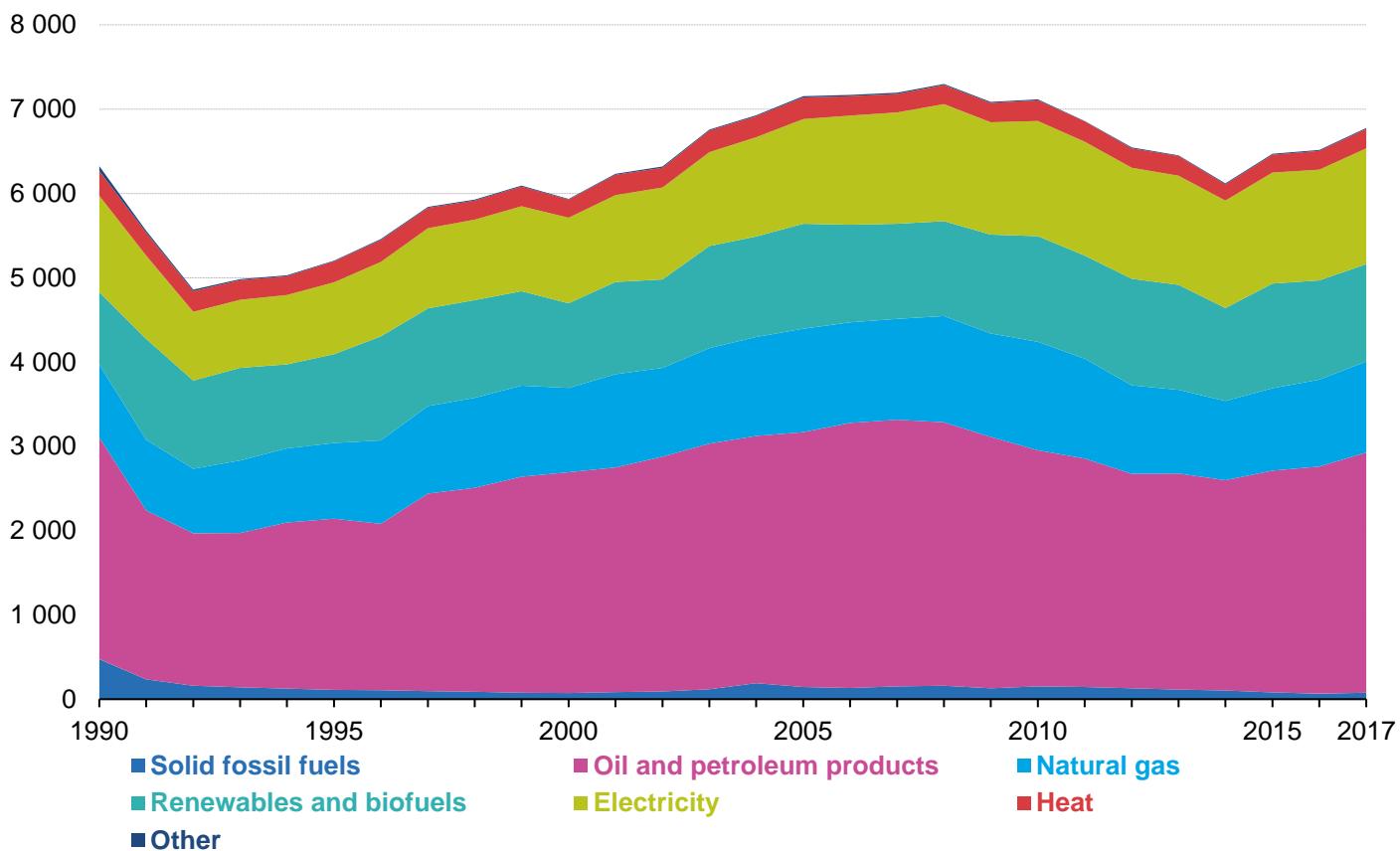


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

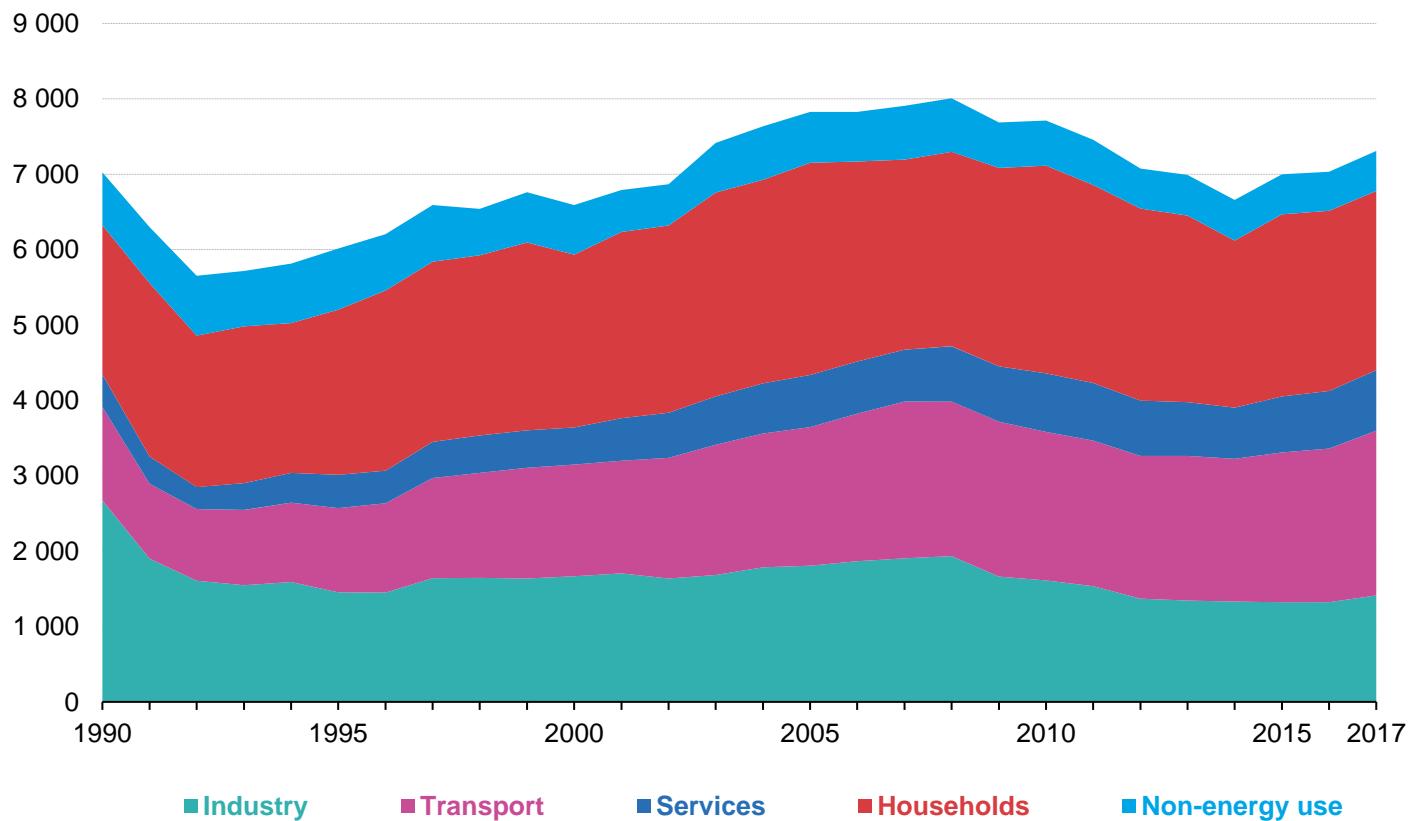
# Croatia

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Italy ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		36 666.4	0.0	Z	0.0	0.0	4 456.1	4 535.9	26 540.2	1 134.2	0.0	Z	Z
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports		157 930.4	9 594.0	0.0	0.0	0.0	84 961.0	57 043.6	2 643.5	0.0	Z	0.0	3 688.3
- Exports		33 366.3	234.2	0.0	0.0	0.0	32 136.5	223.2	330.8	0.0	Z	0.0	441.5
+ Change in stock		584.8	-18.0	0.0	0.0	0.0	441.7	192.8	-31.7	0.0	Z	Z	Z
= Gross available energy		<b>161 815.3</b>	<b>9 341.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>57 722.3</b>	<b>61 549.0</b>	<b>28 821.1</b>	<b>1 134.2</b>	<b>0.0</b>	<b>0.0</b>	<b>3 246.8</b>
- International maritime bunkers		2 302.6	0.0	0.0	0.0	0.0	2 302.6	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>159 512.7</b>	<b>9 341.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>55 419.7</b>	<b>61 549.0</b>	<b>28 821.1</b>	<b>1 134.2</b>	<b>0.0</b>	<b>0.0</b>	<b>3 246.8</b>
- International aviation		3 419.2	Z	Z	Z	Z	3 419.2	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>156 093.5</b>	<b>9 341.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>52 000.5</b>	<b>61 549.0</b>	<b>28 821.1</b>	<b>1 134.2</b>	<b>0.0</b>	<b>0.0</b>	<b>3 246.8</b>
<b>Transformation input</b>		<b>139 366.7</b>	<b>10 224.6</b>	<b>655.5</b>	<b>0.0</b>	<b>0.0</b>	<b>83 573.9</b>	<b>25 233.1</b>	<b>18 577.5</b>	<b>889.1</b>	<b>0.0</b>	<b>0.0</b>	<b>213.1</b>
+ Electricity & heat generation		55 904.4	7 253.1	655.5	0.0	0.0	4 166.7	25 233.1	17 493.8	889.1	0.0	0.0	213.1
+ Coke ovens		1 668.0	1 668.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		1 303.5	1 303.5	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		79 407.2	Z	Z	Z	Z	79 407.2	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		7.2	Z	0.0	Z	Z	0.0	Z	7.2	Z	Z	Z	Z
+ Liquid biofuels blended		1 061.7	Z	Z	Z	Z	Z	Z	1 061.7	Z	Z	Z	Z
+ Charcoal production plants		14.7	Z	Z	Z	Z	Z	Z	14.7	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>		<b>114 137.9</b>	<b>1 200.5</b>	<b>823.3</b>	<b>0.0</b>	<b>Z</b>	<b>80 025.9</b>	<b>7.2</b>	<b>1 069.1</b>	<b>Z</b>	<b>Z</b>	<b>5 575.2</b>	<b>25 436.8</b>
+ Electricity & heat generation		31 012.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	5 575.2	25 436.8
+ Coke ovens		1 525.8	1 200.5	325.3	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		498.0	0.0	498.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		80 025.9	Z	Z	Z	Z	80 025.9	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		7.2	Z	Z	Z	Z	Z	Z	7.2	Z	Z	Z	Z
+ Liquid biofuels blended		1 061.7	Z	Z	Z	Z	Z	Z	1 061.7	Z	Z	Z	Z
+ Charcoal production plants		7.4	Z	Z	Z	Z	Z	Z	7.4	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>7 698.6</b>	<b>47.2</b>	<b>8.6</b>	<b>0.0</b>	<b>0.0</b>	<b>3 061.6</b>	<b>1 416.8</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>1 403.4</b>	<b>1 760.9</b>
+ Own use in electricity & heat genera		908.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.2	908.4	
+ Coal mines		3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	3.8	
+ Oil & natural gas extraction plants		1 023.1	Z	Z	Z	Z	0.0	978.1	0.0	Z	Z	16.2	28.9
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	Z	Z	0.0	0.0
+ Coke ovens		67.6	47.2	8.6	0.0	0.0	0.0	0.0	0.0	Z	Z	8.0	3.7
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	Z	Z	0.0	0.0
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		4 804.4	0.0	0.0	0.0	0.0	3 061.6	336.1	0.0	0.0	Z	958.7	448.0
+ Nuclear industry		0.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.5
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		71.0	Z	Z	Z	Z	Z	71.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Not elsewhere specified (energy)		819.8	0.0	0.0	0.0	0.0	0.0	31.6	0.0	0.0	Z	420.5	367.7
<b>Distribution losses</b>		<b>1 992.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>329.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>57.9</b>	<b>1 605.1</b>
<b>Available for final consumption</b>		<b>121 173.8</b>	<b>270.5</b>	<b>159.2</b>	<b>0.0</b>	<b>0.0</b>	<b>45 391.0</b>	<b>34 577.0</b>	<b>11 312.7</b>	<b>245.1</b>	<b>0.0</b>	<b>4 113.9</b>	<b>25 104.5</b>
<b>Final non-energy consumption</b>		<b>7 914.7</b>	<b>61.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 197.7</b>	<b>655.5</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>		<b>113 611.2</b>	<b>489.3</b>	<b>159.2</b>	<b>0.0</b>	<b>0.0</b>	<b>38 265.1</b>	<b>33 921.5</b>	<b>11 312.7</b>	<b>245.1</b>	<b>Z</b>	<b>4 113.9</b>	<b>25 104.5</b>
+ Industry		24 925.7	489.3	159.2	0.0	0.0	1 954.3	8 870.6	392.7	245.1	Z	2 873.9	9 940.6
+ Iron & steel		3 597.1	341.5	159.2	0.0	0.0	68.2	1 255.9	0.0	0.0	Z	162.3	1 610.0
+ Chemical & petrochemical		3 654.1	0.0	0.0	0.0	0.0	303.3	1 008.2	7.4	73.7	Z	1 033.3	1 228.2
+ Non-ferrous metals		694.4	0.0	0.0	0.0	0.0	46.9	427.5	0.0	0.0	Z	0.2	219.8
+ Non-metallic minerals		4 193.1	147.8	0.0	0.0	0.0	882.3	2 004.0	133.7	133.2	Z	126.4	765.7
+ Transport equipment		419.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	111.2	308.7	
+ Machinery		3 501.6	0.0	0.0	0.0	0.0	251.6	1 419.5	2.3	3.0	Z	29.2	1 796.1
+ Mining & quarrying		112.7	0.0	0.0	0.0	0.0	28.8	31.1	0.0	0.0	Z	0.8	52.1
+ Food, beverages & tobacco		2 853.1	0.0	0.0	0.0	0.0	188.3	1 174.0	44.8	0.0	Z	378.7	1 067.3
+ Paper, pulp & printing		2 286.4	0.0	0.0	0.0	0.0	55.3	657.5	0.4	0.0	Z	833.3	739.8
+ Wood & wood products		485.0	0.0	0.0	0.0	0.0	0.0	32.9	154.3	5.7	Z	36.0	256.2
+ Construction		380.5	0.0	0.0	0.0	0.0	31.5	228.9	0.8	0.0	Z	0.2	119.2
+ Textile & leather		1 163.2	0.0	0.0	0.0	0.0	69.7	609.3	0.1	0.0	Z	40.1	444.0
+ Not elsewhere specified (industry)		1 584.5	0.0	0.0	0.0	0.0	28.3	21.7	49.0	29.6	Z	122.2	1 333.6
+ Transport		34 525.4	0.0	0.0	0.0	0.0	31 420.8	1 064.1	1 061.8	0.0	Z	Z	978.8
+ Rail		507.8	0.0	0.0	0.0	0.0	33.6	Z	0.0	0.0	Z	Z	474.2
+ Road		31 654.0	Z	Z	Z	Z	29 738.0	847.1	1 061.8	0.0	Z	Z	7.1
+ Domestic aviation		780.4	Z	Z	Z	Z	780.4	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		868.7	0.0	0.0	0.0	0.0	868.7	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport		249.7	Z	Z	Z	Z	0.0	217.0	0.0	Z	Z	Z	32.6
+ Not elsewhere specified (transport)		464.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	464.8
+ Other		54 160.1	0.0	0.0	0.0	0.0	4 890.0	23 986.8	9 858.2	0.0	Z	1 239.9	14 185.1
+ Commercial & public services		18 242.2	0.0	0.0	0.0	0.0	546.4	6 590.2	2 758.6	0.0	Z	308.1	8 038.9
+ Households		32 898.6	0.0	0.0	0.0	0.0	2 087.5	17 260.6	7 014.4	0.0	Z	904.9	5 631.2
+ Agriculture & forestry		2 695.8	0.0	0.0	0.0	0.0	2 010.0	136.0	50.8	0.0	Z	10.5	488.5
+ Fishing		221.9	0.0	0.0	0.0	0.0	160.9	0.0	34.4	0.0	Z	0.0	26.6
+ Not elsewhere specified (other)		101.6	0.0	0.0	0.0	0.0	85.2	0.0	0.0	0.0	Z	16.4	0.0
<b>Statistical differences</b>		<b>-352.1</b>	<b>-280.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-71.9</b>	<b>-0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production		25 380.0	2 805.5	212.3	0.0	0.0	991.1	12 067.9	9 090.6	212.7	0.0	Z	Z
Gross heat production		5 575.2	46.0	103.0	0.0	0.0	770.9	3 563.0	959.7	132.6	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

Italy	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	191 687	179 819	173 688	166 908	160 570	151 759	157 630	156 490	161 815	
Solid fossil fuels	16 469	13 674	15 331	15 715	13 536	13 059	12 300	10 983	9 342	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	99 866	88 452	84 792	79 254	69 227	64 347	73 138	70 221	73 923	
Petroleum products	-14 306	-17 066	-16 342	-18 139	-10 711	-7 782	-14 515	-13 178	-16 201	
Natural gas	70 651	68 057	63 814	61 356	57 387	50 706	55 302	58 080	61 549	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	14 107	21 864	21 026	23 885	26 371	26 512	26 269	26 018	28 821	
Non-renewable wastes	673	1 041	1 135	1 132	1 138	1 158	1 149	1 183	1 134	
<b>Primary production</b>	30 208	32 945	31 917	34 964	36 767	36 694	36 098	33 519	36 666	
Solid fossil fuels	60	64	58	51	46	55	51	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	6 260	5 560	5 581	5 629	5 748	5 983	5 788	4 029	4 456	
Natural gas	9 886	6 885	6 920	7 048	6 335	5 855	5 545	4 738	4 536	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	13 328	19 395	18 224	21 104	23 500	23 644	23 564	23 569	26 540	
Non-renewable wastes	673	1 041	1 135	1 132	1 138	1 158	1 149	1 183	1 134	
<b>Net imports</b>	159 766	148 479	141 300	132 039	123 216	115 050	121 422	121 520	124 564	
Solid fossil fuels	16 374	13 787	14 726	15 187	13 023	12 889	12 318	10 711	9 360	
Crude oil	88 497	78 236	71 762	67 932	57 824	53 475	61 748	60 254	65 652	
Gas/Diesel Oil (w/o bio)	-8 189	-8 342	-6 882	-8 795	-5 541	-2 371	-6 016	-4 998	-5 241	
Motor Gasoline (w/o bio)	-7 551	-9 217	-8 717	-9 653	-7 924	-6 976	-8 439	-8 175	-8 728	
Naphtha	729	876	-270	-73	572	235	266	602	108	
LPG	1 234	1 736	1 784	1 916	2 086	2 185	2 226	2 282	2 259	
All other oil & petroleum products	3 827	3 511	4 639	3 715	6 065	3 531	2 643	1 914	-1 224	
Natural gas	59 840	61 600	57 531	55 353	50 564	45 471	49 996	53 294	56 820	
<b>Transformation input</b>	176 392	161 454	158 130	151 504	133 242	127 106	136 658	134 470	139 367	
Electricity & heat generation	63 018	59 351	59 777	58 172	54 589	52 666	54 234	54 863	55 904	
Refinery intake	101 314	90 380	85 868	81 739	69 867	66 530	74 724	72 086	75 671	
Coke ovens	3 745	3 639	4 137	3 702	2 128	1 690	1 593	1 741	1 668	
Blast furnaces	3 739	3 055	3 279	2 945	2 085	2 130	1 495	1 765	1 303	
<b>Transformation output</b>	141 641	131 199	127 925	122 846	108 248	102 972	111 221	108 992	114 138	
Electricity & heat generation	30 725	30 877	31 251	30 677	30 087	28 980	29 515	30 262	31 012	
Refinery output	101 935	91 404	87 095	82 973	70 968	67 705	75 144	72 538	76 359	
Coke ovens	3 472	3 193	3 729	3 551	2 092	1 523	1 459	1 546	1 526	
Blast furnaces	1 029	770	862	788	585	745	546	695	498	
<b>Energy sector</b>	9 841	9 439	9 974	8 548	7 443	6 714	7 518	6 836	7 699	
<b>Distribution losses</b>	2 264	2 255	2 151	2 264	2 253	1 963	1 980	1 913	1 992	
<b>Available for final consumption</b>	139 592	131 728	125 612	121 870	120 700	113 958	117 629	116 754	121 174	
Solid fossil fuels	1 497	754	1 156	1 096	836	697	576	753	270	
Manufactured gases	19	0	0	206	165	280	209	235	159	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	31 609	28 693	28 448	26 672	25 912	26 833	26 151	25 871	24 555	
Motor Gasoline (w/o bio)	14 646	10 604	10 871	9 650	8 997	9 232	8 167	7 759	7 657	
Naphtha	2 859	3 196	2 677	2 477	1 869	2 455	2 127	2 436	5 144	
LPG	3 855	3 684	3 548	3 551	3 699	3 465	3 569	3 525	3 635	
All other oil & petroleum products	9 965	7 368	7 018	4 581	6 357	3 906	6 070	5 423	4 401	
Natural gas	41 583	39 065	35 961	35 821	35 672	31 412	33 556	33 890	34 577	
Primary solid biofuels & charcoal	4 073	7 336	4 811	6 851	6 865	6 001	6 800	6 582	7 173	
Liquid biofuels	177	1 419	1 401	1 368	1 252	1 065	1 167	1 041	1 062	
All other renewable energies	294	318	326	369	380	387	398	420	3 078	
Non-renewable wastes	62	223	249	281	281	272	269	276	245	
Electricity	25 871	25 736	25 952	25 515	24 711	24 204	24 719	24 594	25 104	
Heat	3 082	3 332	3 195	3 433	3 702	3 747	3 851	3 950	4 114	
<b>Statistical difference</b>	-528	-885	-1 093	-2 569	306	-2 078	-1 085	-1 107	-352	
<b>Final non-energy consumption</b>	8 611	9 560	9 187	7 880	6 339	7 188	6 605	6 306	7 915	
<b>Final energy consumption</b>	131 509	123 053	117 518	116 559	114 054	108 848	112 108	111 555	113 611	
Industry	37 212	29 015	27 745	26 949	25 354	24 739	24 853	25 089	24 926	
Transport	41 839	38 566	38 572	36 349	35 701	37 009	36 374	35 815	34 525	
Other sectors	52 459	55 472	51 201	53 262	52 999	47 100	50 880	50 651	54 160	
Services	15 053	16 979	15 751	15 931	15 847	14 667	15 391	15 440	18 242	
Households	33 922	35 393	32 378	34 348	34 231	29 546	32 494	32 185	32 899	

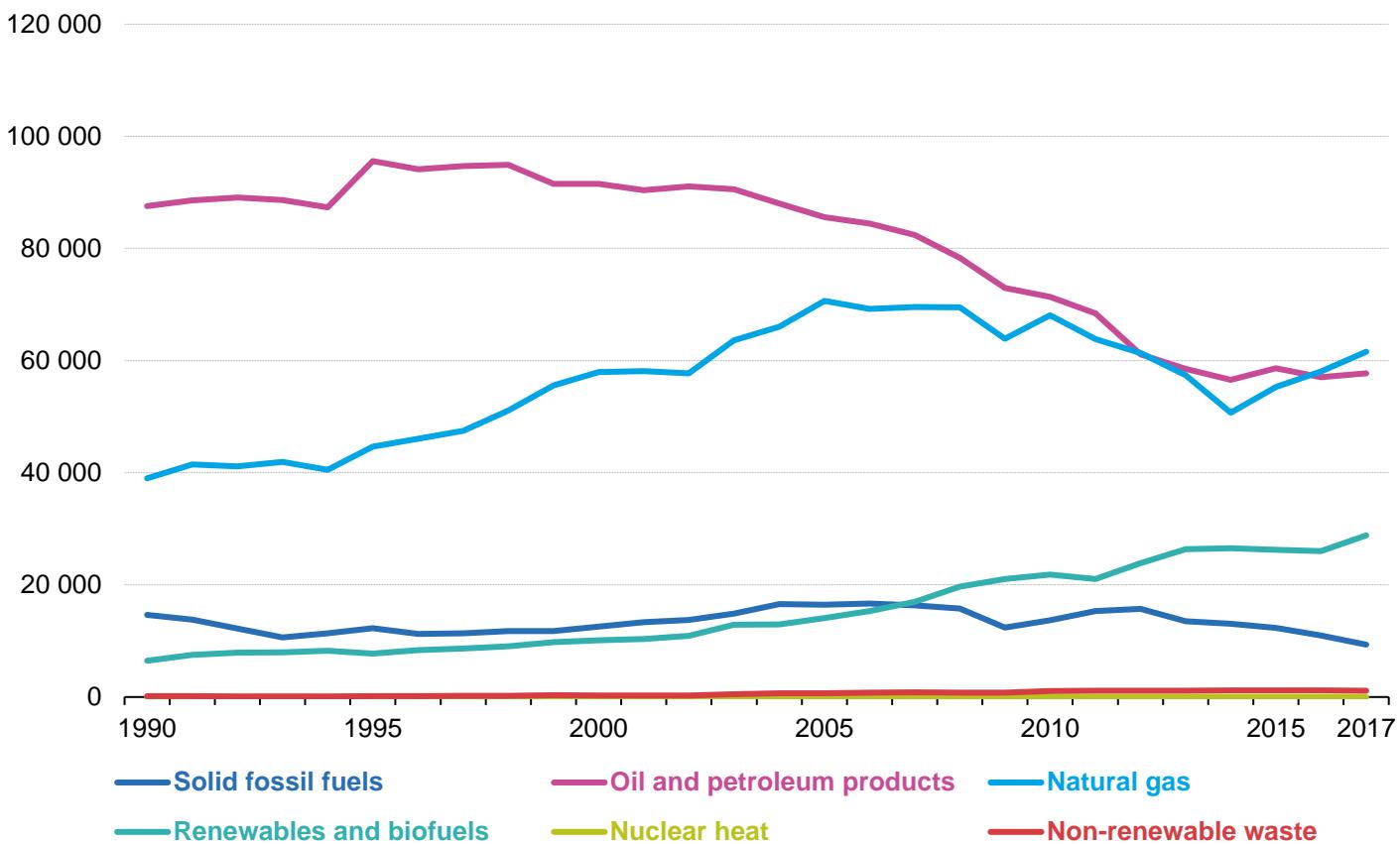
Source: Eurostat (nrg\_bal\_c)

eurostat

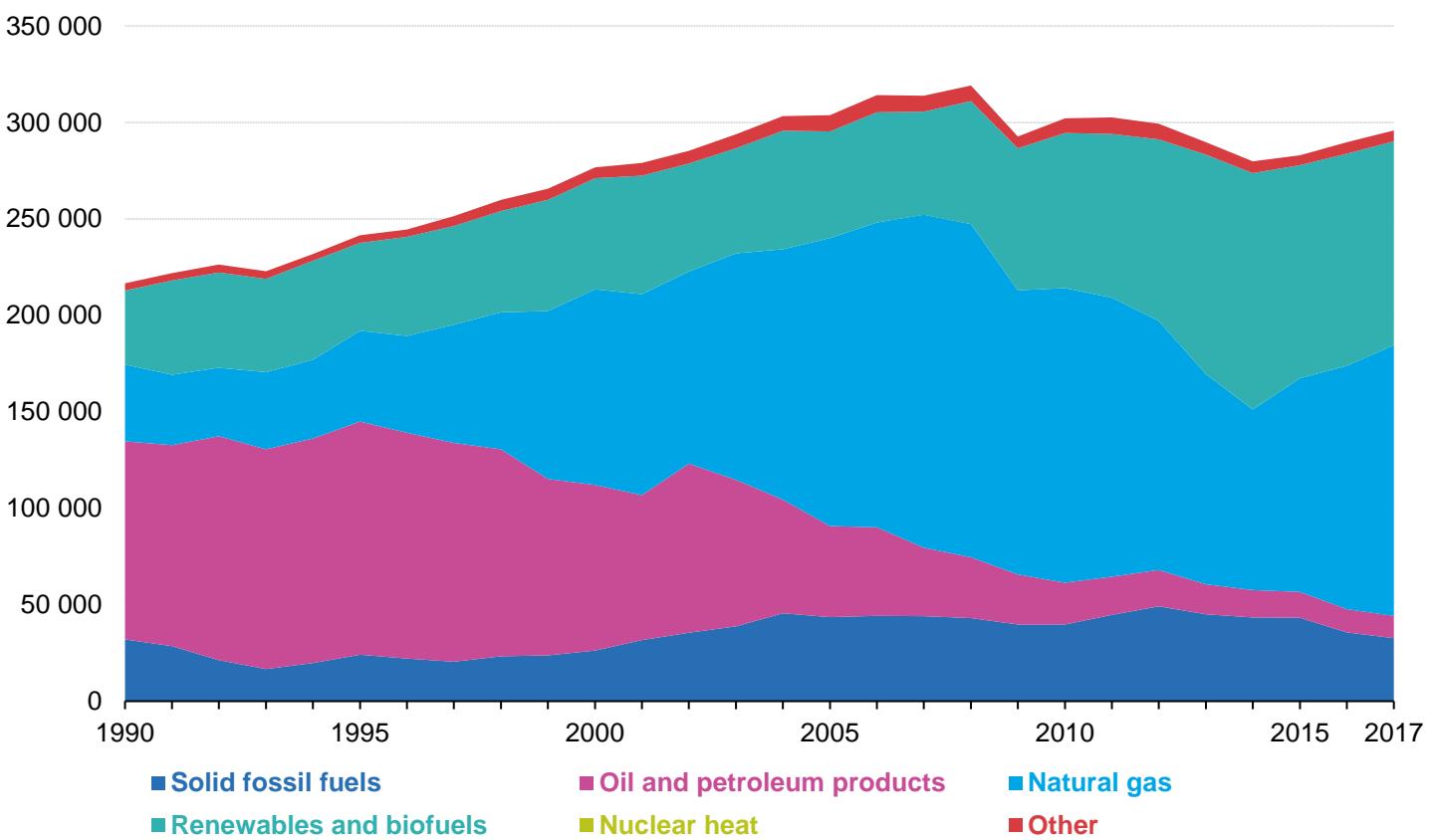
Energy balance sheets — 2017 data

# Italy

## Gross available energy by fuel, ktoe



## Gross electricity production by fuel, GWh

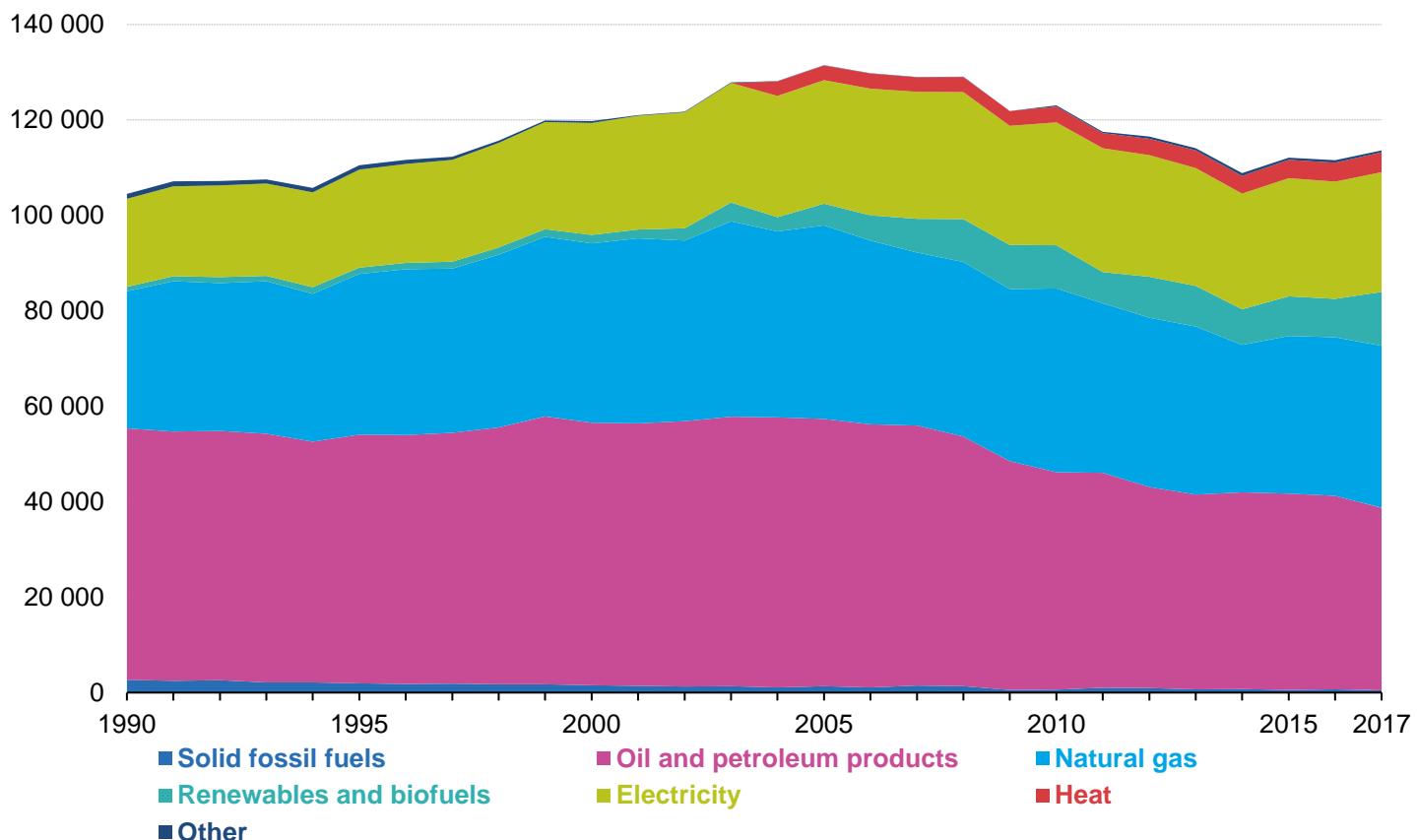


Source: Eurostat (nrg\_bal\_c)

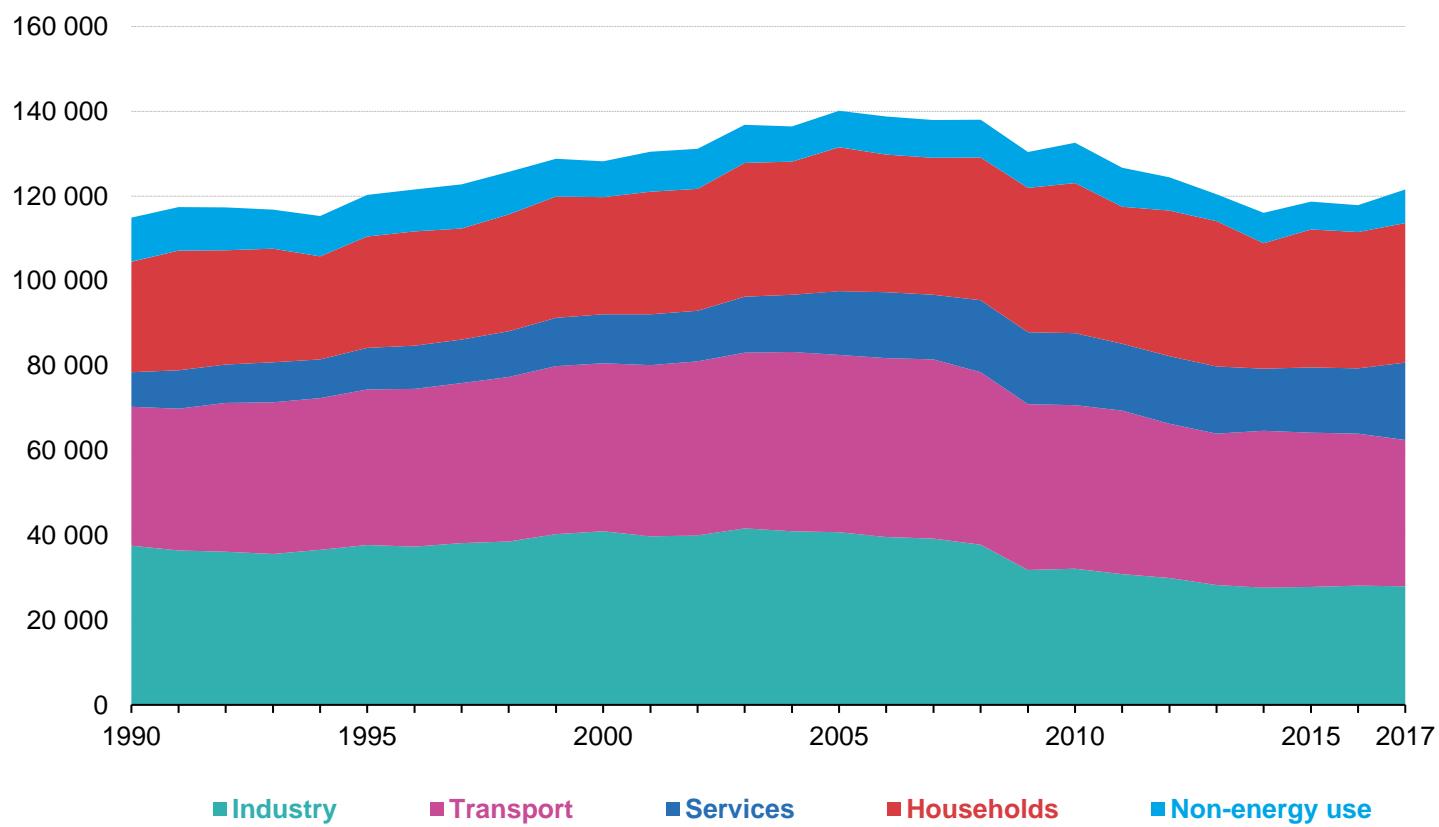
Note: Please refer to page 23 for related methodological definitions.

# Italy

## Final energy consumption by fuel, ktoe



## Final consumption by sector, ktoe



Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

Cyprus ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	132.1	0.0	Z	0.0	0.0	0.0	0.0	128.8	3.3	0.0	Z	Z
+ Recovered & recycled products	5.6	0.0	Z	0.0	0.0	5.6	Z	0.0	Z	Z	Z	Z
+ Imports	2 711.4	9.7	0.0	0.0	0.0	2 647.2	0.0	36.8	17.6	Z	0.0	0.0
- Exports	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Change in stock	-34.4	-6.7	0.0	0.0	0.0	-29.2	0.0	0.8	0.7	Z	Z	Z
= Gross available energy	<b>2 814.6</b>	<b>3.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 623.6</b>	<b>0.0</b>	<b>166.5</b>	<b>21.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
- International maritime bunkers	253.3	0.0	0.0	0.0	0.0	253.3	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>2 561.3</b>	<b>3.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 370.3</b>	<b>0.0</b>	<b>166.5</b>	<b>21.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
- International aviation	315.1	Z	Z	Z	Z	315.1	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>2 246.2</b>	<b>3.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 055.2</b>	<b>0.0</b>	<b>166.5</b>	<b>21.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Transformation input</b>	<b>1 065.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 018.7</b>	<b>0.0</b>	<b>47.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation	1 059.4	0.0	0.0	0.0	0.0	1 018.7	0.0	40.7	0.0	0.0	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	2.2	Z	Z	Z	Z	Z	Z	2.2	Z	Z	Z	Z
+ Charcoal production plants	4.1	Z	Z	Z	Z	Z	Z	4.1	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>435.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>4.0</b>	<b>Z</b>	<b>Z</b>	<b>1.3</b>	<b>430.3</b>
+ Electricity & heat generation	431.6	Z	Z	Z	Z	Z	Z	Z	Z	Z	1.3	430.3
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	2.2	Z	Z	Z	Z	Z	Z	2.2	Z	Z	Z	Z
+ Charcoal production plants	1.8	Z	Z	Z	Z	Z	Z	1.8	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>19.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>19.9</b>	
+ Own use in electricity & heat genera	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	19.4
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.2
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0
+ Not elsewhere specified (energy)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.2
<b>Distribution losses</b>	<b>19.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>19.6</b>	
<b>Available for final consumption</b>	<b>1 576.7</b>	<b>3.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 036.5</b>	<b>0.0</b>	<b>123.5</b>	<b>21.6</b>	<b>0.0</b>	<b>1.3</b>	<b>390.8</b>
<b>Final non-energy consumption</b>	<b>38.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>38.8</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>1 536.5</b>	<b>3.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>996.6</b>	<b>0.0</b>	<b>123.5</b>	<b>21.6</b>	<b>Z</b>	<b>1.3</b>	<b>390.5</b>
+ Industry	229.5	3.0	0.0	0.0	0.0	138.7	0.0	21.7	21.6	Z	0.0	44.6
+ Iron & steel	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.2
+ Chemical & petrochemical	5.9	0.0	0.0	0.0	0.0	1.6	0.0	0.5	0.0	Z	0.0	3.8
+ Non-ferrous metals	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	Z	0.0	0.0
+ Non-metallic minerals	154.4	3.0	0.0	0.0	0.0	94.9	0.0	20.0	21.6	Z	0.0	15.0
+ Transport equipment	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.2
+ Machinery	1.9	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Z	0.0	1.8
+ Mining & quarrying	5.6	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	Z	0.0	2.5
+ Food, beverages & tobacco	38.5	0.0	0.0	0.0	0.0	22.2	0.0	1.2	0.0	Z	0.0	15.1
+ Paper, pulp & printing	2.4	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	Z	0.0	1.4
+ Wood & wood products	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.5
+ Construction	14.9	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	Z	0.0	0.4
+ Textile & leather	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.4
+ Not elsewhere specified (industry)	3.8	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	Z	0.0	3.2
+ Transport	676.6	0.0	0.0	0.0	0.0	668.0	0.0	8.6	0.0	Z	Z	0.0
+ Rail	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	0.0
+ Road	676.6	Z	Z	Z	Z	668.0	0.0	8.6	0.0	Z	Z	0.0
+ Domestic aviation	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	630.4	0.0	0.0	0.0	0.0	189.9	0.0	93.2	0.0	Z	1.3	346.0
+ Commercial & public services	229.5	0.0	0.0	0.0	0.0	31.4	0.0	17.8	0.0	Z	0.0	180.3
+ Households	336.7	0.0	0.0	0.0	0.0	122.1	0.0	71.5	0.0	Z	0.0	143.1
+ Agriculture & forestry	45.0	0.0	0.0	0.0	0.0	25.4	0.0	3.9	0.0	Z	1.3	14.4
+ Fishing	2.3	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	Z	0.0	0.3
+ Not elsewhere specified (other)	16.8	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	Z	0.0	7.8
<b>Statistical differences</b>	<b>1.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>
Gross electricity production	430.3	0.0	0.0	0.0	0.0	392.9	0.0	37.4	0.0	0.0	Z	Z
Gross heat production	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	Z	0.0

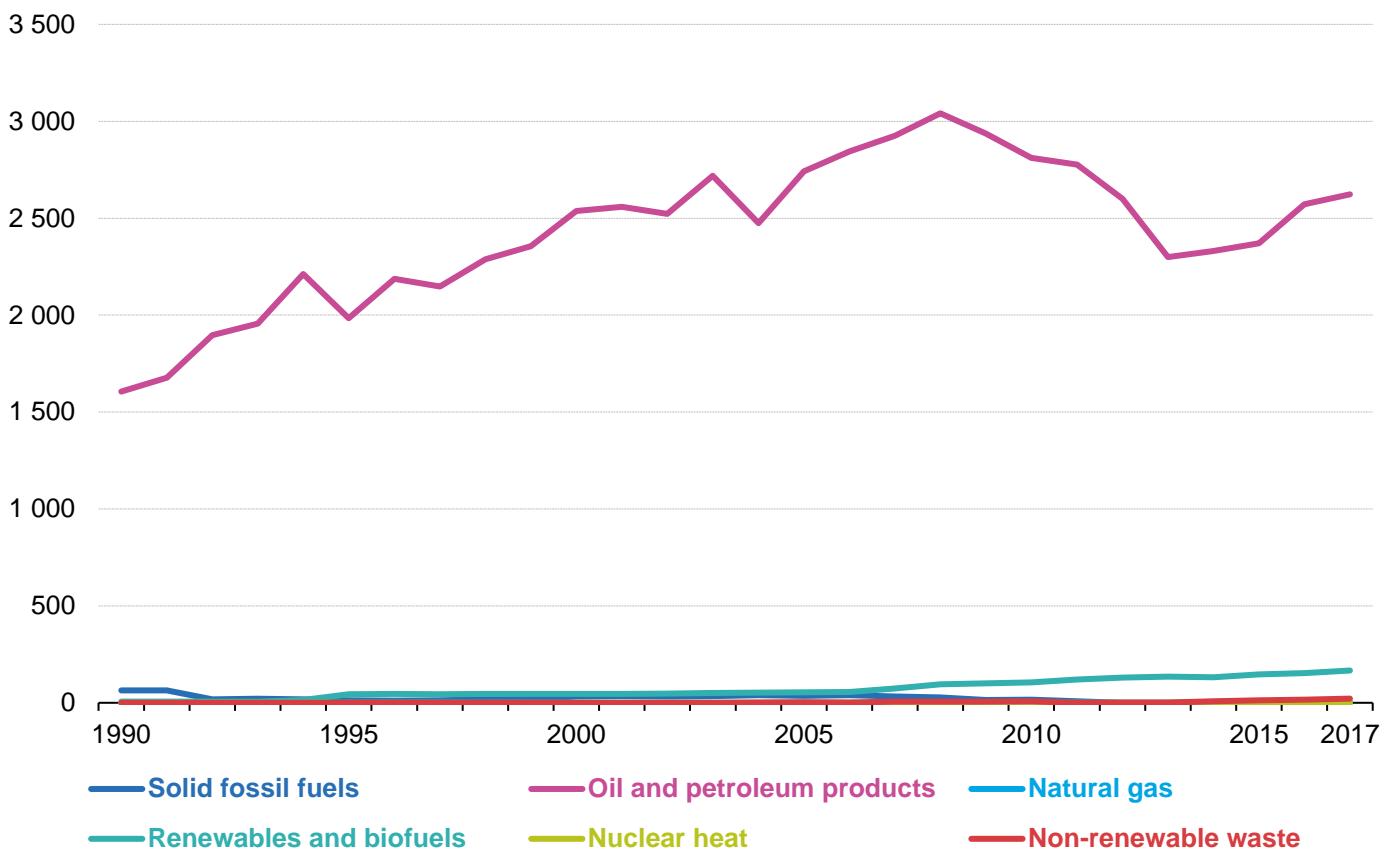
Source: Eurostat (nrg\_bal\_c)

Cyprus	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	2 835	2 941	2 905	2 730	2 435	2 473	2 533	2 741	2 815	
Solid fossil fuels	36	17	7	0	0	2	4	0	3	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Petroleum products	2 743	2 812	2 777	2 599	2 299	2 331	2 370	2 572	2 624	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	54	106	121	129	134	133	147	153	166	
Non-renewable wastes	3	7	0	1	1	8	12	16	22	
<b>Primary production</b>	51	89	96	107	109	118	121	129	132	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	48	82	96	107	109	111	118	124	129	
Non-renewable wastes	3	7	0	0	0	7	3	5	3	
<b>Net imports</b>	2 855	2 964	2 685	2 647	2 345	2 306	2 474	2 636	2 711	
Solid fossil fuels	43	11	0	0	0	3	4	0	10	
Crude oil	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	619	698	636	721	687	561	576	632	805	
Motor Gasoline (w/o bio)	350	425	398	385	363	362	383	377	370	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	55	58	61	60	56	54	61	60	63	
All other oil & petroleum products	1 781	1 749	1 565	1 459	1 212	1 304	1 416	1 522	1 410	
Natural gas	0	0	0	0	0	0	0	0	0	
<b>Transformation input</b>	1 092	1 208	1 174	1 128	914	937	973	1 056	1 066	
Electricity & heat generation	1 088	1 201	1 167	1 120	907	932	968	1 052	1 059	
Refinery intake	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	378	464	431	413	376	379	395	423	436	
Electricity & heat generation	376	458	425	406	370	375	391	421	432	
Refinery output	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	22	20	21	16	16	20	20	19	20	
<b>Distribution losses</b>	14	19	14	12	16	15	18	23	20	
<b>Available for final consumption</b>	1 492	1 690	1 622	1 514	1 381	1 407	1 429	1 504	1 577	
Solid fossil fuels	36	17	7	0	0	2	4	0	3	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	517	447	467	427	345	346	367	389	428	
Motor Gasoline (w/o bio)	346	416	398	385	365	360	368	372	370	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	58	55	62	59	59	54	61	60	61	
All other oil & petroleum products	142	231	194	160	170	193	155	177	176	
Natural gas	0	0	0	0	0	0	0	0	0	
Primary solid biofuels & charcoal	2	11	11	4	4	7	7	6	8	
Liquid biofuels	0	15	16	18	15	10	10	9	10	
All other renewable energies	49	72	77	82	84	85	91	96	106	
Non-renewable wastes	3	7	0	1	1	8	12	16	22	
Electricity	340	419	390	378	337	341	352	378	391	
Heat	0	0	1	1	1	1	1	1	1	
<b>Statistical difference</b>	-108	-37	-55	-12	-13	9	-10	-17	1	
<b>Final non-energy consumption</b>	73	85	67	39	27	24	24	39	39	
<b>Final energy consumption</b>	1 527	1 642	1 609	1 487	1 367	1 373	1 415	1 481	1 536	
Industry	320	236	209	172	184	224	210	214	230	
Transport	676	765	744	688	620	600	622	654	677	
Other sectors	531	641	656	627	563	550	583	614	630	
Services	161	248	237	223	203	201	207	226	230	
Households	317	332	352	345	301	290	317	326	337	

Source: Eurostat (nrg\_bal\_c)

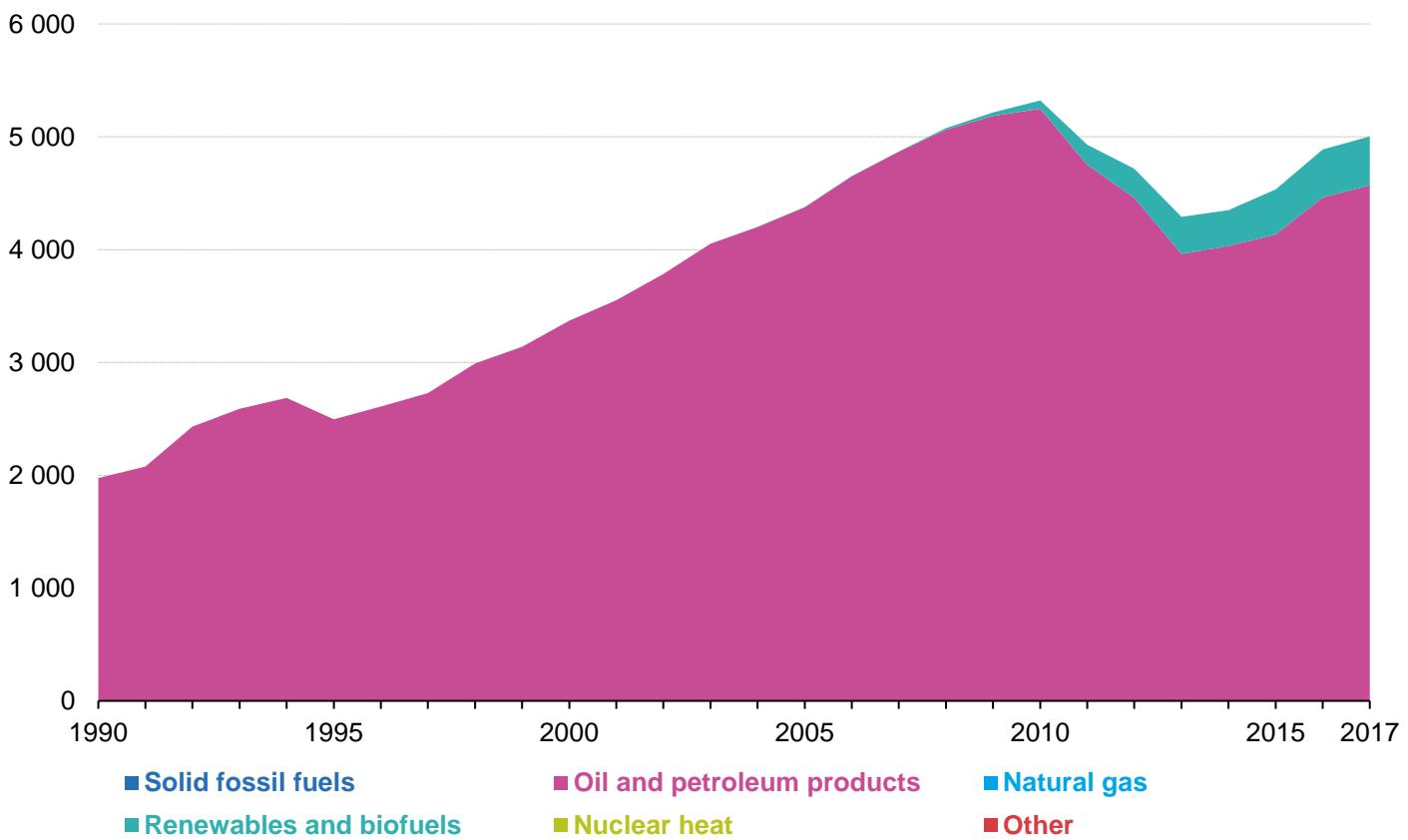
# Cyprus

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

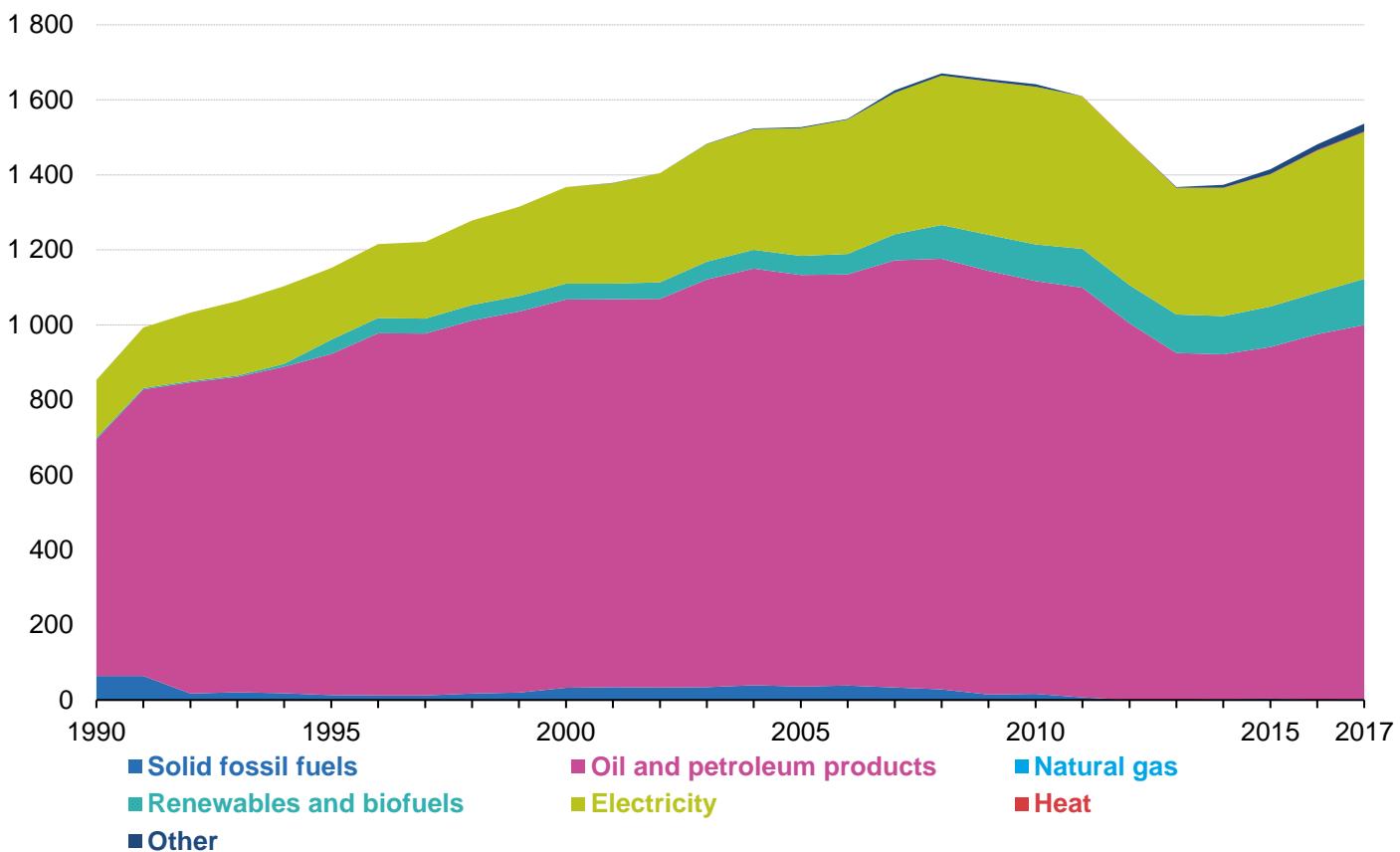


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

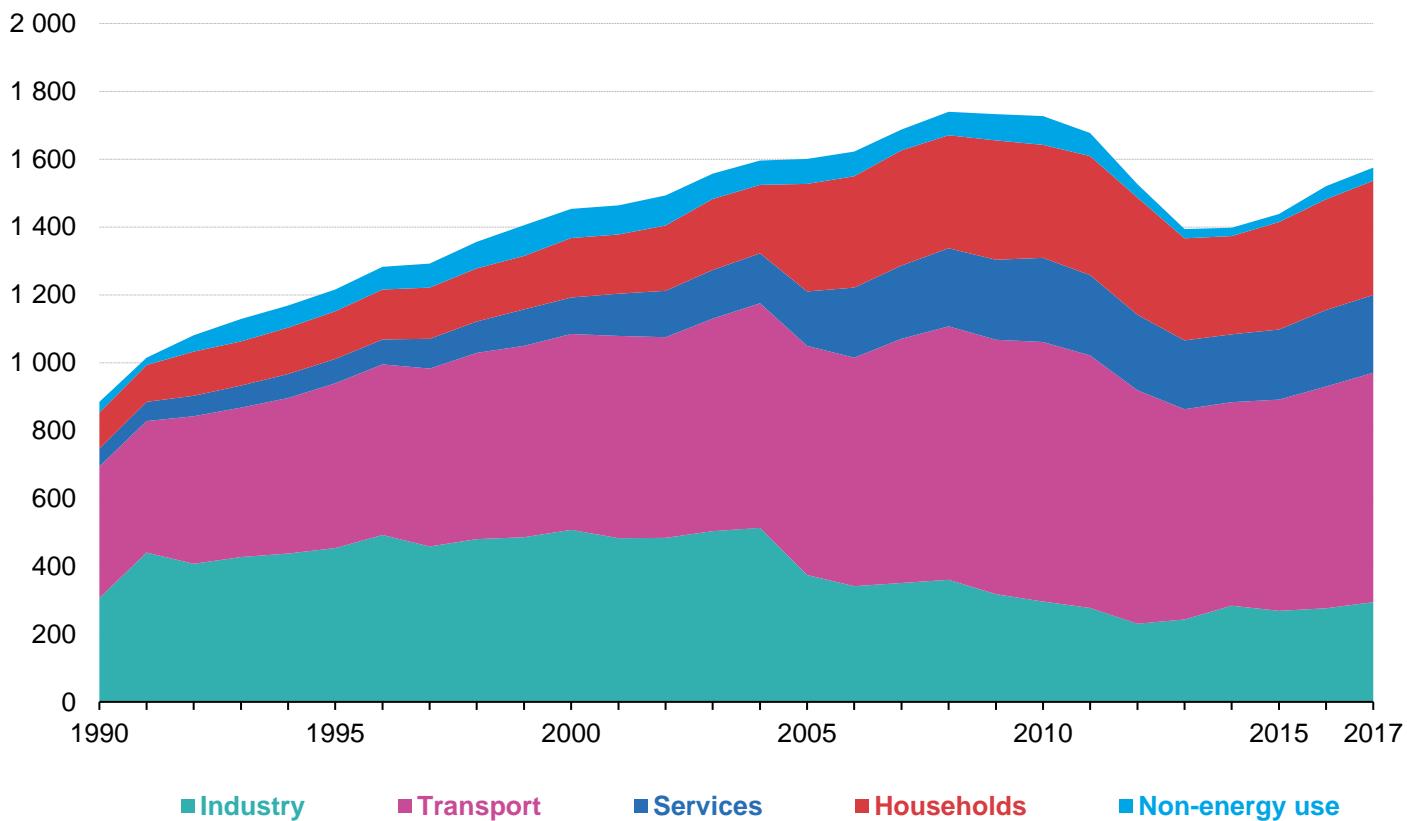
# Cyprus

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Latvia		Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017												
+ Primary production	2 587.2	0.0	Z	0.5	0.0	0.0	0.0	0.0	2 580.1	6.7	0.0	Z	Z
+ Recovered & recycled products	13.0	0.0	Z	0.0	0.0	0.0	13.0	Z	0.0	Z	Z	Z	Z
+ Imports	4 174.3	39.1	0.0	0.0	0.0	0.0	2 593.9	1 012.7	158.5	19.9	Z	0.0	350.2
- Exports	2 054.6	3.4	0.0	0.3	0.0	769.9	0.0	925.2	0.0	Z	0.0	Z	355.7
+ Change in stock	91.6	4.6	0.0	0.5	0.0	-15.2	-19.8	121.8	-0.5	Z	Z	Z	Z
= Gross available energy	<b>4 811.6</b>	<b>40.4</b>	<b>0.0</b>	<b>0.7</b>	<b>0.0</b>	<b>1 821.8</b>	<b>993.0</b>	<b>1 935.2</b>	<b>26.1</b>	<b>0.0</b>	<b>0.0</b>	<b>-5.5</b>	
- International maritime bunkers	260.2	0.0	0.0	0.0	0.0	260.2	0.0	0.0	Z	Z	Z	Z	Z
= Gross inland consumption	<b>4 551.4</b>	<b>40.4</b>	<b>0.0</b>	<b>0.7</b>	<b>0.0</b>	<b>1 561.6</b>	<b>993.0</b>	<b>1 935.2</b>	<b>26.1</b>	<b>0.0</b>	<b>0.0</b>	<b>-5.5</b>	
- International aviation	139.9	Z	Z	Z	Z	139.9	Z	0.0	Z	Z	Z	Z	Z
= Total energy supply	<b>4 411.4</b>	<b>40.4</b>	<b>0.0</b>	<b>0.7</b>	<b>0.0</b>	<b>1 421.7</b>	<b>993.0</b>	<b>1 935.2</b>	<b>26.1</b>	<b>0.0</b>	<b>0.0</b>	<b>-5.5</b>	
<b>Transformation input</b>	<b>1 622.1</b>	<b>3.7</b>	<b>0.0</b>	<b>0.7</b>	<b>0.0</b>	<b>1.2</b>	<b>643.1</b>	<b>973.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	
+ Electricity & heat generation	1 588.3	3.7	0.0	0.0	0.0	0.0	1.1	643.1	940.2	0.0	0.0	0.0	0.1
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z
+ BKB & PB plants	0.7	0.0	0.0	0.7	0.0	Z	Z	0.0	0.0	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	10.8	Z	Z	Z	Z	Z	Z	10.8	Z	Z	Z	Z	Z
+ Charcoal production plants	22.3	Z	Z	Z	Z	Z	Z	22.3	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>	<b>1 384.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>19.8</b>	<b>Z</b>	<b>Z</b>	<b>716.3</b>	<b>647.6</b>	
+ Electricity & heat generation	1 363.8	Z	Z	Z	Z	Z	Z	Z	Z	Z	716.3	647.6	
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.3	0.0	Z	0.3	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	10.8	Z	Z	Z	Z	Z	Z	10.8	Z	Z	Z	Z	Z
+ Charcoal production plants	9.0	Z	Z	Z	Z	Z	Z	9.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	Z	Z	0.0	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>85.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.8</b>	<b>10.5</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>26.1</b>	<b>43.5</b>	
+ Own use in electricity & heat genera	85.9	0.0	0.0	0.0	0.0	5.8	10.5	0.0	0.0	Z	26.1	43.5	
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Not elsewhere specified (energy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0
<b>Distribution losses</b>	<b>137.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11.4</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>85.4</b>	<b>40.8</b>	
<b>Available for final consumption</b>	<b>3 949.8</b>	<b>36.7</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>1 414.7</b>	<b>328.0</b>	<b>981.7</b>	<b>26.1</b>	<b>0.0</b>	<b>604.8</b>	<b>557.6</b>	
<b>Final non-energy consumption</b>	<b>85.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>85.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>	<b>3 875.2</b>	<b>36.7</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>1 340.1</b>	<b>328.0</b>	<b>981.7</b>	<b>26.1</b>	<b>Z</b>	<b>604.8</b>	<b>557.6</b>	
+ Industry	793.4	23.3	0.0	0.0	0.0	55.1	107.6	351.1	26.1	Z	78.6	151.6	
+ Iron & steel	1.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Z	0.1	1.3	
+ Chemical & petrochemical	25.9	0.0	0.0	0.0	0.0	3.6	10.7	5.1	0.0	Z	1.0	5.5	
+ Non-ferrous metals	1.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	Z	0.0	0.4	
+ Non-metallic minerals	130.7	21.5	0.0	0.0	0.0	8.0	30.6	21.8	26.1	Z	0.3	22.5	
+ Transport equipment	7.6	0.1	0.0	0.0	0.0	0.7	1.0	0.1	0.0	Z	1.7	4.0	
+ Machinery	17.4	0.2	0.0	0.0	0.0	0.8	5.0	3.2	0.0	Z	0.4	7.7	
+ Mining & quarrying	7.8	0.0	0.0	0.0	0.0	4.4	0.8	0.3	0.0	Z	0.0	2.4	
+ Food, beverages & tobacco	78.0	1.0	0.0	0.0	0.0	8.5	29.6	8.9	0.0	Z	5.2	24.8	
+ Paper, pulp & printing	5.5	0.0	0.0	0.0	0.0	0.1	2.5	0.2	0.0	Z	0.2	2.4	
+ Wood & wood products	464.8	0.1	0.0	0.0	0.0	10.7	15.0	306.3	0.0	Z	67.2	65.5	
+ Construction	32.0	0.2	0.0	0.0	0.0	17.7	6.0	1.3	0.0	Z	1.0	5.8	
+ Textile & leather	8.2	0.1	0.0	0.0	0.0	0.1	4.4	0.3	0.0	Z	0.6	2.6	
+ Not elsewhere specified (industry)	12.8	0.2	0.0	0.0	0.0	0.5	1.2	3.3	0.0	Z	0.9	6.7	
+ Transport	1 080.8	0.0	0.0	0.0	0.0	1 062.6	0.0	9.3	0.0	Z	Z	9.0	
+ Rail	56.5	0.0	0.0	0.0	0.0	52.4	Z	0.7	0.0	Z	Z	3.4	
+ Road	1 017.3	Z	Z	Z	Z	1 004.1	0.0	8.6	0.0	Z	Z	4.6	
+ Domestic aviation	1.5	Z	Z	Z	Z	1.5	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation	4.6	0.0	0.0	0.0	0.0	4.6	Z	0.0	0.0	Z	Z	Z	
+ Pipeline transport	1.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	1.0	
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Other	2 001.0	13.4	0.0	0.3	0.0	222.4	220.5	621.3	0.0	Z	526.2	397.0	
+ Commercial & public services	608.0	3.6	0.0	0.3	0.0	37.2	101.1	85.9	0.0	Z	142.3	237.7	
+ Households	1 196.6	9.8	0.0	0.0	0.0	55.3	111.3	505.4	0.0	Z	372.4	142.4	
+ Agriculture & forestry	186.8	0.0	0.0	0.0	0.0	121.9	8.0	29.9	0.0	Z	11.3	15.7	
+ Fishing	8.7	0.0	0.0	0.0	0.0	7.5	0.1	0.1	0.0	Z	0.0	1.0	
+ Not elsewhere specified (other)	0.8	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	Z	0.1	0.1	0.1
<b>Statistical differences</b>	<b>-10.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-10.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
Gross electricity production	647.6	0.0	0.0	0.0	0.0	0.0	177.9	469.6	0.0	0.0	Z	Z	
Gross heat production	716.0	2.4	0.0	0.0	0.0	0.9	396.6	316.0	0.0	0.0	Z	0.1	

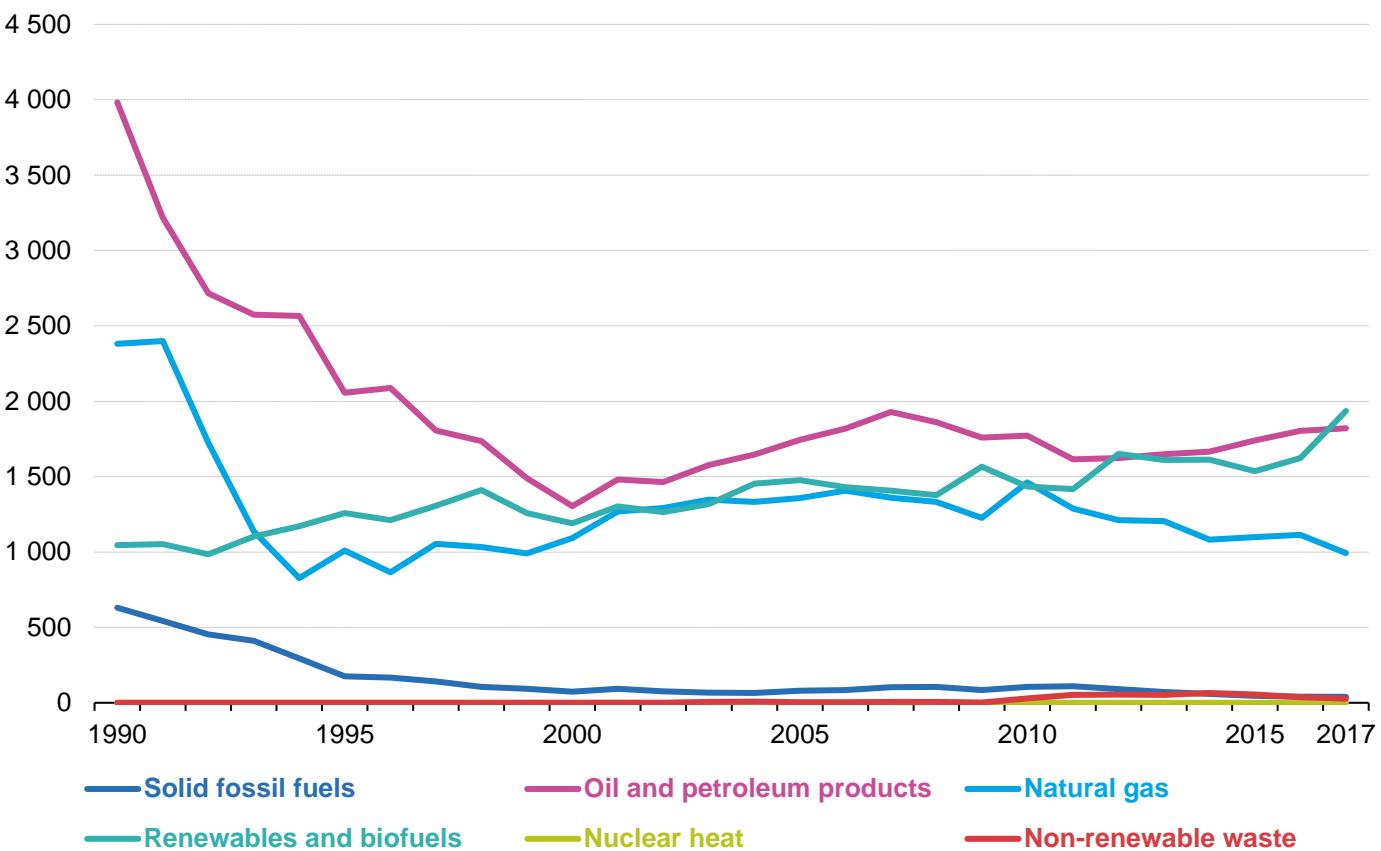
Source: Eurostat (nrg\_bal\_c)

Latvia	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	4 849	4 881	4 592	4 778	4 706	4 684	4 634	4 707	4 812	
Solid fossil fuels	80	107	110	91	71	59	46	40	40	
Peat & peat products	2	2	1	1	2	1	0	1	1	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	4	1	2	1	0	0	0	0	0	
Petroleum products	1 741	1 771	1 613	1 622	1 648	1 665	1 741	1 803	1 822	
Natural gas	1 358	1 462	1 288	1 211	1 205	1 082	1 098	1 113	993	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	1 476	1 434	1 418	1 651	1 611	1 613	1 537	1 624	1 935	
Non-renewable wastes	4	28	53	56	53	65	55	37	26	
<b>Primary production</b>	1 861	1 977	2 075	2 337	2 143	2 380	2 338	2 447	2 587	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	3	2	0	2	2	1	0	1	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	1 854	1 964	2 071	2 331	2 137	2 371	2 330	2 437	2 580	
Non-renewable wastes	4	10	4	3	4	8	8	9	7	
<b>Net imports</b>	3 096	2 223	2 749	2 694	2 630	1 901	2 372	2 219	2 120	
Solid fossil fuels	78	113	112	90	65	46	39	35	36	
Crude oil	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	905	949	915	980	956	873	1 160	1 302	1 202	
Motor Gasoline (w/o bio)	363	248	265	239	215	205	202	203	185	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	61	49	59	78	90	103	97	101	103	
All other oil & petroleum products	453	428	405	352	393	358	333	362	335	
Natural gas	1 434	903	1 410	1 378	1 392	780	1 083	923	1 013	
<b>Transformation input</b>	1 663	1 492	1 349	1 395	1 466	1 329	1 391	1 527	1 622	
Electricity & heat generation	1 342	1 452	1 308	1 359	1 430	1 286	1 350	1 497	1 588	
Refinery intake	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	1 467	1 289	1 154	1 202	1 189	1 090	1 116	1 266	1 384	
Electricity & heat generation	1 166	1 254	1 121	1 172	1 161	1 057	1 084	1 244	1 364	
Refinery output	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	89	87	87	82	86	91	87	90	86	
<b>Distribution losses</b>	197	167	151	151	143	134	124	134	138	
<b>Available for final consumption</b>	4 049	4 055	3 827	3 994	3 838	3 878	3 786	3 784	3 950	
Solid fossil fuels	73	93	97	77	59	53	42	35	37	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	1	1	1	0	1	0	1	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	779	926	835	833	857	894	954	960	1 036	
Motor Gasoline (w/o bio)	355	283	264	230	214	224	206	198	189	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	61	50	58	78	91	101	98	99	101	
All other oil & petroleum products	159	123	105	106	112	98	114	102	89	
Natural gas	508	498	397	402	350	327	317	321	328	
Primary solid biofuels & charcoal	1 008	914	957	1 057	987	1 010	906	870	940	
Liquid biofuels	3	27	25	22	22	24	25	13	11	
All other renewable energies	3	4	5	8	10	11	10	10	31	
Non-renewable wastes	4	28	53	56	53	65	55	37	26	
Electricity	493	534	532	589	565	566	556	557	558	
Heat	603	575	499	535	518	505	504	581	605	
<b>Statistical difference</b>	-7	-20	-21	-13	-1	8	-7	-10	-11	
<b>Final non-energy consumption</b>	97	73	97	98	107	94	113	97	85	
<b>Final energy consumption</b>	3 959	4 002	3 751	3 908	3 732	3 776	3 680	3 697	3 875	
Industry	699	774	748	827	768	791	788	749	793	
Transport	1 008	1 083	965	930	940	982	1 038	1 034	1 081	
Other sectors	2 253	2 145	2 039	2 151	2 025	2 003	1 855	1 915	2 001	
Services	595	598	557	623	600	609	586	592	608	
Households	1 504	1 389	1 327	1 376	1 267	1 238	1 106	1 143	1 197	
<b>Europe 2020-2030 indicators</b>	2005	2010	2011	2012	2013	2014	2015	2016	2017	
Gross inland consumption	4 589	4 629	4 377	4 538	4 466	4 452	4 379	4 392	4 550	
Primary energy consumption	4 492	4 556	4 280	4 440	4 359	4 358	4 266	4 295	4 465	
Final energy consumption	4 018	4 120	3 869	4 027	3 855	3 885	3 788	3 820	4 014	

Source: Eurostat (nrg\_bal\_c)

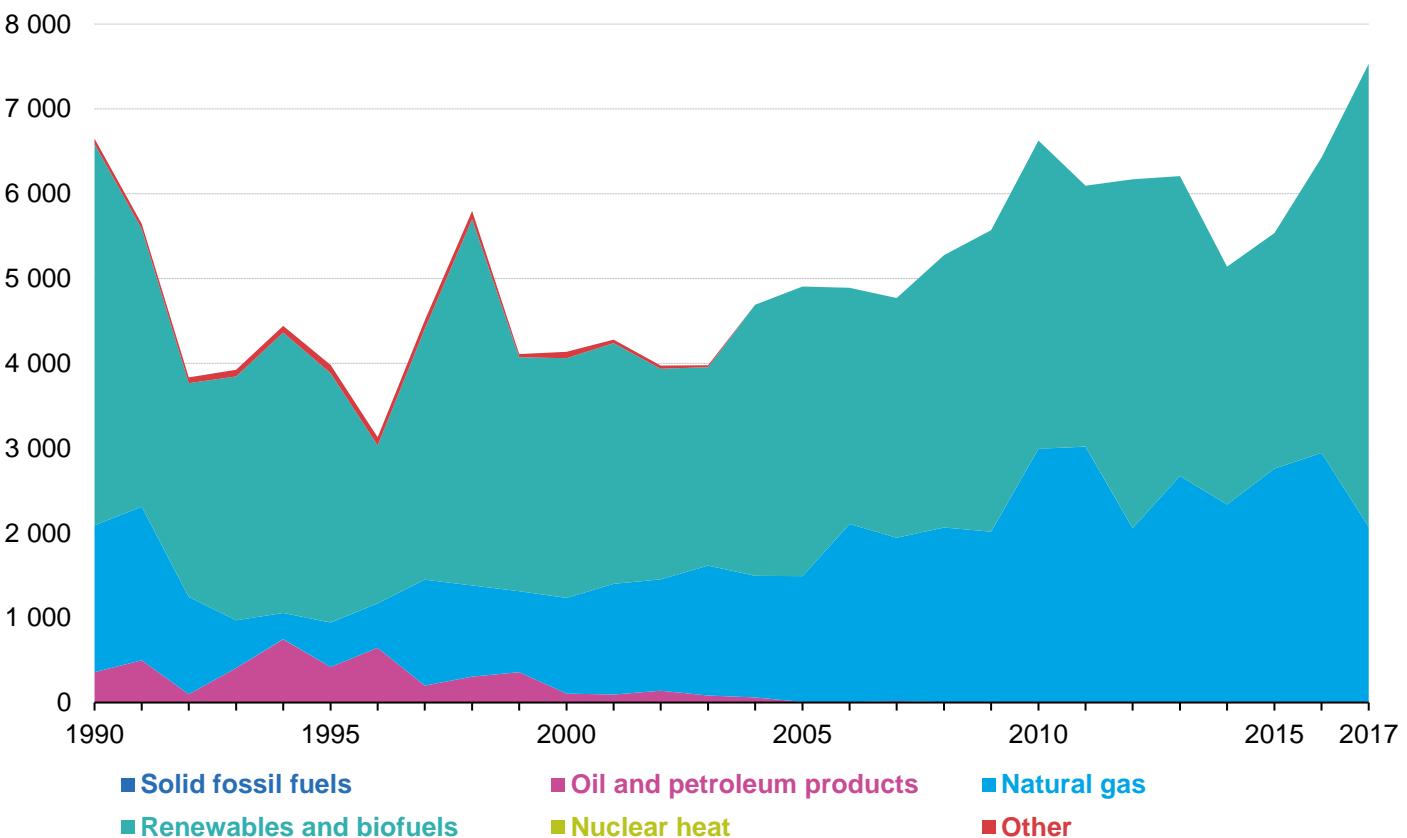
# Latvia

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

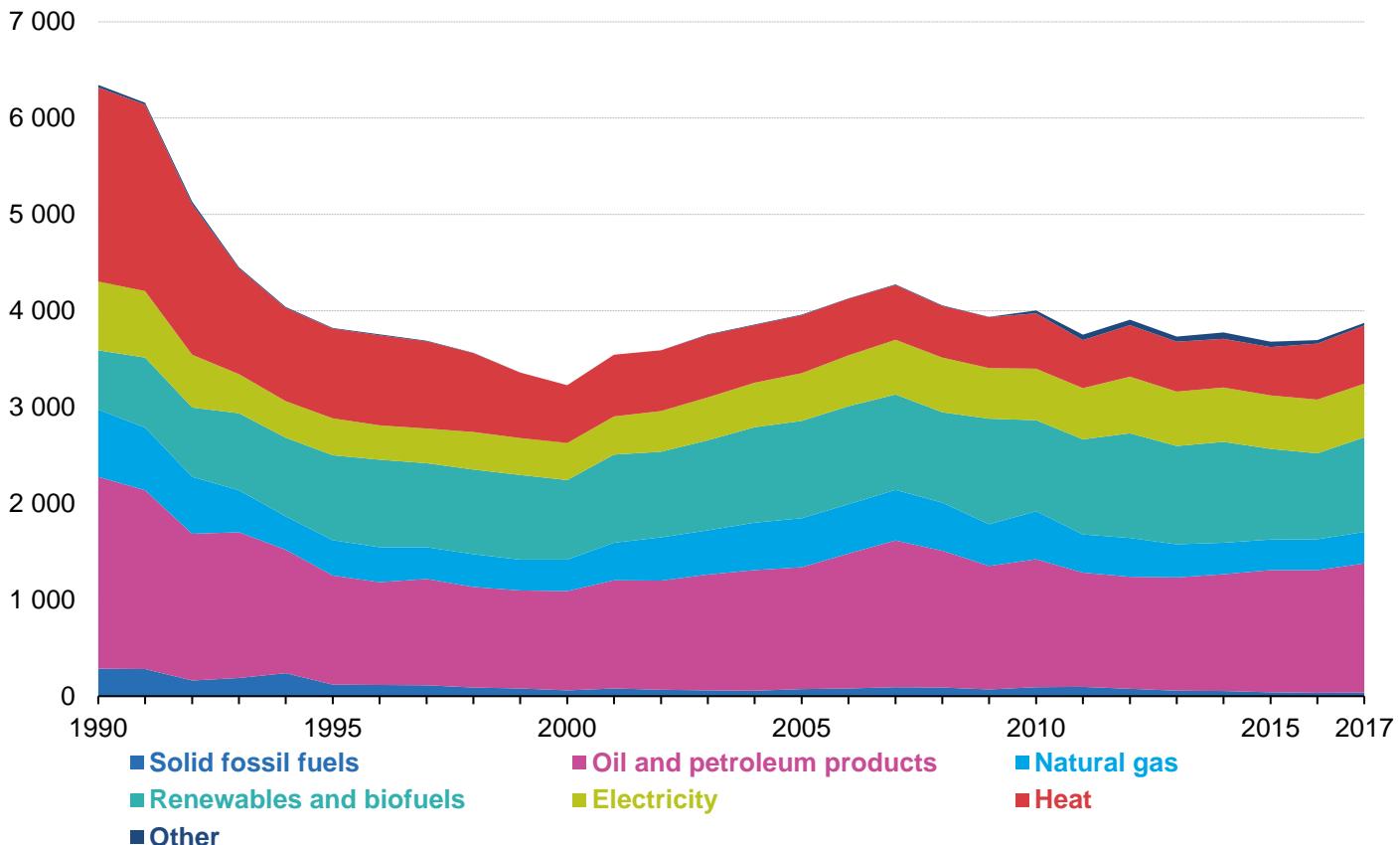


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

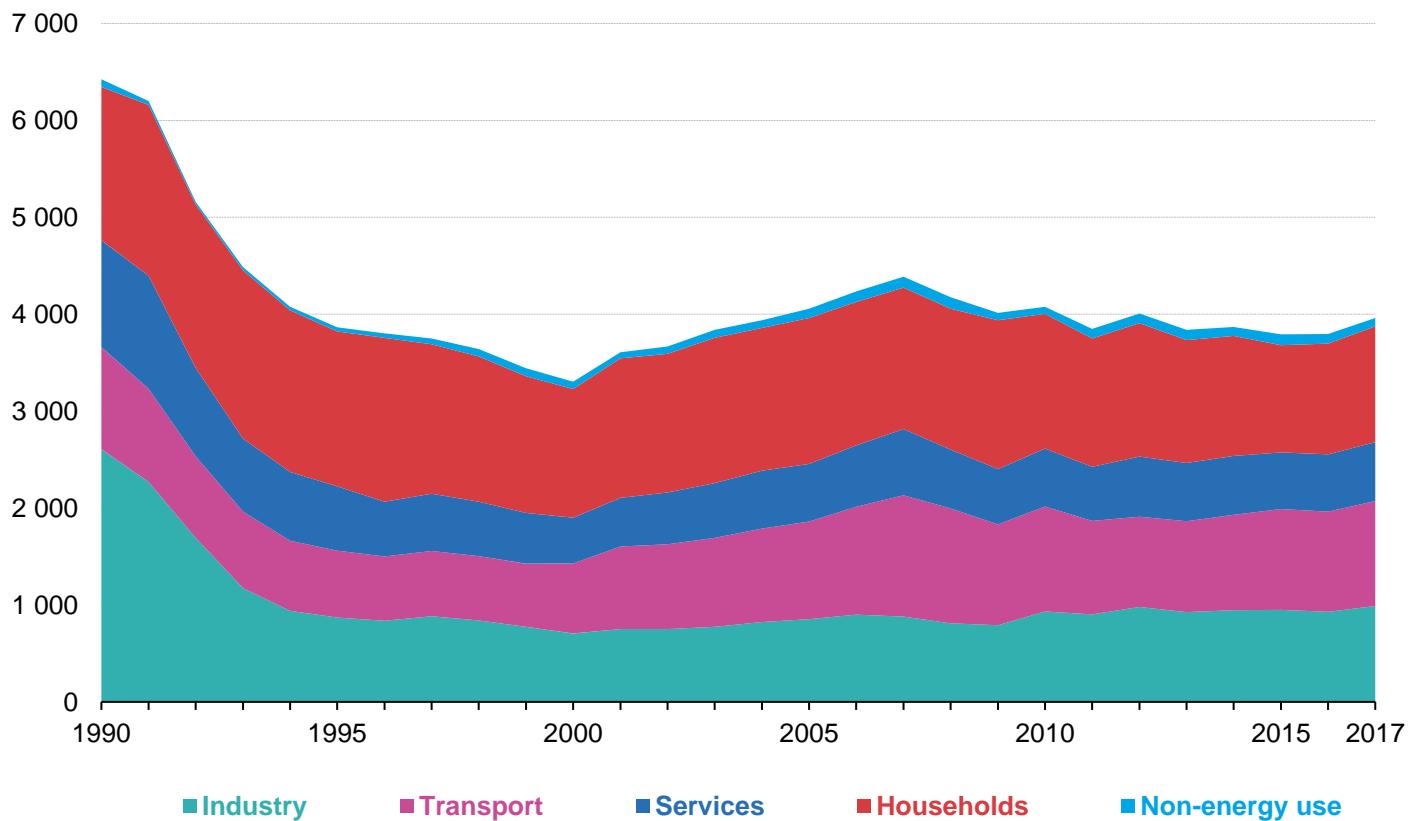
# Latvia

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Lithuania ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	1 753.8	0.0	Z	6.8	0.0	56.5	0.0	1 656.4	34.1	0.0	Z	Z
+ Recovered & recycled products	6.5	0.0	Z	0.0	0.0	6.5	Z	0.0	Z	Z	Z	Z
+ Imports	14 789.2	175.9	0.0	18.8	0.0	11 330.1	2 079.9	159.1	0.0	Z	0.0	1 025.5
- Exports	9 083.5	0.0	0.0	1.6	0.0	8 356.9	171.5	274.1	0.0	Z	0.0	279.4
+ Change in stock	80.5	-12.7	0.0	9.6	0.0	49.7	13.1	21.3	-0.5	Z	Z	Z
= Gross available energy	<b>7 546.6</b>	<b>163.2</b>	<b>0.0</b>	<b>33.6</b>	<b>0.0</b>	<b>3 085.9</b>	<b>1 921.4</b>	<b>1 562.7</b>	<b>33.7</b>	<b>0.0</b>	<b>0.0</b>	<b>746.1</b>
- International maritime bunkers	174.7	0.0	0.0	0.0	0.0	174.7	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>7 371.8</b>	<b>163.2</b>	<b>0.0</b>	<b>33.6</b>	<b>0.0</b>	<b>2 911.2</b>	<b>1 921.4</b>	<b>1 562.7</b>	<b>33.7</b>	<b>0.0</b>	<b>0.0</b>	<b>746.1</b>
- International aviation	105.9	Z	Z	Z	Z	105.9	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>7 266.0</b>	<b>163.2</b>	<b>0.0</b>	<b>33.6</b>	<b>0.0</b>	<b>2 805.3</b>	<b>1 921.4</b>	<b>1 562.7</b>	<b>33.7</b>	<b>0.0</b>	<b>0.0</b>	<b>746.1</b>
<b>Transformation input</b>	<b>12 591.9</b>	<b>1.6</b>	<b>0.0</b>	<b>10.0</b>	<b>0.0</b>	<b>11 117.4</b>	<b>337.7</b>	<b>956.2</b>	<b>33.5</b>	<b>0.0</b>	<b>66.6</b>	<b>68.9</b>
+ Electricity & heat generation	1 438.4	1.6	0.0	8.2	0.0	28.4	337.7	893.5	33.5	0.0	66.6	68.9
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	11 089.0	Z	Z	Z	Z	11 089.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	1.8	0.0	0.0	1.8	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	62.2	Z	Z	Z	Z	Z	Z	62.2	Z	Z	Z	Z
+ Charcoal production plants	0.5	Z	Z	Z	Z	Z	Z	0.5	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>12 585.4</b>	<b>0.0</b>	<b>0.0</b>	<b>1.5</b>	<b>Z</b>	<b>11 044.9</b>	<b>0.0</b>	<b>62.4</b>	<b>Z</b>	<b>Z</b>	<b>1 116.5</b>	<b>360.0</b>
+ Electricity & heat generation	1 476.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	1 116.5	360.0
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	11 044.9	Z	Z	Z	Z	11 044.9	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	1.5	0.0	Z	1.5	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	62.2	Z	Z	Z	Z	Z	Z	62.2	Z	Z	Z	Z
+ Charcoal production plants	0.2	Z	Z	Z	Z	Z	Z	0.2	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	Z	Z	0.0	Z	Z	Z	Z
<b>Energy sector</b>	<b>622.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>501.3</b>	<b>18.5</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>9.5</b>	<b>93.7</b>
+ Own use in electricity & heat genera	26.3	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	Z	9.4	16.4
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Oil & natural gas extraction plants	1.8	Z	Z	Z	Z	0.2	0.0	0.0	0.0	Z	Z	1.5
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.8	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.1	0.7
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	553.5	0.0	0.0	0.0	0.0	496.7	1.5	0.0	0.0	Z	0.0	55.2
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	16.4	Z	Z	Z	Z	Z	16.4	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	24.1	0.0	0.0	0.0	0.0	3.8	0.6	0.0	0.0	Z	0.0	19.8
<b>Distribution losses</b>	<b>200.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>0.9</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>Z</b>	<b>119.8</b>	<b>78.6</b>
<b>Available for final consumption</b>	<b>6 436.2</b>	<b>161.6</b>	<b>0.0</b>	<b>24.2</b>	<b>0.0</b>	<b>2 230.7</b>	<b>1 565.3</b>	<b>668.8</b>	<b>0.0</b>	<b>0.0</b>	<b>920.6</b>	<b>864.9</b>
<b>Final non-energy consumption</b>	<b>1 208.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>213.2</b>	<b>995.5</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>5 241.2</b>	<b>161.6</b>	<b>0.0</b>	<b>24.2</b>	<b>0.0</b>	<b>2 017.5</b>	<b>569.8</b>	<b>682.5</b>	<b>0.0</b>	<b>Z</b>	<b>920.6</b>	<b>864.9</b>
+ Industry	1 070.9	84.6	0.0	1.4	0.0	40.5	291.7	101.0	0.0	Z	239.1	312.6
+ Iron & steel	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	1.6
+ Chemical & petrochemical	418.2	0.1	0.0	0.0	0.0	1.0	116.5	16.8	0.0	Z	212.4	71.5
+ Non-ferrous metals	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Z	0.0	0.0
+ Non-metallic minerals	134.2	80.9	0.0	0.9	0.0	3.9	23.6	4.0	0.0	Z	0.0	21.0
+ Transport equipment	3.8	0.0	0.0	0.0	0.0	0.1	1.4	0.0	0.0	Z	0.2	2.0
+ Machinery	32.6	0.2	0.0	0.1	0.0	0.2	8.6	0.2	0.0	Z	2.2	21.0
+ Mining & quarrying	5.7	0.0	0.0	0.0	0.0	2.5	0.2	0.4	0.0	Z	0.0	2.7
+ Food, beverages & tobacco	194.2	2.5	0.0	0.2	0.0	14.3	83.0	16.7	0.0	Z	9.9	67.6
+ Paper, pulp & printing	37.5	0.0	0.0	0.0	0.0	0.3	14.0	6.2	0.0	Z	0.5	16.5
+ Wood & wood products	95.2	0.0	0.0	0.1	0.0	2.6	11.3	42.4	0.0	Z	7.5	31.4
+ Construction	42.8	0.3	0.0	0.0	0.0	12.1	14.6	1.7	0.0	Z	2.1	11.9
+ Textile & leather	31.7	0.2	0.0	0.0	0.0	1.1	13.2	0.7	0.0	Z	2.4	14.0
+ Not elsewhere specified (industry)	72.8	0.1	0.0	0.2	0.0	2.3	5.2	12.0	0.0	Z	1.6	51.4
+ Transport	1 962.1	0.0	0.0	0.0	0.0	1 861.0	33.7	61.0	0.0	Z	Z	6.4
+ Rail	56.9	0.0	0.0	0.0	0.0	54.1	Z	1.9	0.0	Z	Z	1.0
+ Road	1 865.0	Z	Z	Z	Z	1 794.9	7.8	59.1	0.0	Z	Z	3.1
+ Domestic aviation	0.5	Z	Z	Z	Z	0.5	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	5.5	0.0	0.0	0.0	0.0	5.5	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	28.2	Z	Z	Z	Z	0.0	25.9	0.0	Z	Z	Z	2.3
+ Not elsewhere specified (transport)	6.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	2 208.1	76.9	0.0	22.8	0.0	116.0	244.4	520.5	0.0	Z	681.5	546.0
+ Commercial & public services	633.9	33.0	0.0	6.8	0.0	3.2	68.9	35.5	0.0	Z	202.2	284.4
+ Households	1 455.4	41.8	0.0	15.6	0.0	55.2	153.8	470.2	0.0	Z	474.8	244.0
+ Agriculture & forestry	109.2	2.2	0.0	0.5	0.0	48.3	21.8	14.7	0.0	Z	4.6	17.2
+ Fishing	1.1	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	Z	0.0	0.4
+ Not elsewhere specified (other)	8.6	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>-13.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-13.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production	338.5	0.0	0.0	0.0	0.0	12.0	51.4	268.0	7.2	0.0	Z	Z
Gross heat production	835.5	1.2	0.0	6.2	0.0	7.5	237.5	564.1	18.7	0.0	Z	0.2

Source: Eurostat (nrg\_bal\_c)

Lithuania	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	8 923	6 968	7 198	7 264	6 839	6 771	6 985	7 246	7 547	
Solid fossil fuels	168	182	210	200	227	196	160	159	163	
Peat & peat products	17	24	29	33	41	31	20	25	34	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	9 480	9 486	9 672	9 261	9 799	8 203	9 060	10 009	10 233	
Petroleum products	-6 649	-6 796	-7 067	-6 616	-7 217	-5 675	-6 384	-7 013	-7 147	
Natural gas	2 476	2 492	2 718	2 654	2 165	2 065	2 067	1 842	1 921	
Nuclear heat	2 805	0	0	0	0	0	0	0	0	
Renewable energies	881	1 065	1 057	1 161	1 212	1 277	1 419	1 464	1 563	
Non-renewable wastes	0	0	0	0	15	18	23	49	34	
<b>Primary production</b>	3 944	1 311	1 290	1 319	1 415	1 488	1 585	1 621	1 754	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	20	9	12	17	24	28	21	5	7	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	220	118	116	104	88	84	75	65	57	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	2 805	0	0	0	0	0	0	0	0	
Renewable energies	900	1 185	1 162	1 198	1 288	1 358	1 466	1 502	1 656	
Non-renewable wastes	0	0	0	0	15	18	23	49	34	
<b>Net imports</b>	5 049	5 708	5 885	5 845	5 367	5 299	5 478	5 622	5 706	
Solid fossil fuels	169	174	233	192	244	192	145	146	176	
Crude oil	8 927	9 089	9 043	8 617	9 089	7 565	8 456	9 369	9 880	
Gas/Diesel Oil (w/o bio)	-2 153	-2 567	-2 675	-2 597	-2 733	-2 044	-2 390	-2 476	-2 525	
Motor Gasoline (w/o bio)	-2 259	-2 665	-2 706	-2 494	-2 622	-2 114	-2 340	-2 591	-2 736	
Naphtha	-78	0	0	0	0	0	0	0	0	
LPG	-203	-74	-55	-34	-81	-49	-114	-146	-175	
All other oil & petroleum products	-1 588	-1 128	-1 223	-1 028	-1 242	-1 003	-916	-1 223	-1 471	
Natural gas	2 493	2 485	2 725	2 656	2 165	2 150	2 061	1 853	1 908	
<b>Transformation input</b>	14 580	12 281	12 060	11 727	12 263	10 543	11 589	12 436	12 592	
Electricity & heat generation	4 679	2 024	1 678	1 730	1 557	1 450	1 529	1 434	1 438	
Refinery intake	9 440	9 486	9 672	9 261	9 796	8 203	9 059	10 009	10 232	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	12 360	11 859	11 827	11 473	12 073	10 423	11 458	12 327	12 585	
Electricity & heat generation	2 463	1 660	1 511	1 543	1 451	1 412	1 415	1 397	1 477	
Refinery output	9 413	9 434	9 611	9 199	9 718	8 126	9 052	9 946	10 197	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	870	702	673	613	627	559	614	633	623	
<b>Distribution losses</b>	300	237	216	215	204	196	188	198	200	
<b>Available for final consumption</b>	5 345	5 420	5 880	5 998	5 661	5 808	5 896	6 048	6 436	
Solid fossil fuels	162	178	207	197	225	194	158	158	162	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	12	21	25	30	30	26	19	22	24	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	860	1 023	1 067	1 110	1 132	1 302	1 388	1 507	1 616	
Motor Gasoline (w/o bio)	355	298	260	233	212	206	201	217	215	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	301	224	216	210	196	188	175	172	167	
All other oil & petroleum products	278	200	204	174	202	155	196	221	233	
Natural gas	1 099	1 100	1 567	1 617	1 315	1 396	1 461	1 392	1 565	
Primary solid biofuels & charcoal	682	687	678	690	670	635	620	621	598	
Liquid biofuels	3	45	45	61	58	63	68	57	61	
All other renewable energies	1	6	5	4	5	7	9	10	10	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	686	716	738	767	770	794	803	838	865	
Heat	905	922	869	905	848	839	798	834	921	
<b>Statistical difference</b>	-11	0	0	0	0	0	0	0	-14	
<b>Final non-energy consumption</b>	733	662	1 152	1 159	949	1 007	1 116	1 045	1 209	
<b>Final energy consumption</b>	4 622	4 757	4 728	4 839	4 712	4 801	4 780	5 003	5 241	
Industry	1 058	950	1 013	1 072	1 037	1 034	983	989	1 071	
Transport	1 386	1 497	1 484	1 508	1 502	1 663	1 750	1 865	1 962	
Other sectors	2 178	2 311	2 231	2 259	2 173	2 104	2 047	2 150	2 208	
Services	562	601	584	610	593	586	575	603	634	
Households	1 507	1 593	1 532	1 535	1 467	1 401	1 359	1 433	1 455	

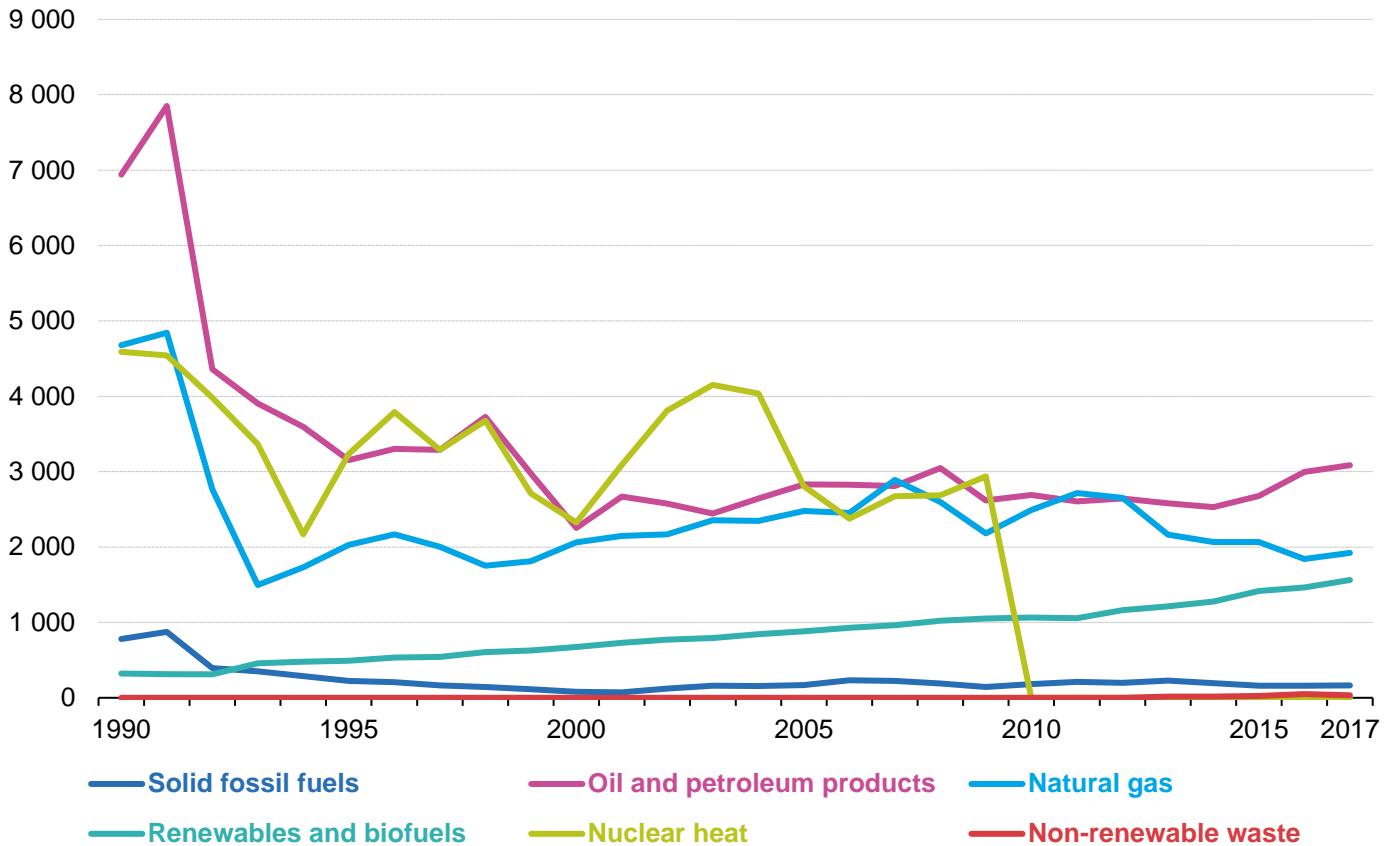
Source: Eurostat (nrg\_bal\_c)

eurostat

Energy balance sheets — 2017 data

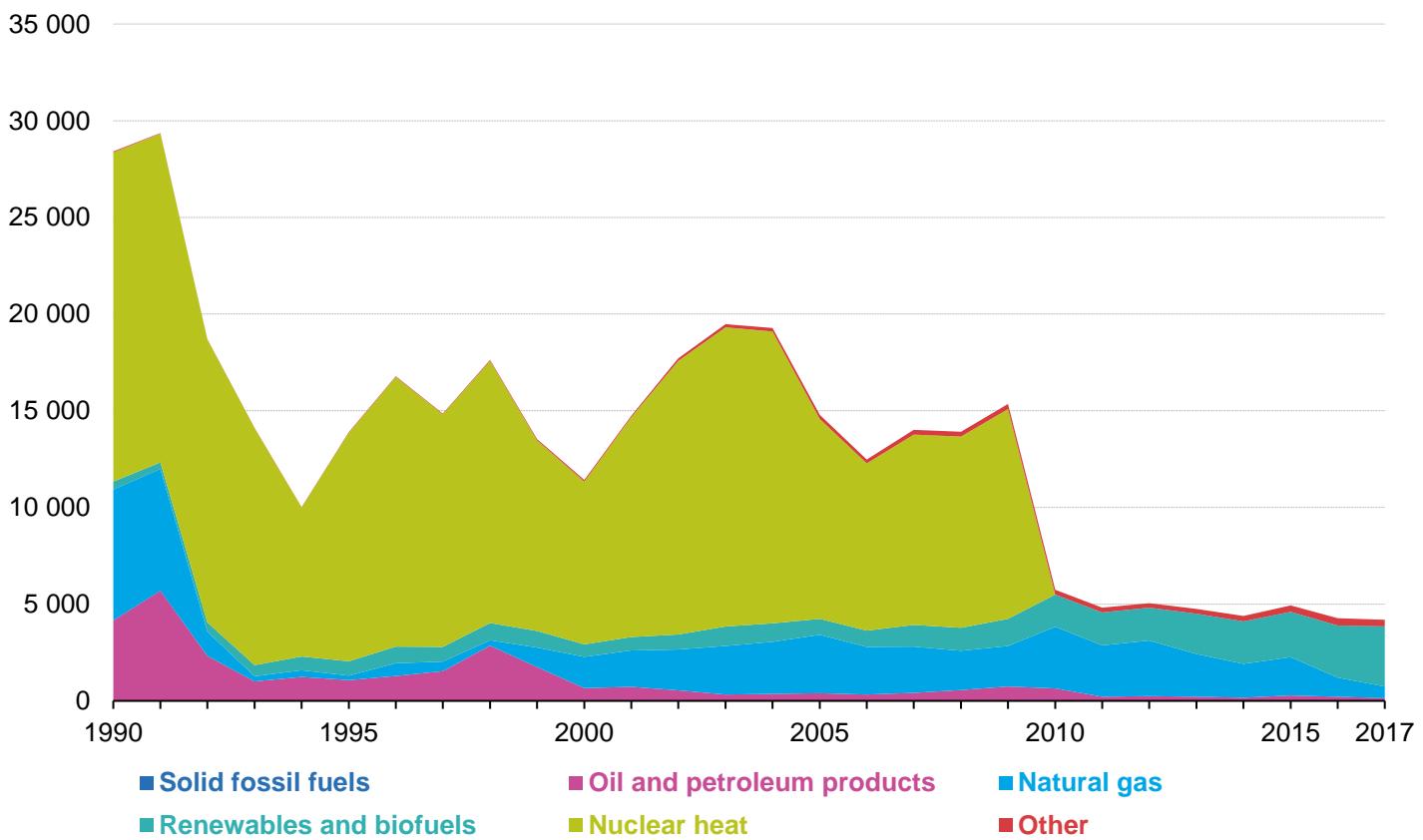
# Lithuania

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

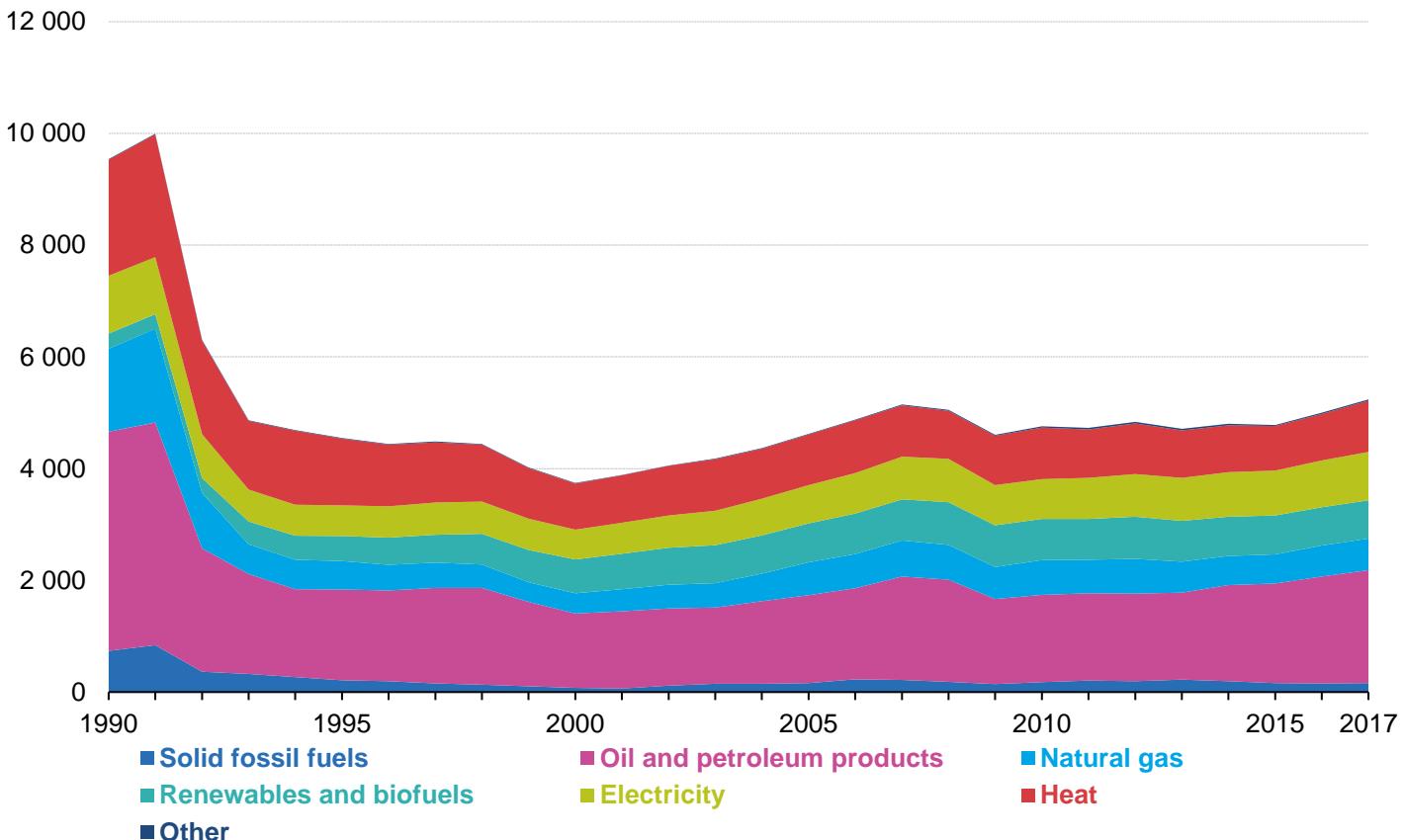


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

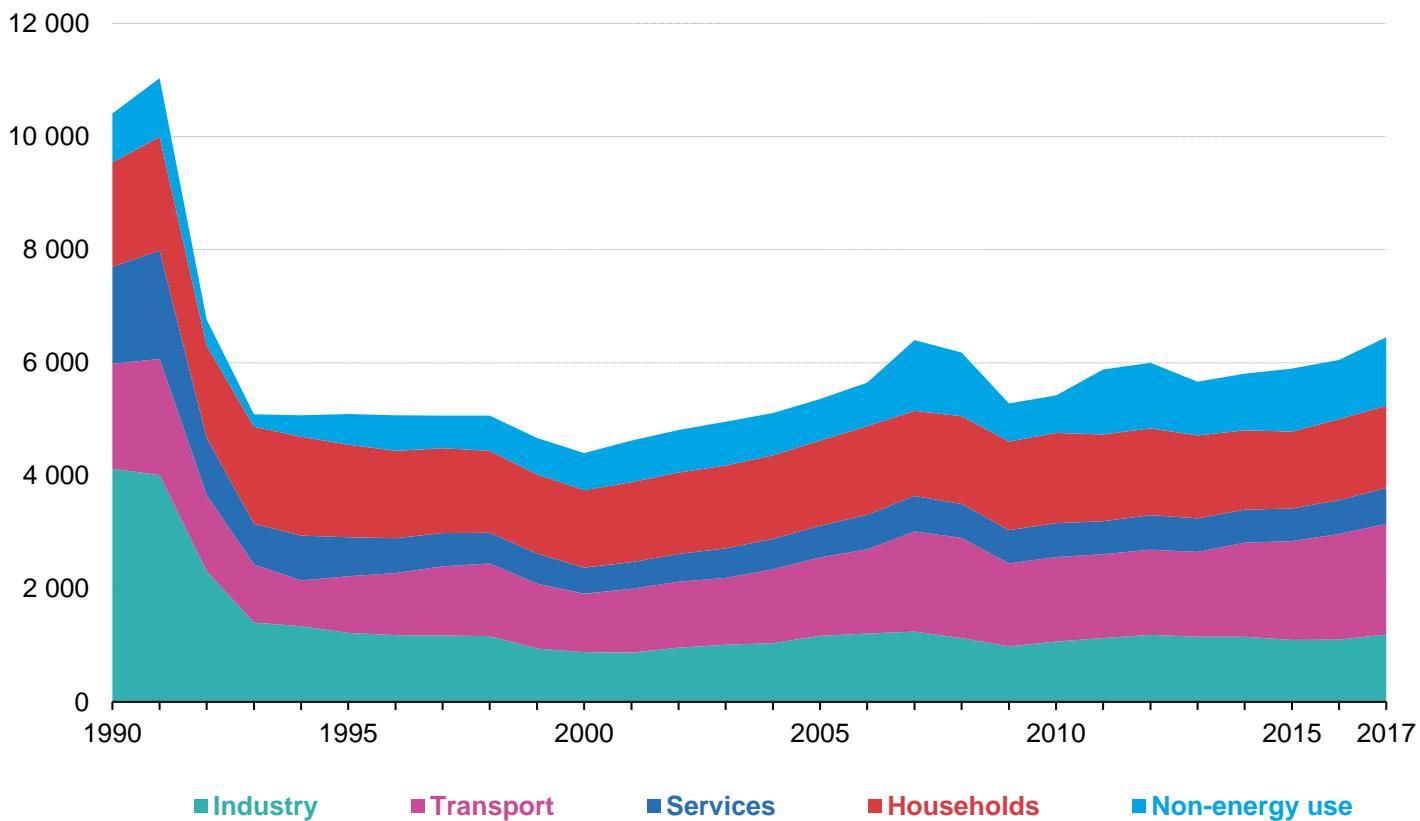
# Lithuania

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Luxembourg ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	192.2	0.0	Z	0.0	0.0	0.0	0.0	155.3	36.9	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	4 305.4	45.3	0.0	0.0	0.0	2 774.2	693.1	142.1	0.0	Z	0.0	650.6
- Exports	167.3	0.0	0.0	0.0	0.0	25.9	0.0	22.0	0.0	Z	0.0	119.4
+ Change in stock	7.3	0.0	0.0	0.0	0.0	8.0	0.0	-0.7	0.0	Z	Z	Z
= Gross available energy	<b>4 337.5</b>	<b>45.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 756.3</b>	<b>693.1</b>	<b>274.6</b>	<b>36.9</b>	<b>0.0</b>	<b>0.0</b>	<b>531.2</b>
- International maritime bunkers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>4 337.5</b>	<b>45.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 756.3</b>	<b>693.1</b>	<b>274.6</b>	<b>36.9</b>	<b>0.0</b>	<b>0.0</b>	<b>531.2</b>
- International aviation	574.2	Z	Z	Z	Z	574.2	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>3 763.3</b>	<b>45.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 182.1</b>	<b>693.1</b>	<b>274.6</b>	<b>36.9</b>	<b>0.0</b>	<b>0.0</b>	<b>531.2</b>
<b>Transformation input</b>	<b>358.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>74.9</b>	<b>102.2</b>	<b>23.1</b>	<b>0.0</b>	<b>0.0</b>	<b>157.7</b>
+ Electricity & heat generation	353.2	0.0	0.0	0.0	0.0	0.6	74.9	96.9	23.1	0.0	0.0	157.7
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	5.3	Z	0.0	Z	Z	0.0	Z	5.3	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>264.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>5.3</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>67.2</b>	<b>192.2</b>
+ Electricity & heat generation	259.4	Z	Z	Z	Z	Z	Z	Z	Z	Z	67.2	192.2
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	5.3	Z	Z	Z	Z	Z	Z	5.3	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>2.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>2.6</b>	
+ Own use in electricity & heat genera	2.7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Z	0.0	2.6
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0
+ Not elsewhere specified (energy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
<b>Distribution losses</b>	<b>20.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>6.9</b>	<b>13.4</b>	
<b>Available for final consumption</b>	<b>3 646.5</b>	<b>45.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 181.5</b>	<b>623.6</b>	<b>172.3</b>	<b>13.8</b>	<b>0.0</b>	<b>60.3</b>	<b>549.7</b>
<b>Final non-energy consumption</b>	<b>34.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>34.2</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>	<b>3 614.8</b>	<b>45.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 148.7</b>	<b>623.6</b>	<b>173.3</b>	<b>13.8</b>	<b>Z</b>	<b>60.3</b>	<b>549.8</b>
+ Industry	642.0	45.0	0.0	0.0	0.0	13.1	273.8	22.2	13.8	Z	0.5	273.7
+ Iron & steel	297.3	3.6	0.0	0.0	0.0	0.7	135.1	0.0	0.0	Z	0.1	157.9
+ Chemical & petrochemical	45.2	0.0	0.0	0.0	0.0	0.1	17.6	0.0	0.0	Z	0.1	27.4
+ Non-ferrous metals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Non-metallic minerals	140.2	36.6	0.0	0.0	0.0	2.2	66.2	4.8	13.8	Z	0.0	16.6
+ Transport equipment	1.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	Z	0.0	0.9
+ Machinery	10.7	0.0	0.0	0.0	0.0	1.4	2.9	0.0	0.0	Z	0.0	6.4
+ Mining & quarrying	1.8	0.0	0.0	0.0	0.0	0.7	0.2	0.0	0.0	Z	0.0	0.8
+ Food, beverages & tobacco	21.3	0.0	0.0	0.0	0.0	1.8	6.9	0.0	0.0	Z	0.0	12.6
+ Paper, pulp & printing	5.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	Z	0.0	2.8
+ Wood & wood products	19.7	0.0	0.0	0.0	0.0	0.0	1.9	17.4	0.0	Z	0.0	0.4
+ Construction	24.9	4.7	0.0	0.0	0.0	3.0	4.7	0.0	0.0	Z	0.0	12.5
+ Textile & leather	35.0	0.0	0.0	0.0	0.0	0.2	27.5	0.0	0.0	Z	0.2	7.2
+ Not elsewhere specified (industry)	39.4	0.0	0.0	0.0	0.0	2.8	8.3	0.0	0.0	Z	0.1	28.2
+ Transport	1 968.2	0.0	0.0	0.0	0.0	1 843.3	0.0	113.4	0.0	Z	Z	11.6
+ Rail	26.6	0.0	0.0	0.0	0.0	15.1	Z	0.0	0.0	Z	Z	11.5
+ Road	1 941.4	Z	Z	Z	Z	1 827.9	0.0	113.4	0.0	Z	Z	0.1
+ Domestic aviation	0.2	Z	Z	Z	Z	0.2	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	1 004.6	0.4	0.0	0.0	0.0	292.4	349.8	37.7	0.0	Z	59.8	264.5
+ Commercial & public services	455.5	0.0	0.0	0.0	0.0	101.4	111.5	1.1	0.0	Z	59.8	181.7
+ Households	523.2	0.4	0.0	0.0	0.0	171.4	238.3	33.0	0.0	Z	0.0	80.0
+ Agriculture & forestry	25.9	0.0	0.0	0.0	0.0	19.5	0.0	3.6	0.0	Z	0.0	2.8
+ Fishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>-2.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-1.4</b>	<b>0.0</b>	<b>-1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-0.1</b>
Gross electricity production	192.2	0.0	0.0	0.0	0.0	0.0	19.0	166.5	6.6	0.0	Z	Z
Gross heat production	67.2	0.0	0.0	0.0	0.0	0.3	41.2	25.7	0.0	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

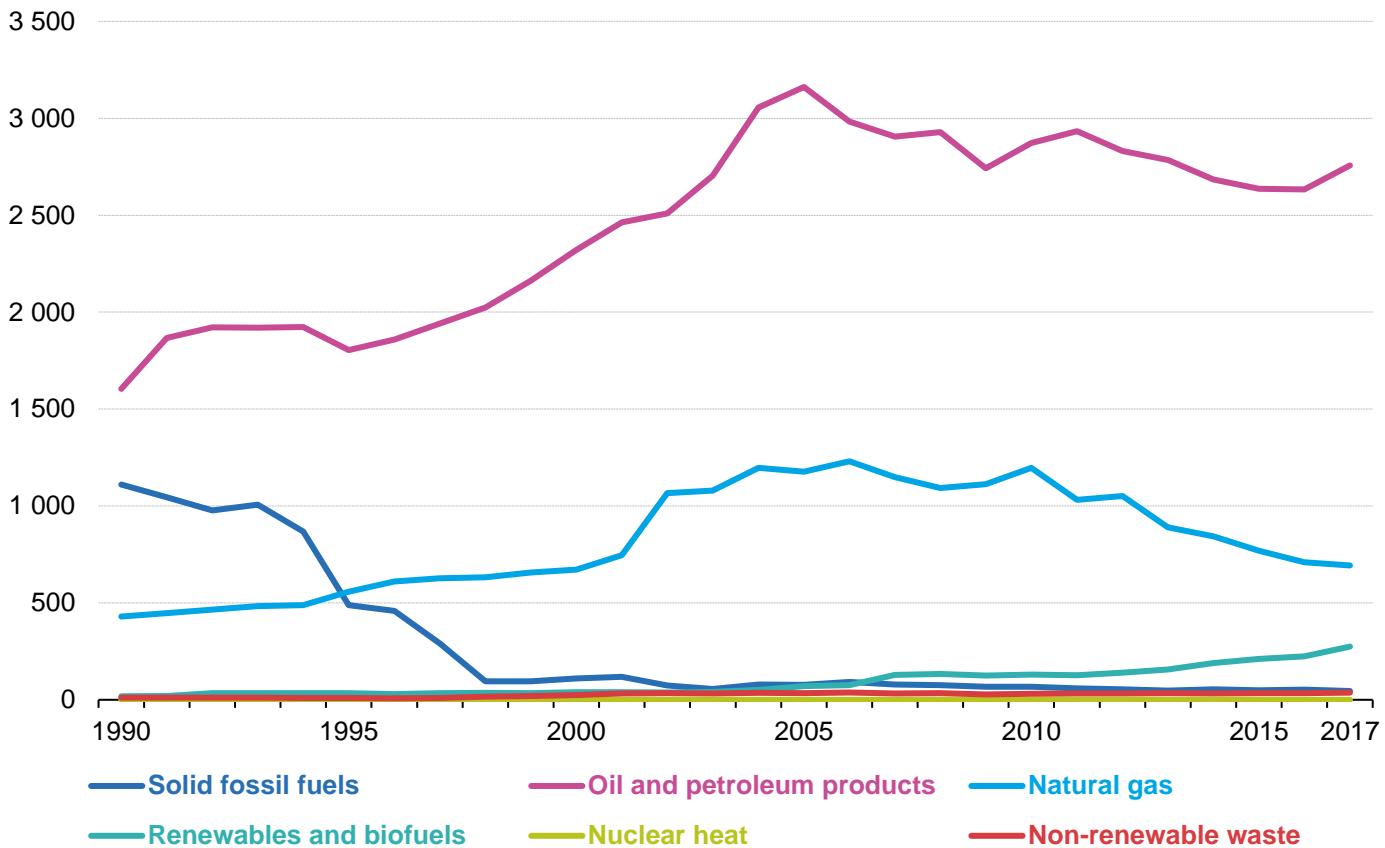
eurostat ■ Energy balance sheets — 2017 data

Luxembourg	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	4 802	4 646	4 570	4 461	4 337	4 224	4 180	4 194	4 338	
Solid fossil fuels	78	67	58	54	48	53	49	52	45	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Petroleum products	3 161	2 872	2 934	2 831	2 784	2 684	2 637	2 633	2 756	
Natural gas	1 176	1 197	1 032	1 051	890	843	769	709	693	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	71	130	127	139	156	190	210	224	275	
Non-renewable wastes	35	31	32	32	34	33	34	34	37	
<b>Primary production</b>	107	119	114	124	134	154	153	163	192	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	72	88	82	92	100	122	119	129	155	
Non-renewable wastes	35	31	32	32	34	33	34	34	37	
<b>Net imports</b>	4 676	4 508	4 446	4 350	4 213	4 077	4 009	4 033	4 138	
Solid fossil fuels	78	67	58	54	48	53	49	52	45	
Crude oil	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	2 157	2 014	2 106	2 059	2 043	1 923	1 833	1 788	1 826	
Motor Gasoline (w/o bio)	507	357	368	358	325	314	283	289	301	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	13	13	11	11	11	11	11	11	10	
All other oil & petroleum products	464	470	440	415	414	443	492	546	611	
Natural gas	1 176	1 197	1 032	1 051	890	843	769	709	693	
<b>Transformation input</b>	688	736	616	636	487	483	432	344	358	
Electricity & heat generation	688	736	615	632	484	479	427	340	353	
Refinery intake	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	430	469	396	406	330	319	299	252	265	
Electricity & heat generation	430	469	395	402	326	315	294	247	259	
Refinery output	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	3	3	2	3	3	2	3	3	3	
<b>Distribution losses</b>	13	15	18	18	18	18	19	19	20	
<b>Available for final consumption</b>	4 096	3 930	3 926	3 838	3 785	3 634	3 569	3 572	3 647	
Solid fossil fuels	78	67	58	54	48	53	49	52	45	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	2 166	2 031	2 111	2 044	2 032	1 916	1 840	1 791	1 834	
Motor Gasoline (w/o bio)	515	362	369	359	327	315	293	285	301	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	13	13	10	11	12	11	11	11	10	
All other oil & petroleum products	32	36	39	43	39	37	35	38	37	
Natural gas	631	675	601	611	601	575	602	633	624	
Primary solid biofuels & charcoal	38	46	39	40	43	48	47	50	48	
Liquid biofuels	1	42	47	48	55	70	83	89	113	
All other renewable energies	4	7	7	8	8	8	9	11	11	
Non-renewable wastes	17	14	14	14	15	15	14	13	14	
Electricity	528	567	558	535	532	532	536	547	550	
Heat	73	71	72	70	73	56	51	53	60	
<b>Statistical difference</b>	22	0	1	-1	-1	0	-1	-2	-2	
<b>Final non-energy consumption</b>	28	32	36	41	37	35	33	36	34	
<b>Final energy consumption</b>	4 045	3 897	3 889	3 799	3 749	3 599	3 537	3 538	3 615	
Industry	781	755	725	679	647	657	646	674	642	
Transport	2 350	2 176	2 308	2 207	2 166	2 086	1 958	1 907	1 968	
Other sectors	915	966	856	913	937	856	933	957	1 005	
Services	367	424	353	397	411	361	397	401	455	
Households	526	513	478	491	499	469	511	527	523	
<b>Europe 2020-2030 indicators</b>	2005	2010	2011	2012	2013	2014	2015	2016	2017	
Gross inland consumption	4 802	4 645	4 568	4 459	4 335	4 222	4 177	4 190	4 333	
Primary energy consumption	4 774	4 613	4 532	4 418	4 298	4 187	4 144	4 154	4 299	
Final energy consumption	4 478	4 327	4 291	4 169	4 121	4 003	3 991	4 042	4 184	

Source: Eurostat (nrg\_bal\_c)

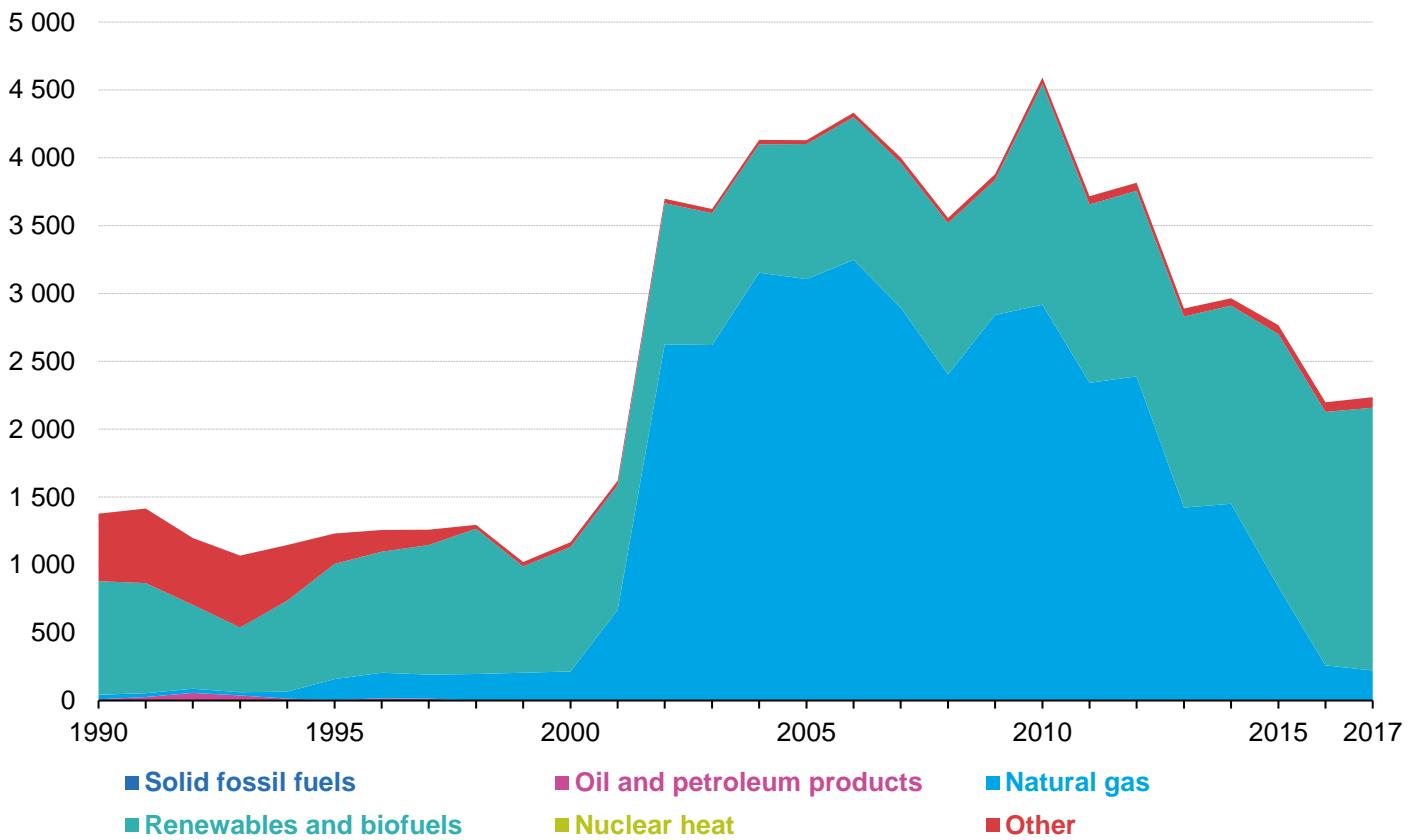
# Luxembourg

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

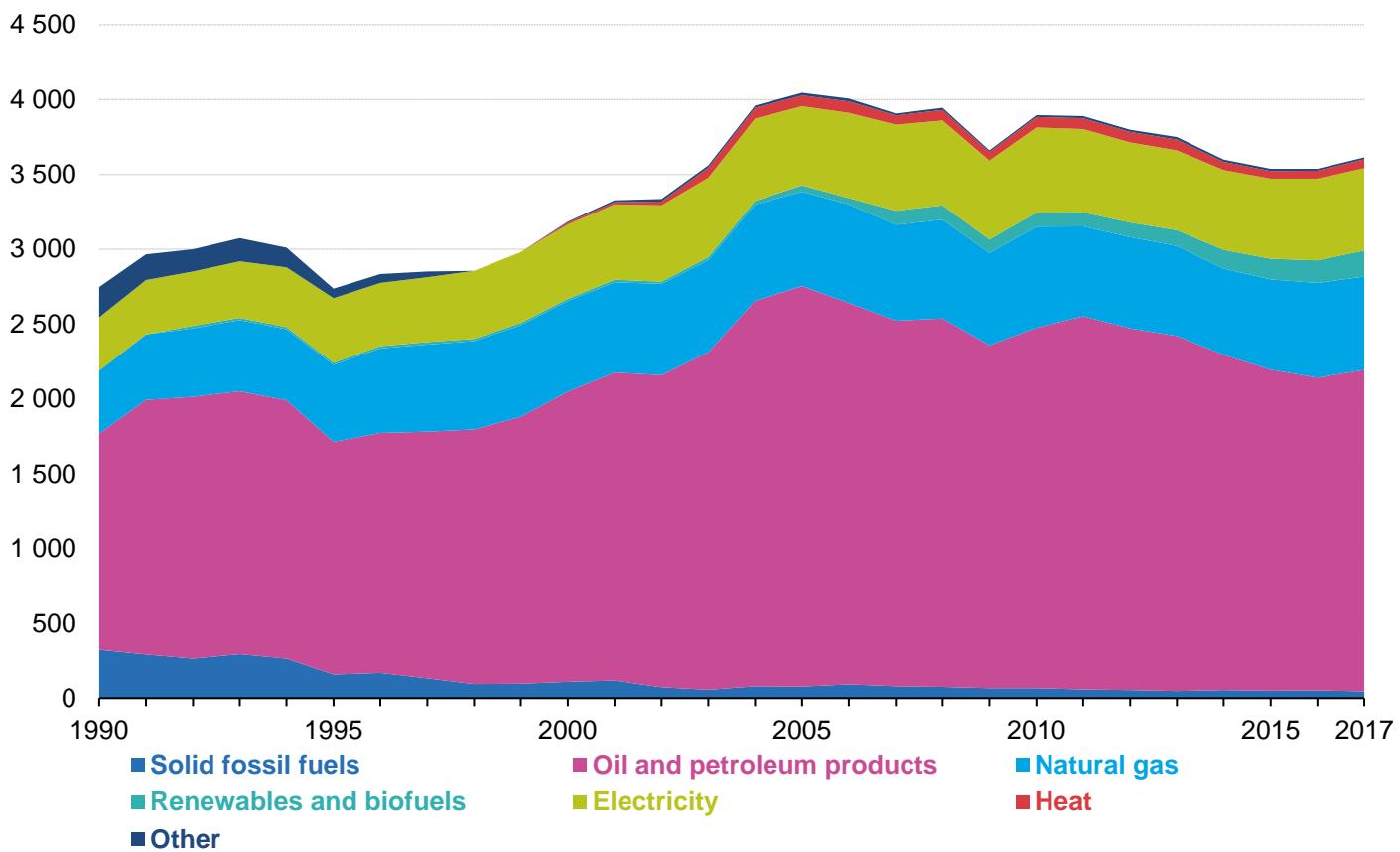


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

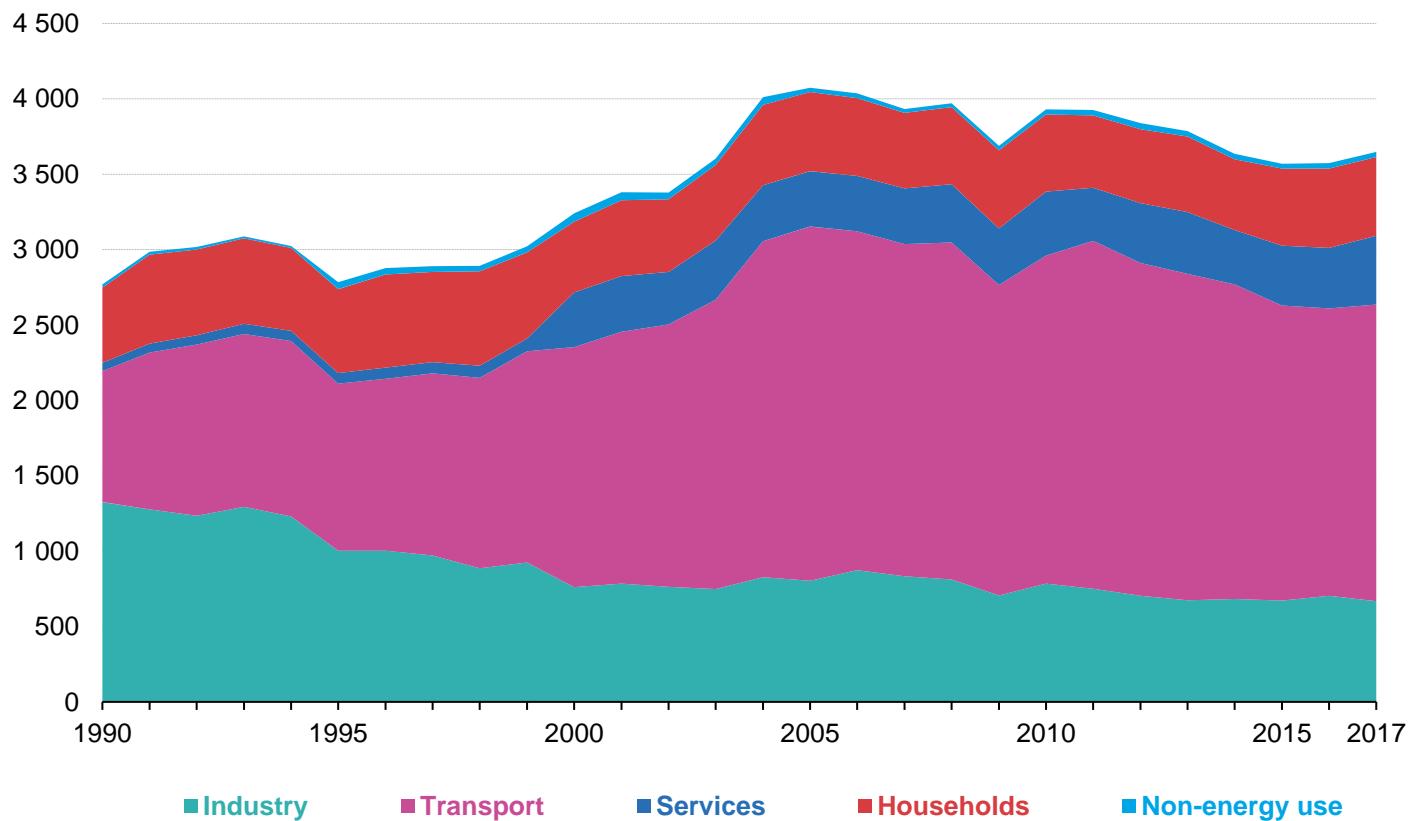
# Luxembourg

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Hungary ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		11 147.2	1 283.2	Z	0.0	0.0	1 048.4	1 410.7	3 190.7	130.2	4 084.0	Z	Z
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports		24 123.4	1 259.4	0.0	0.0	0.0	9 738.8	11 163.4	225.4	33.7	Z	0.0	1 702.8
- Exports		7 429.1	273.6	0.0	0.0	0.0	3 159.9	2 941.9	458.3	0.0	Z	0.0	595.4
+ Change in stock		-1 162.1	-34.3	0.0	0.0	0.0	-31.8	-1 090.4	-5.6	0.0	Z	Z	Z
= Gross available energy		<b>26 679.4</b>	<b>2 234.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 595.5</b>	<b>8 541.8</b>	<b>2 952.2</b>	<b>163.9</b>	<b>4 084.0</b>	<b>0.0</b>	<b>1 107.3</b>
- International maritime bunkers		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>26 679.4</b>	<b>2 234.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 595.5</b>	<b>8 541.8</b>	<b>2 952.2</b>	<b>163.9</b>	<b>4 084.0</b>	<b>0.0</b>	<b>1 107.3</b>
- International aviation		223.5	Z	Z	Z	Z	223.5	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>26 455.9</b>	<b>2 234.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 372.0</b>	<b>8 541.8</b>	<b>2 952.2</b>	<b>163.9</b>	<b>4 084.0</b>	<b>0.0</b>	<b>1 107.3</b>
<b>Transformation input</b>		<b>18 081.3</b>	<b>2 668.6</b>	<b>169.3</b>	<b>0.0</b>	<b>0.0</b>	<b>7 908.3</b>	<b>2 206.2</b>	<b>959.9</b>	<b>85.0</b>	<b>4 084.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation		8 526.1	1 258.2	169.3	0.0	0.0	27.3	2 044.5	857.8	85.0	4 084.0	0.0	0.0
+ Coke ovens		947.9	947.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		495.2	462.5	0.0	0.0	0.0	0.0	32.8	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		7 881.0	Z	Z	Z	Z	7 881.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		102.0	Z	Z	Z	Z	Z	Z	102.0	Z	Z	Z	Z
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		129.0	0.0	0.0	0.0	0.0	0.0	129.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>		<b>13 136.0</b>	<b>715.1</b>	<b>384.1</b>	<b>0.0</b>	<b>Z</b>	<b>7 850.1</b>	<b>0.0</b>	<b>102.0</b>	<b>Z</b>	<b>Z</b>	<b>1 258.2</b>	<b>2 826.4</b>
+ Electricity & heat generation		4 084.6	Z	Z	Z	Z	Z	Z	Z	Z	Z	1 258.2	2 826.4
+ Coke ovens		911.3	715.1	196.2	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		174.9	0.0	174.9	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		7 818.5	Z	Z	Z	Z	7 818.5	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended		102.0	Z	Z	Z	Z	Z	Z	102.0	Z	Z	Z	Z
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants		31.5	Z	Z	Z	Z	31.5	Z	Z	Z	Z	Z	Z
+ Not elsewhere specified		13.1	0.0	13.1	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>1 055.1</b>	<b>0.0</b>	<b>72.9</b>	<b>0.0</b>	<b>0.0</b>	<b>343.7</b>	<b>217.7</b>	<b>13.9</b>	<b>0.0</b>	<b>Z</b>	<b>118.9</b>	<b>288.0</b>
+ Own use in electricity & heat genera		304.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	116.2	188.7
+ Coal mines		20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	20.6
+ Oil & natural gas extraction plants		74.6	Z	Z	Z	Z	0.0	53.1	0.0	0.0	Z	0.0	21.5
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		81.1	0.0	72.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	2.7	5.4
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		560.0	0.0	0.0	0.0	0.0	0.0	343.7	164.6	0.0	0.0	Z	51.8
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas		13.9	Z	Z	Z	Z	Z	Z	13.9	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Distribution losses</b>		<b>522.1</b>	<b>0.0</b>	<b>14.8</b>	<b>0.0</b>	<b>0.0</b>	<b>107.5</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>102.6</b>	<b>297.2</b>	
<b>Available for final consumption</b>		<b>19 933.5</b>	<b>281.2</b>	<b>127.2</b>	<b>0.0</b>	<b>0.0</b>	<b>6 970.0</b>	<b>6 010.4</b>	<b>2 080.4</b>	<b>78.9</b>	<b>0.0</b>	<b>1 036.7</b>	<b>3 348.6</b>
<b>Final non-energy consumption</b>		<b>2 186.2</b>	<b>4.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 624.6</b>	<b>557.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>		<b>17 975.0</b>	<b>283.7</b>	<b>127.2</b>	<b>0.0</b>	<b>0.0</b>	<b>5 345.5</b>	<b>5 710.0</b>	<b>2 080.4</b>	<b>78.9</b>	<b>Z</b>	<b>1 040.1</b>	<b>3 309.3</b>
+ Industry		4 347.2	140.3	127.2	0.0	0.0	664.6	1 362.6	178.9	75.6	Z	359.5	1 438.6
+ Iron & steel		302.0	37.9	127.2	0.0	0.0	2.0	56.3	0.2	0.0	Z	19.3	59.2
+ Chemical & petrochemical		1 153.1	0.0	0.0	0.0	0.0	357.0	259.8	1.1	0.3	Z	246.3	288.7
+ Non-ferrous metals		129.5	0.0	0.0	0.0	0.0	2.1	81.7	0.0	0.0	Z	8.8	36.9
+ Non-metallic minerals		539.4	33.9	0.0	0.0	0.0	95.7	193.5	25.8	65.4	Z	4.0	121.1
+ Transport equipment		236.7	0.0	0.0	0.0	0.0	3.2	73.3	0.3	0.0	Z	12.0	147.8
+ Machinery		437.7	0.7	0.0	0.0	0.0	9.6	181.3	3.6	0.0	Z	6.1	236.5
+ Mining & quarrying		28.5	0.0	0.0	0.0	0.0	16.4	3.5	0.0	0.0	Z	0.0	8.6
+ Food, beverages & tobacco		619.5	1.4	0.0	0.0	0.0	12.9	294.2	68.0	0.0	Z	31.4	211.5
+ Paper, pulp & printing		238.9	63.6	0.0	0.0	0.0	3.1	45.9	20.6	9.9	Z	20.0	75.9
+ Wood & wood products		91.0	0.0	0.0	0.0	0.0	6.2	10.4	44.5	0.0	Z	0.8	29.0
+ Construction		239.3	2.4	0.0	0.0	0.0	0.0	153.1	48.5	3.8	0.0	Z	2.8
+ Textile & leather		41.6	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.5	0.0	Z	0.5
+ Not elsewhere specified (industry)		288.1	0.4	0.0	0.0	0.0	3.2	93.4	8.6	0.0	Z	7.5	175.2
+ Transport		4 525.8	0.0	0.0	0.0	0.0	4 207.4	66.0	148.4	0.0	Z	104.0	
+ Rail		143.9	0.0	0.0	0.0	0.0	43.0	Z	0.0	0.0	Z	100.9	
+ Road		4 318.5	Z	Z	Z	Z	4 159.2	8.7	148.4	0.0	Z	2.2	
+ Domestic aviation		0.0	Z	Z	Z	Z	0.0	Z	0.0	0.0	Z	Z	
+ Domestic navigation		5.1	0.0	0.0	0.0	0.0	5.1	Z	0.0	0.0	Z	Z	
+ Pipeline transport		58.2	Z	Z	Z	Z	0.0	57.3	0.0	Z	Z	0.9	
+ Not elsewhere specified (transport)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	
+ Other		9 102.0	143.4	0.0	0.0	0.0	473.5	4 281.4	1 753.1	3.2	Z	680.6	1 766.7
+ Commercial & public services		2 155.7	1.5	0.0	0.0	0.0	30.1	1 170.3	55.9	3.2	Z	179.0	715.6
+ Households		6 298.5	141.6	0.0	0.0	0.0	74.9	2 971.7	1 644.3	0.0	Z	498.7	967.2
+ Agriculture & forestry		610.6	0.3	0.0	0.0	0.0	358.2	122.5	52.9	0.0	Z	0.4	76.3
+ Fishing		2.3	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	Z	0.0	1.2
+ Not elsewhere specified (other)		34.9	0.0	0.0	0.0	0.0	9.2	16.8	0.0	0.0	Z	2.5	6.4
<b>Statistical differences</b>		<b>-227.7</b>	<b>-7.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-256.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-3.4</b>	<b>39.3</b>
Gross electricity production		2 819.3	424.1	14.3	0.0	0.0	7.3	673.9	298.2	17.4	1 384.2	Z	Z
Gross heat production		1 196.4	21.3	83.3	0.0	0.0	3.9	857.7	190.7	19.8	19.8	Z	0.0

Source: Eurostat (nrg\_bal\_c)

Hungary	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	28 523	26 592	26 063	24 771	23 920	23 823	25 203	25 585	26 679	
Solid fossil fuels	3 070	2 703	2 708	2 604	2 266	2 209	2 359	2 189	2 235	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	7 683	6 941	7 181	6 794	6 528	7 208	7 156	7 145	7 038	
Petroleum products	-228	-143	-704	-717	-663	-627	-125	-104	558	
Natural gas	12 094	9 815	9 354	8 377	7 704	6 982	7 490	8 028	8 542	
Nuclear heat	3 616	3 963	3 965	3 986	3 870	3 937	3 994	4 071	4 084	
Renewable energies	1 690	2 778	2 886	2 953	3 112	2 860	3 020	3 005	2 952	
Non-renewable wastes	62	88	100	89	83	102	132	158	164	
<b>Primary production</b>	10 888	11 707	11 635	11 613	11 298	10 880	11 105	11 280	11 147	
Solid fossil fuels	1 748	1 593	1 645	1 606	1 612	1 588	1 518	1 462	1 283	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	1 441	1 084	958	1 030	877	837	866	992	1 048	
Natural gas	2 331	2 235	2 115	1 768	1 544	1 437	1 369	1 429	1 411	
Nuclear heat	3 616	3 963	3 965	3 986	3 870	3 937	3 994	4 071	4 084	
Renewable energies	1 690	2 744	2 857	3 133	3 314	2 981	3 250	3 200	3 191	
Non-renewable wastes	62	88	94	88	81	99	107	125	130	
<b>Net imports</b>	17 730	15 139	13 102	12 422	11 989	14 257	13 578	14 280	16 694	
Solid fossil fuels	1 303	1 132	980	888	601	616	795	711	986	
Crude oil	6 126	5 722	5 877	5 440	5 307	6 038	6 105	5 927	5 814	
Gas/Diesel Oil (w/o bio)	-39	319	34	-217	-120	-149	291	274	210	
Motor Gasoline (w/o bio)	185	184	37	79	82	135	162	264	276	
Naphtha	166	218	206	153	261	230	304	213	495	
LPG	-30	80	81	116	115	187	277	310	402	
All other oil & petroleum products	-324	-723	-851	-588	-645	-631	-551	-669	-618	
Natural gas	9 807	7 726	6 133	6 054	5 557	6 819	5 218	6 332	8 221	
<b>Transformation input</b>	21 656	23 012	21 805	20 903	19 569	19 446	18 915	18 188	18 081	
Electricity & heat generation	9 904	9 722	9 319	9 048	8 132	7 946	8 193	8 432	8 526	
Refinery intake	8 455	8 560	8 286	7 883	7 704	8 011	7 546	7 393	7 214	
Coke ovens	632	1 065	1 067	1 013	908	913	950	876	948	
Blast furnaces	464	526	515	473	257	340	483	337	495	
<b>Transformation output</b>	15 670	17 080	16 094	15 435	14 785	14 663	13 981	13 367	13 136	
Electricity & heat generation	4 593	4 479	4 273	4 160	3 779	3 674	3 855	4 032	4 085	
Refinery output	8 092	8 387	8 132	7 741	7 570	7 853	7 379	7 325	7 151	
Coke ovens	564	985	1 013	979	865	872	921	847	911	
Blast furnaces	148	185	172	171	90	122	168	116	175	
<b>Energy sector</b>	1 102	966	950	822	900	1 020	959	1 038	1 055	
<b>Distribution losses</b>	830	603	569	530	521	515	516	502	522	
<b>Available for final consumption</b>	20 344	18 861	18 600	17 785	17 552	17 334	18 618	19 031	19 933	
Solid fossil fuels	477	249	257	223	166	117	208	208	281	
Manufactured gases	108	149	146	133	82	102	136	88	127	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	2 883	2 882	2 670	2 477	2 433	2 734	3 073	3 144	3 395	
Motor Gasoline (w/o bio)	1 568	1 348	1 245	1 235	1 159	1 243	1 283	1 388	1 366	
Naphtha	964	929	988	915	902	876	943	938	1 107	
LPG	382	386	361	346	467	513	585	478	542	
All other oil & petroleum products	642	446	461	475	303	536	528	493	560	
Natural gas	8 047	6 435	6 233	5 513	5 536	5 120	5 461	5 776	6 010	
Primary solid biofuels & charcoal	1 072	1 695	1 944	2 085	2 169	1 797	1 921	1 891	1 820	
Liquid biofuels	3	175	160	155	142	188	175	187	148	
All other renewable energies	83	104	109	113	120	88	80	78	112	
Non-renewable wastes	26	32	38	35	33	48	60	64	79	
Electricity	2 781	2 941	2 973	3 030	2 999	3 073	3 181	3 232	3 349	
Heat	1 308	1 089	1 013	1 050	1 042	899	985	1 066	1 037	
<b>Statistical difference</b>	10	7	11	144	-218	-327	-198	-229	-228	
<b>Final non-energy consumption</b>	2 170	1 974	1 672	1 637	1 515	1 828	1 905	1 848	2 186	
<b>Final energy consumption</b>	18 165	16 880	16 918	16 004	16 255	15 832	16 911	17 412	17 975	
Industry	3 098	2 605	2 998	3 182	3 726	3 762	3 948	4 045	4 347	
Transport	4 036	4 089	3 813	3 692	3 460	3 873	4 181	4 342	4 526	
Other sectors	11 030	10 185	10 106	9 129	9 070	8 197	8 781	9 024	9 102	
Services	3 501	3 049	3 054	2 354	2 337	2 115	2 204	2 183	2 156	
Households	6 969	6 649	6 570	6 376	6 210	5 487	5 970	6 157	6 299	

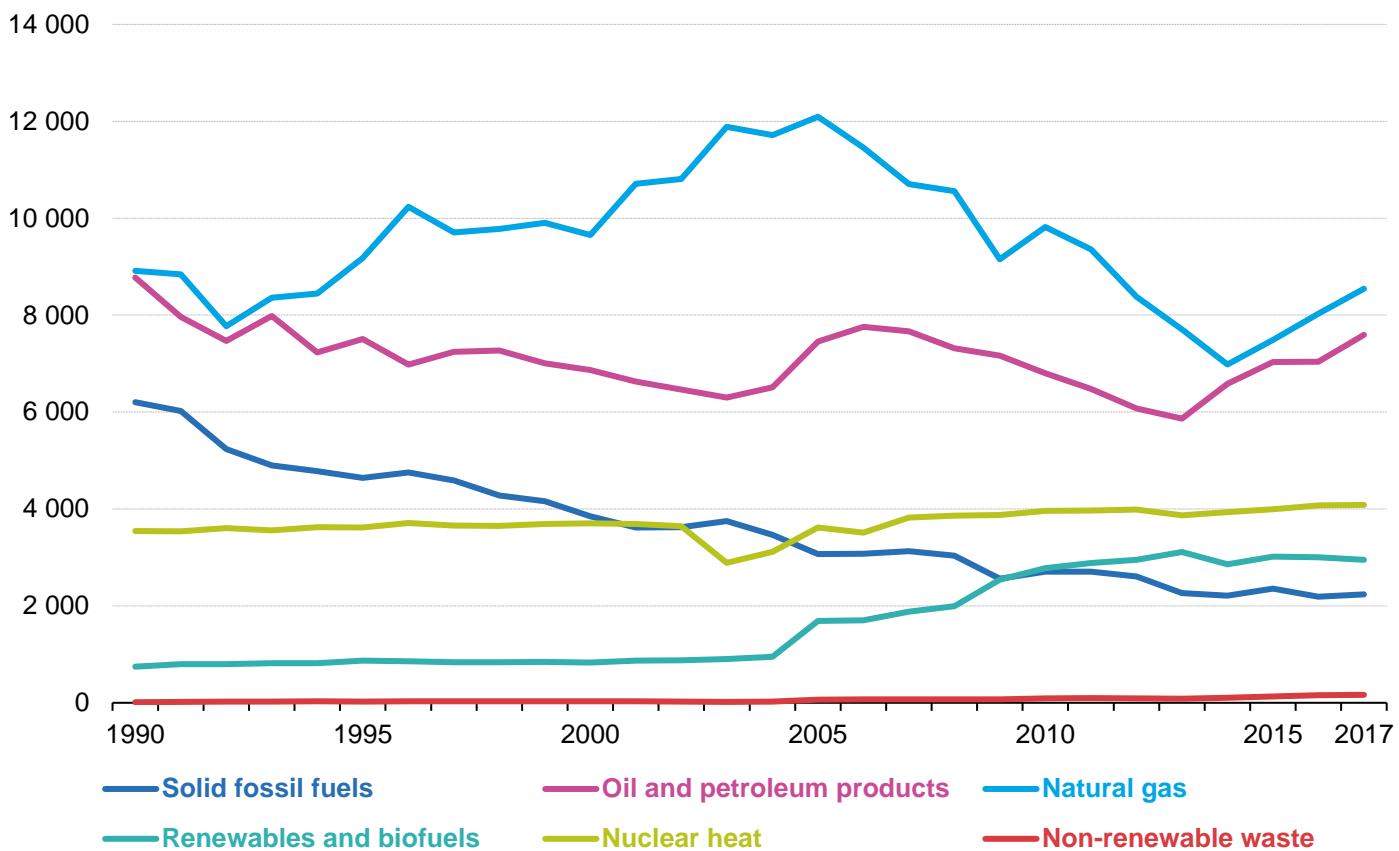
Source: Eurostat (nrg\_bal\_c)

eurostat

Energy balance sheets — 2017 data

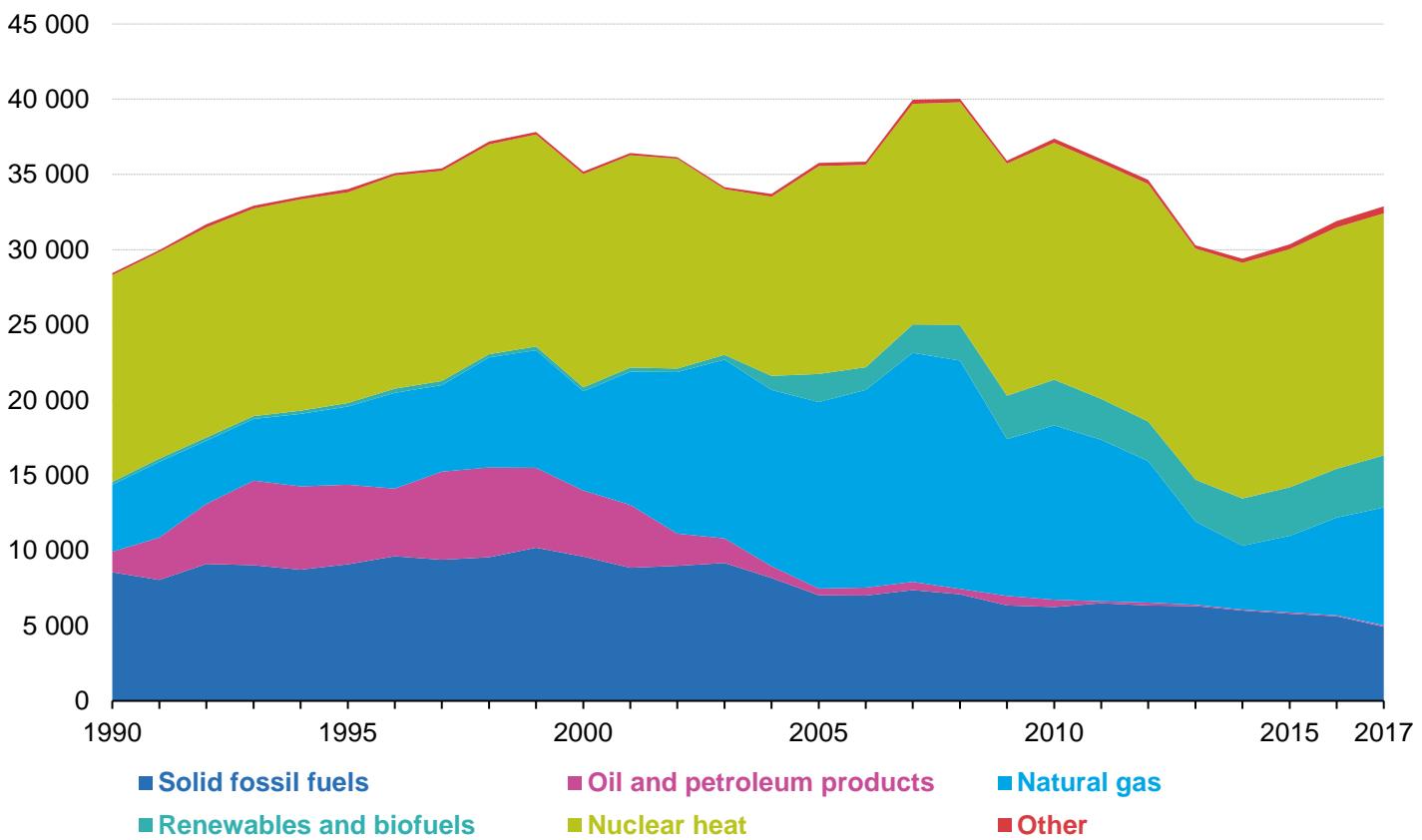
# Hungary

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

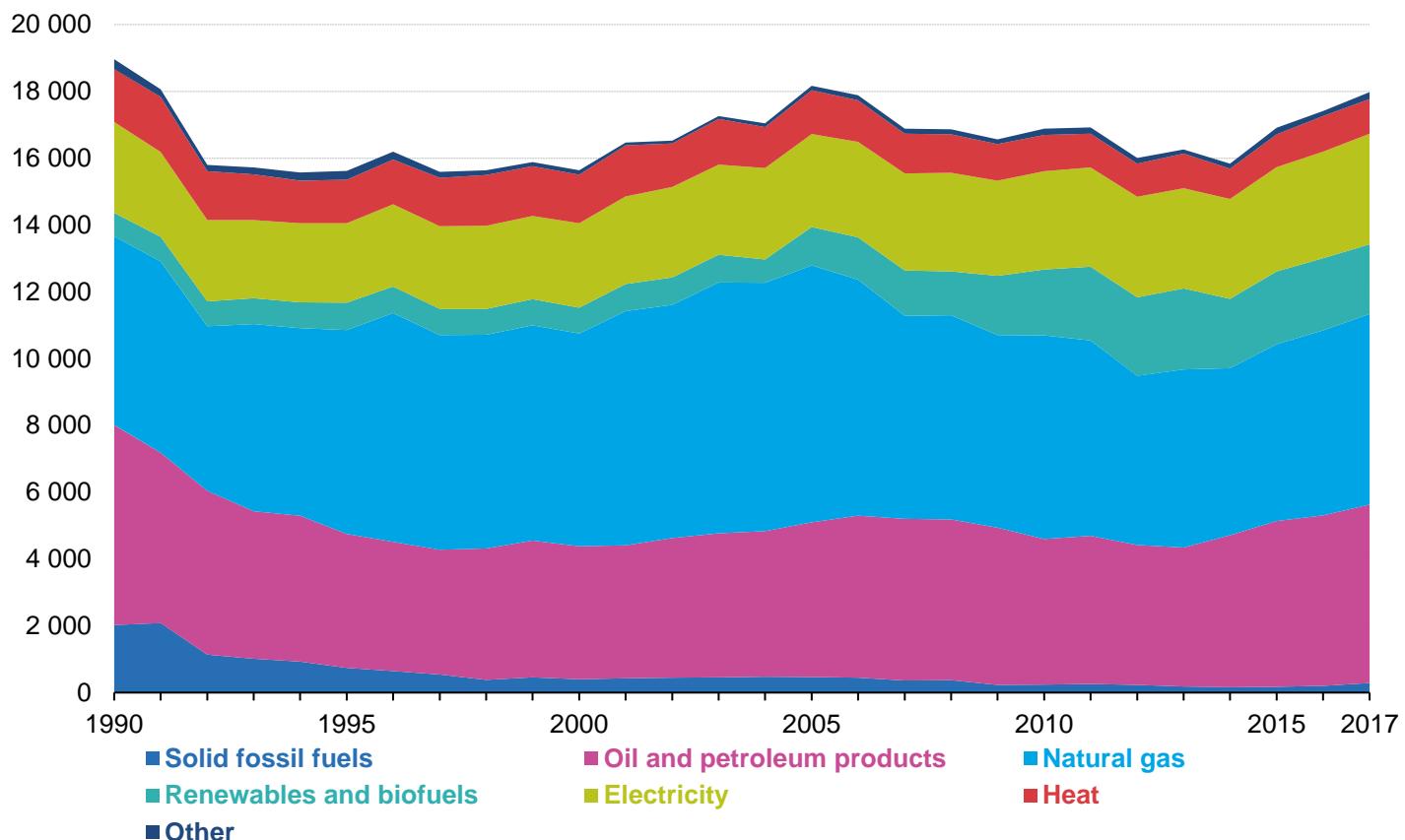


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

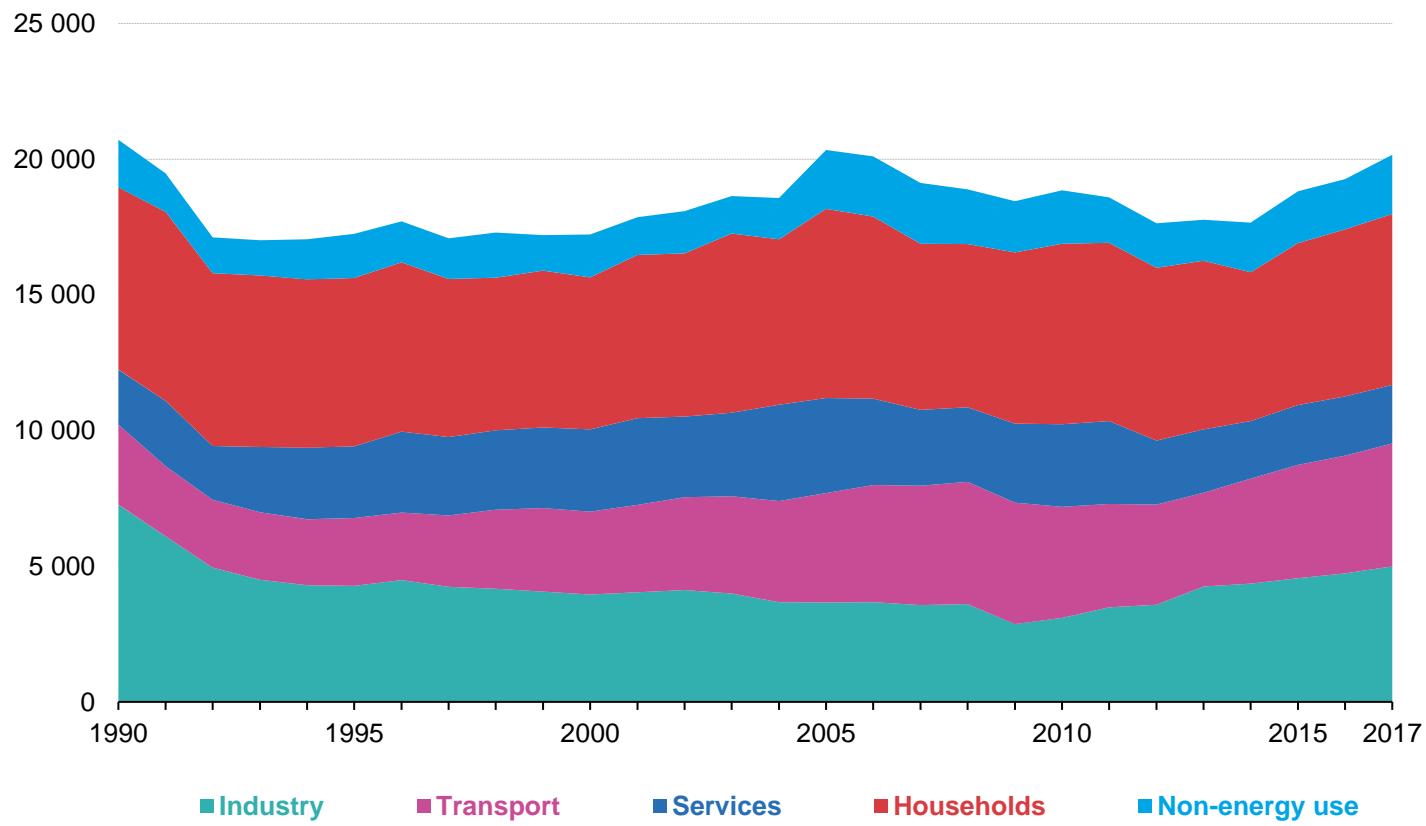
# Hungary

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Malta		Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017												
+ Primary production	30.3	0.0	Z	0.0	0.0	0.0	0.0	0.0	30.3	0.0	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	3 179.2	0.0	0.0	0.0	0.0	0.0	2 840.9	254.3	6.9	0.0	Z	0.0	77.1
- Exports	154.0	0.0	0.0	0.0	0.0	0.0	151.0	0.0	0.0	0.0	Z	0.0	3.1
+ Change in stock	-116.7	0.0	0.0	0.0	0.0	0.0	-107.2	-12.6	3.1	0.0	Z	Z	Z
= Gross available energy	<b>2 938.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 582.7</b>	<b>241.7</b>	<b>40.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>74.1</b>
- International maritime bunkers	2 109.6	0.0	0.0	0.0	0.0	0.0	2 109.6	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>829.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>473.1</b>	<b>241.7</b>	<b>40.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>74.1</b>
- International aviation	139.4	Z	Z	Z	Z	139.4	Z	0.0	Z	Z	Z	Z	Z
= Total energy supply	<b>689.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>333.7</b>	<b>241.7</b>	<b>40.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>74.1</b>
<b>Transformation input</b>	<b>305.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>51.6</b>	<b>231.6</b>	<b>22.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation	298.4	0.0	0.0	0.0	0.0	0.0	51.6	231.6	15.1	0.0	0.0	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	7.2	Z	Z	Z	Z	Z	Z	7.2	Z	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>149.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>7.2</b>	<b>Z</b>	<b>Z</b>	<b>0.4</b>	<b>141.4</b>	
+ Electricity & heat generation	141.8	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.4	141.4	
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	7.2	Z	Z	Z	Z	Z	Z	7.2	Z	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>4.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>4.3</b>
+ Own use in electricity & heat genera	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	4.3
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Distribution losses</b>	<b>20.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>10.7</b>
<b>Available for final consumption</b>	<b>508.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>282.1</b>	<b>0.0</b>	<b>25.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.4</b>	<b>200.5</b>
<b>Final non-energy consumption</b>	<b>10.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>495.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>269.2</b>	<b>0.0</b>	<b>25.2</b>	<b>0.0</b>	<b>Z</b>	<b>0.4</b>	<b>200.5</b>
+ Industry	57.2	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	Z	0.0	39.5
+ Iron & steel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Chemical & petrochemical	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	4.3
+ Non-ferrous metals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Non-metallic minerals	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.8
+ Transport equipment	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	1.8
+ Machinery	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	9.9
+ Mining & quarrying	1.2	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	Z	0.0	0.1
+ Food, beverages & tobacco	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	5.9
+ Paper, pulp & printing	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	2.2
+ Wood & wood products	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.2
+ Construction	3.1	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	Z	0.0	2.4
+ Textile & leather	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	2.6
+ Not elsewhere specified (industry)	25.3	0.0	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	Z	0.0	9.4
+ Transport	208.8	0.0	0.0	0.0	0.0	199.9	0.0	8.9	0.0	0.0	Z	Z	0.0
+ Rail	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0	Z	Z	0.0
+ Road	194.8	Z	Z	Z	Z	186.0	0.0	8.8	0.0	0.0	Z	Z	0.0
+ Domestic aviation	0.6	Z	Z	Z	Z	0.6	Z	0.0	Z	Z	Z	Z	Z
+ Domestic navigation	13.4	0.0	0.0	0.0	0.0	13.3	Z	0.1	0.0	Z	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	229.3	0.0	0.0	0.0	0.0	51.6	0.0	16.3	0.0	0.0	Z	0.4	161.0
+ Commercial & public services	126.4	0.0	0.0	0.0	0.0	29.9	0.0	4.4	0.0	0.0	Z	0.4	91.7
+ Households	94.2	0.0	0.0	0.0	0.0	16.4	0.0	11.9	0.0	0.0	Z	0.0	65.9
+ Agriculture & forestry	4.8	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	Z	0.0	1.1
+ Fishing	1.8	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	Z	0.0	0.2
+ Not elsewhere specified (other)	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	2.1
<b>Statistical differences</b>	<b>2.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production	141.4	0.0	0.0	0.0	0.0	16.6	110.6	14.2	0.0	0.0	Z	Z	Z
Gross heat production	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	Z	0.0	0.0

Source: Eurostat (nrg\_bal\_c)

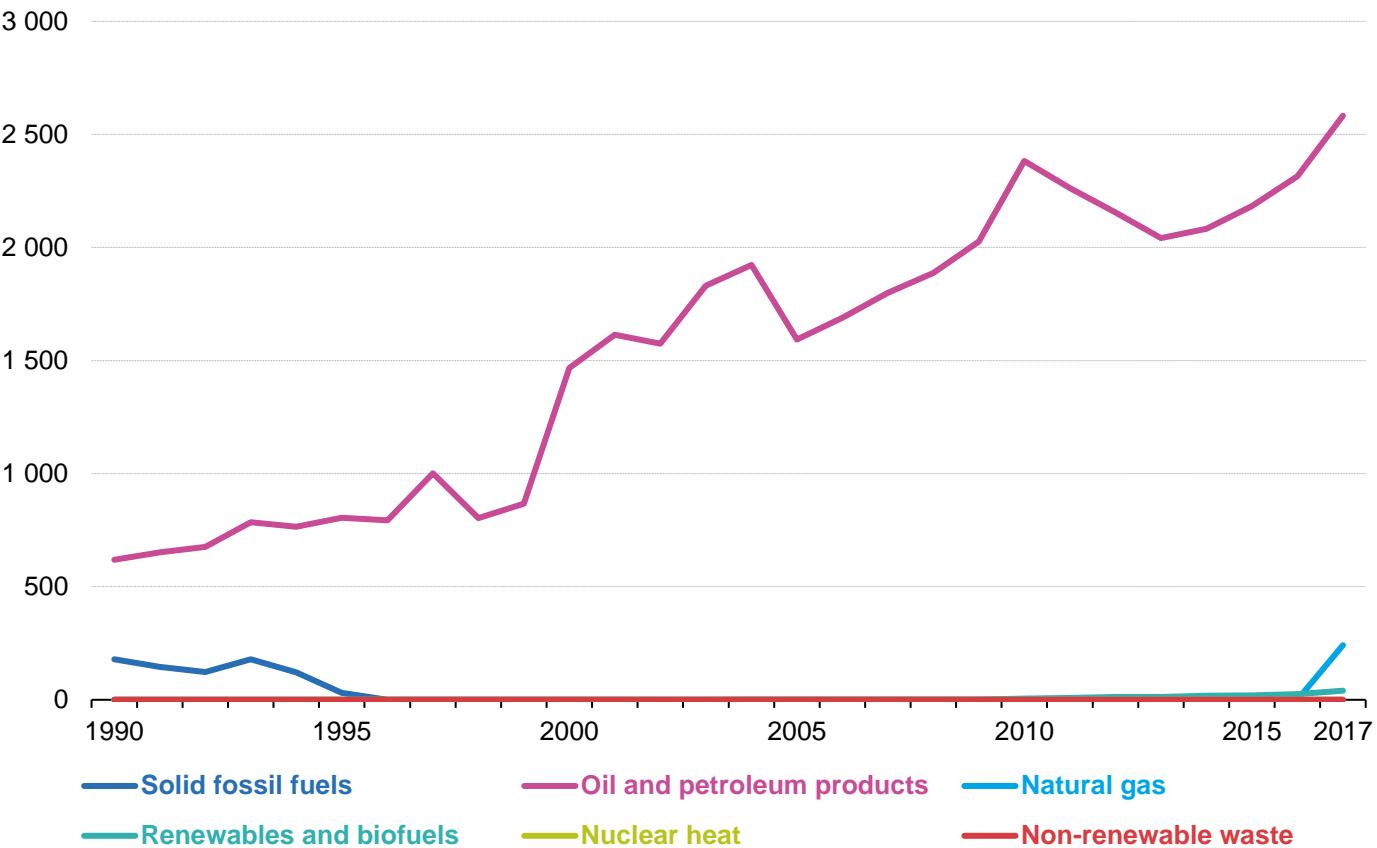
eurostat ■ Energy balance sheets — 2017 data

Malta	ktoe								
	2005	2010	2011	2012	2013	2014	2015	2016	2017
<b>Gross available energy</b>	1 594	2 388	2 271	2 166	2 054	2 101	2 294	2 470	2 939
Solid fossil fuels	0	0	0	0	0	0	0	0	0
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0
Petroleum products	1 594	2 383	2 263	2 155	2 042	2 082	2 183	2 315	2 583
Natural gas	0	0	0	0	0	0	0	0	242
Nuclear heat	0	0	0	0	0	0	0	0	0
Renewable energies	1	5	8	12	13	19	20	25	40
Non-renewable wastes	0	0	0	0	0	0	0	0	0
<b>Primary production</b>	1	4	6	9	9	13	16	19	30
Solid fossil fuels	0	0	0	0	0	0	0	0	0
Peat	0	0	0	0	0	0	0	0	0
Oil shale and oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0
Natural gas	0	0	0	0	0	0	0	0	0
Nuclear heat	0	0	0	0	0	0	0	0	0
Renewable energies	1	4	6	9	9	13	16	19	30
Non-renewable wastes	0	0	0	0	0	0	0	0	0
<b>Net imports</b>	1 594	2 365	2 300	2 187	2 139	2 052	2 232	2 497	3 025
Solid fossil fuels	0	0	0	0	0	0	0	0	0
Crude oil	0	0	0	0	0	0	0	0	0
Gas/Diesel Oil (w/o bio)	311	463	429	419	395	391	425	440	576
Motor Gasoline (w/o bio)	68	71	84	66	75	80	79	72	86
Naphtha	0	0	0	0	0	0	0	0	0
LPG	20	24	23	25	24	24	25	19	26
All other oil & petroleum products	1 195	1 806	1 762	1 674	1 641	1 551	1 607	1 826	2 001
Natural gas	0	0	0	0	0	0	0	0	254
<b>Transformation input</b>	611	578	594	631	514	507	276	190	306
Electricity & heat generation	611	578	593	629	512	504	272	184	298
Refinery intake	0	0	0	0	0	0	0	0	0
Coke ovens	0	0	0	0	0	0	0	0	0
Blast furnaces	0	0	0	0	0	0	0	0	0
<b>Transformation output</b>	193	182	188	199	195	197	116	80	149
Electricity & heat generation	193	182	187	197	194	193	112	74	142
Refinery output	0	0	0	0	0	0	0	0	0
Coke ovens	0	0	0	0	0	0	0	0	0
Blast furnaces	0	0	0	0	0	0	0	0	0
<b>Energy sector</b>	11	10	11	10	10	9	6	4	4
<b>Distribution losses</b>	22	15	16	19	16	11	15	19	21
<b>Available for final consumption</b>	396	415	399	420	428	446	461	461	508
Solid fossil fuels	0	0	0	0	0	0	0	0	0
Manufactured gases	0	0	0	0	0	0	0	0	0
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Gas/Diesel Oil (w/o bio)	107	126	118	121	137	145	149	153	156
Motor Gasoline (w/o bio)	68	75	75	75	74	75	78	79	80
Naphtha	0	0	0	0	0	0	0	0	0
LPG	20	25	23	24	23	23	25	18	29
All other oil & petroleum products	41	27	16	23	17	18	16	17	17
Natural gas	0	0	0	0	0	0	0	0	0
Primary solid biofuels & charcoal	0	1	1	1	1	1	1	1	1
Liquid biofuels	0	1	2	3	4	5	4	6	9
All other renewable energies	1	4	4	5	5	5	6	6	15
Non-renewable wastes	0	0	0	0	0	0	0	0	0
Electricity	160	157	160	167	168	172	182	182	201
Heat	0	0	0	0	0	0	0	0	0
<b>Statistical difference</b>	0	5	2	2	0	6	-5	-8	3
<b>Final non-energy consumption</b>	20	9	9	11	7	5	6	9	10
<b>Final energy consumption</b>	376	401	388	407	421	435	459	460	495
Industry	50	44	40	44	43	45	46	45	57
Transport	165	185	183	181	187	186	197	197	209
Other sectors	161	172	165	182	191	204	217	218	229
Services	63	92	88	100	109	120	126	124	126
Households	72	69	69	72	72	80	82	94	

Source: Eurostat (nrg\_bal\_c)

# Malta

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

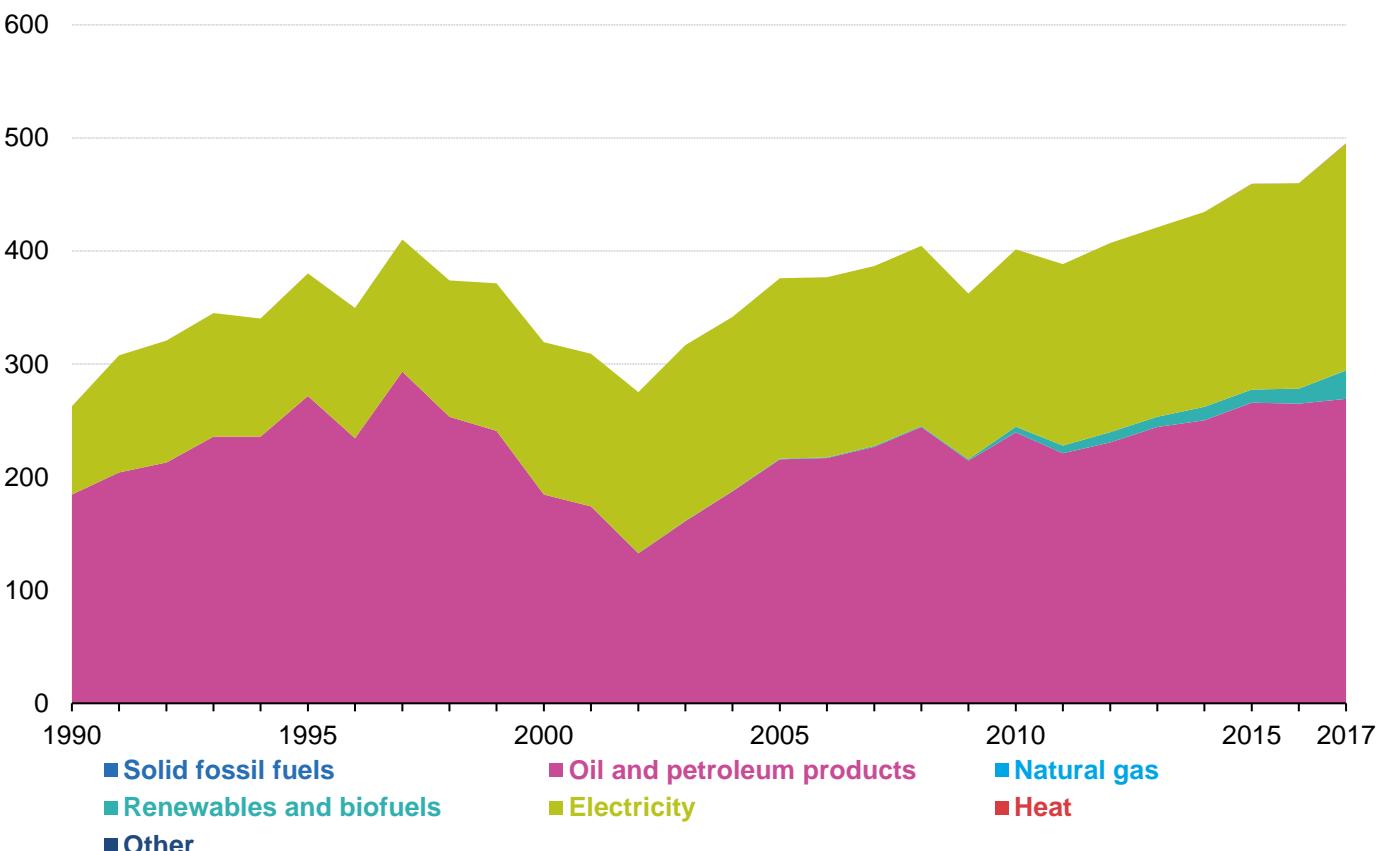


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

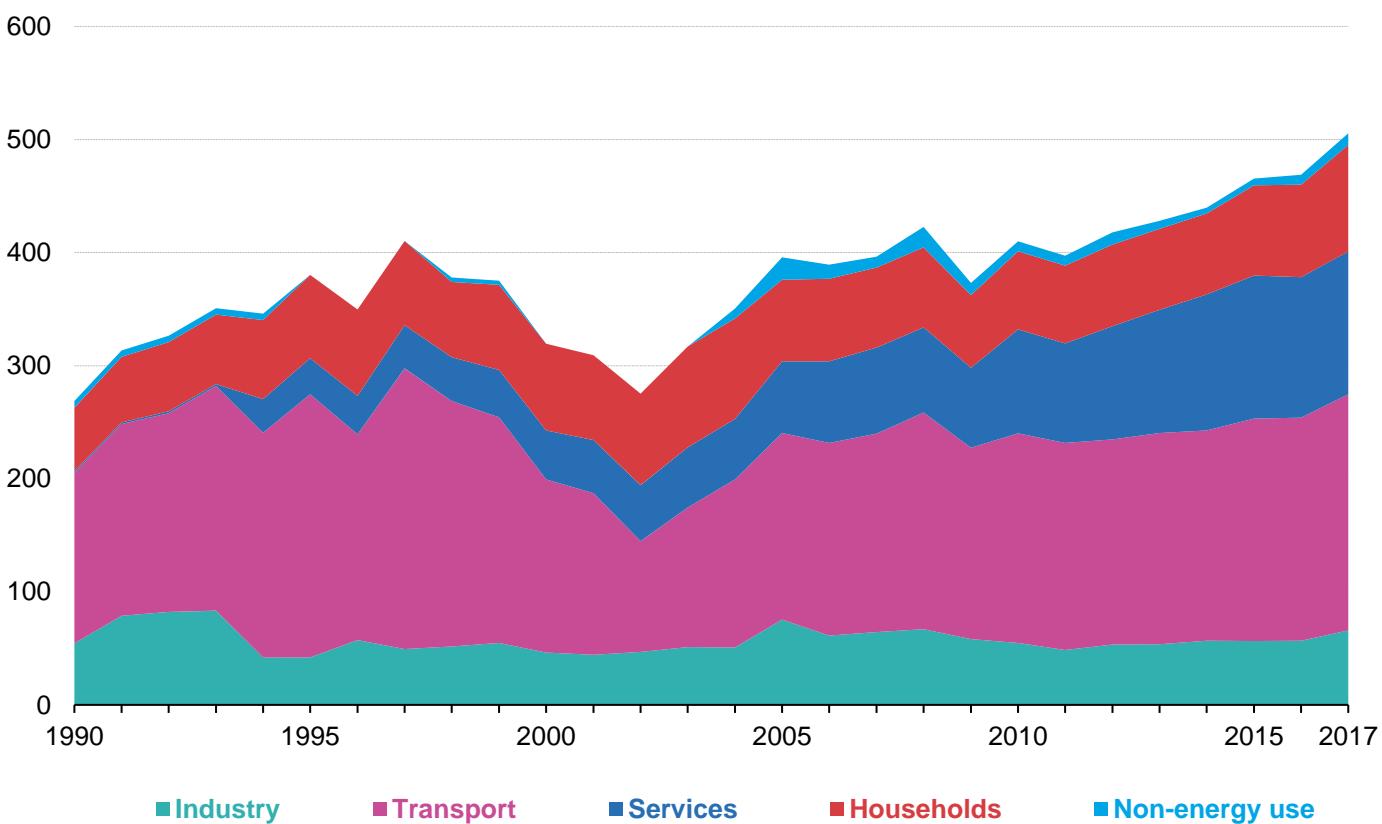
# Malta

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Netherlands ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	41 712.2	0.0	Z	0.0	0.0	1 471.6	33 167.6	5 605.8	677.7	789.5	Z	Z
+ Recovered & recycled products	446.6	0.0	Z	0.0	0.0	446.6	Z	0.0	Z	Z	Z	Z
+ Imports	204 403.8	9 413.7	0.0	0.0	0.0	153 574.1	38 801.1	469.5	214.4	Z	0.0	1 931.0
- Exports	157 805.5	190.7	0.0	0.0	0.0	114 072.5	40 165.3	1 711.4	36.1	Z	0.0	1 629.5
+ Change in stock	1 180.1	-75.5	0.0	0.0	0.0	2 238.7	-889.6	-93.4	0.0	Z	Z	Z
= Gross available energy	<b>89 937.2</b>	<b>9 147.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>43 658.4</b>	<b>30 913.8</b>	<b>4 270.5</b>	<b>856.0</b>	<b>789.5</b>	<b>0.0</b>	<b>301.5</b>
- International maritime bunkers	11 652.4	0.0	0.0	0.0	0.0	11 649.0	3.5	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>78 284.7</b>	<b>9 147.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>32 009.4</b>	<b>30 910.3</b>	<b>4 270.5</b>	<b>856.0</b>	<b>789.5</b>	<b>0.0</b>	<b>301.5</b>
- International aviation	4 013.6	Z	Z	Z	Z	4 013.6	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>74 271.2</b>	<b>9 147.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>27 995.8</b>	<b>30 910.3</b>	<b>4 270.5</b>	<b>856.0</b>	<b>789.5</b>	<b>0.0</b>	<b>301.5</b>
<b>Transformation input</b>	<b>120 391.8</b>	<b>10 447.2</b>	<b>602.3</b>	<b>0.0</b>	<b>0.0</b>	<b>94 395.5</b>	<b>9 782.5</b>	<b>3 192.4</b>	<b>824.5</b>	<b>789.5</b>	<b>358.0</b>	<b>0.0</b>
+ Electricity & heat generation	21 695.3	6 126.3	602.3	0.0	0.0	496.2	9 782.5	2 716.1	824.5	789.5	358.0	0.0
+ Coke ovens	1 882.2	1 882.2	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	2 438.8	2 438.8	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	93 769.7	Z	Z	Z	Z	93 769.7	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	203.6	Z	0.0	Z	Z	129.5	Z	74.1	Z	Z	Z	Z
+ Liquid biofuels blended	402.2	Z	Z	Z	Z	Z	Z	402.2	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>	<b>109 595.2</b>	<b>1 408.7</b>	<b>1 289.1</b>	<b>0.0</b>	<b>Z</b>	<b>93 511.9</b>	<b>106.4</b>	<b>402.2</b>	<b>Z</b>	<b>Z</b>	<b>2 794.3</b>	<b>10 082.5</b>
+ Electricity & heat generation	12 876.8	Z	Z	Z	Z	Z	Z	Z	Z	Z	2 794.3	10 082.5
+ Coke ovens	1 813.7	1 408.7	405.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	884.2	0.0	884.2	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	93 511.9	Z	Z	Z	Z	93 511.9	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	106.4	Z	Z	Z	Z	Z	106.4	Z	Z	Z	Z	Z
+ Liquid biofuels blended	402.2	Z	Z	Z	Z	Z	Z	402.2	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>4 794.9</b>	<b>0.0</b>	<b>196.3</b>	<b>0.0</b>	<b>0.0</b>	<b>2 139.7</b>	<b>1 373.1</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>260.8</b>	<b>824.9</b>
+ Own use in electricity & heat genera	334.5	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	Z	0.0	326.3
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Oil & natural gas extraction plants	814.2	Z	Z	Z	Z	Z	578.2	0.0	Z	Z	0.0	236.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	204.0	0.0	196.3	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	7.7
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	3 330.3	0.0	0.0	0.0	0.0	2 139.7	747.9	0.0	0.0	Z	228.5	214.1
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	111.9	0.0	0.0	0.0	0.0	0.0	38.8	0.0	0.0	Z	32.2	40.8
<b>Distribution losses</b>	<b>563.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>98.2</b>	<b>465.5</b>
<b>Available for final consumption</b>	<b>58 115.9</b>	<b>109.0</b>	<b>490.5</b>	<b>0.0</b>	<b>0.0</b>	<b>24 972.6</b>	<b>19 861.2</b>	<b>1 480.3</b>	<b>31.6</b>	<b>0.0</b>	<b>2 077.3</b>	<b>9 093.5</b>
<b>Final non-energy consumption</b>	<b>13 567.1</b>	<b>5.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11 002.5</b>	<b>2 559.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>44 953.3</b>	<b>103.4</b>	<b>490.5</b>	<b>0.0</b>	<b>0.0</b>	<b>14 223.4</b>	<b>17 427.3</b>	<b>1 479.4</b>	<b>31.6</b>	<b>Z</b>	<b>2 113.8</b>	<b>9 083.9</b>
+ Industry	13 844.6	100.2	490.5	0.0	0.0	3 221.6	5 272.7	136.0	0.0	Z	1 545.0	3 078.5
+ Iron & steel	986.8	2.9	490.5	0.0	0.0	5.2	265.8	0.0	0.0	Z	0.1	222.3
+ Chemical & petrochemical	7 305.6	0.0	0.0	0.0	0.0	2 762.4	2 144.7	0.0	0.0	Z	1 308.9	1 089.6
+ Non-ferrous metals	270.7	0.0	0.0	0.0	0.0	0.0	73.8	0.0	0.0	Z	25.4	171.5
+ Non-metallic minerals	588.0	43.7	0.0	0.0	0.0	13.2	422.2	0.0	0.0	Z	0.1	108.7
+ Transport equipment	104.9	0.0	0.0	0.0	0.0	4.1	50.1	0.0	0.0	Z	0.1	50.7
+ Machinery	548.2	0.0	0.0	0.0	0.0	3.1	264.6	0.0	0.0	Z	0.9	279.5
+ Mining & quarrying	119.4	4.1	0.0	0.0	0.0	3.1	47.9	0.0	0.0	Z	40.8	23.5
+ Food, beverages & tobacco	2 132.3	30.9	0.0	0.0	0.0	1.1	1 368.5	10.3	0.0	Z	118.6	603.0
+ Paper, pulp & printing	589.6	0.0	0.0	0.0	0.0	0.0	327.2	5.2	0.0	Z	42.9	214.4
+ Wood & wood products	51.8	0.0	0.0	0.0	0.0	0.0	11.0	27.4	0.0	Z	0.0	13.4
+ Construction	627.7	1.3	0.0	0.0	0.0	0.0	428.3	102.0	17.0	0.0	Z	0.0
+ Textile & leather	97.5	0.0	0.0	0.0	0.0	0.0	61.6	0.0	0.0	Z	4.0	31.8
+ Not elsewhere specified (industry)	422.0	17.3	0.0	0.0	0.0	1.1	133.2	76.2	0.0	Z	3.1	191.1
+ Transport	10 674.1	0.0	0.0	0.0	0.0	10 154.9	45.9	306.6	0.0	Z	166.7	
+ Rail	162.3	0.0	0.0	0.0	0.0	26.8	Z	0.9	0.0	Z	134.5	
+ Road	10 197.0	Z	Z	Z	Z	9 813.2	45.9	305.7	0.0	Z	32.2	
+ Domestic aviation	10.4	Z	Z	Z	Z	10.4	Z	0.0	Z	Z	Z	
+ Domestic navigation	304.5	0.0	0.0	0.0	0.0	304.5	Z	0.0	0.0	Z	Z	
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Other	20 434.6	3.2	0.0	0.0	0.0	846.9	12 108.7	1 036.7	31.6	Z	568.9	5 838.7
+ Commercial & public services	6 830.6	2.0	0.0	0.0	0.0	168.2	3 079.7	260.3	31.6	Z	195.3	3 093.5
+ Households	9 699.2	1.1	0.0	0.0	0.0	37.2	6 885.8	547.2	0.0	Z	285.2	1 942.7
+ Agriculture & forestry	3 675.0	0.0	0.0	0.0	0.0	422.6	2 139.7	221.8	0.0	Z	88.4	802.5
+ Fishing	154.8	0.0	0.0	0.0	0.0	154.8	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	75.0	0.0	0.0	0.0	0.0	64.1	3.5	7.4	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>-404.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-253.4</b>	<b>-125.1</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>-36.5</b>	<b>9.6</b>
Gross electricity production	10 072.1	2 689.2	237.0	0.0	0.0	101.9	5 107.3	1 499.0	145.2	292.6	Z	Z
Gross heat production	2 656.1	62.8	6.0	0.0	0.0	274.8	1 682.1	384.7	245.7	0.0	Z	0.0

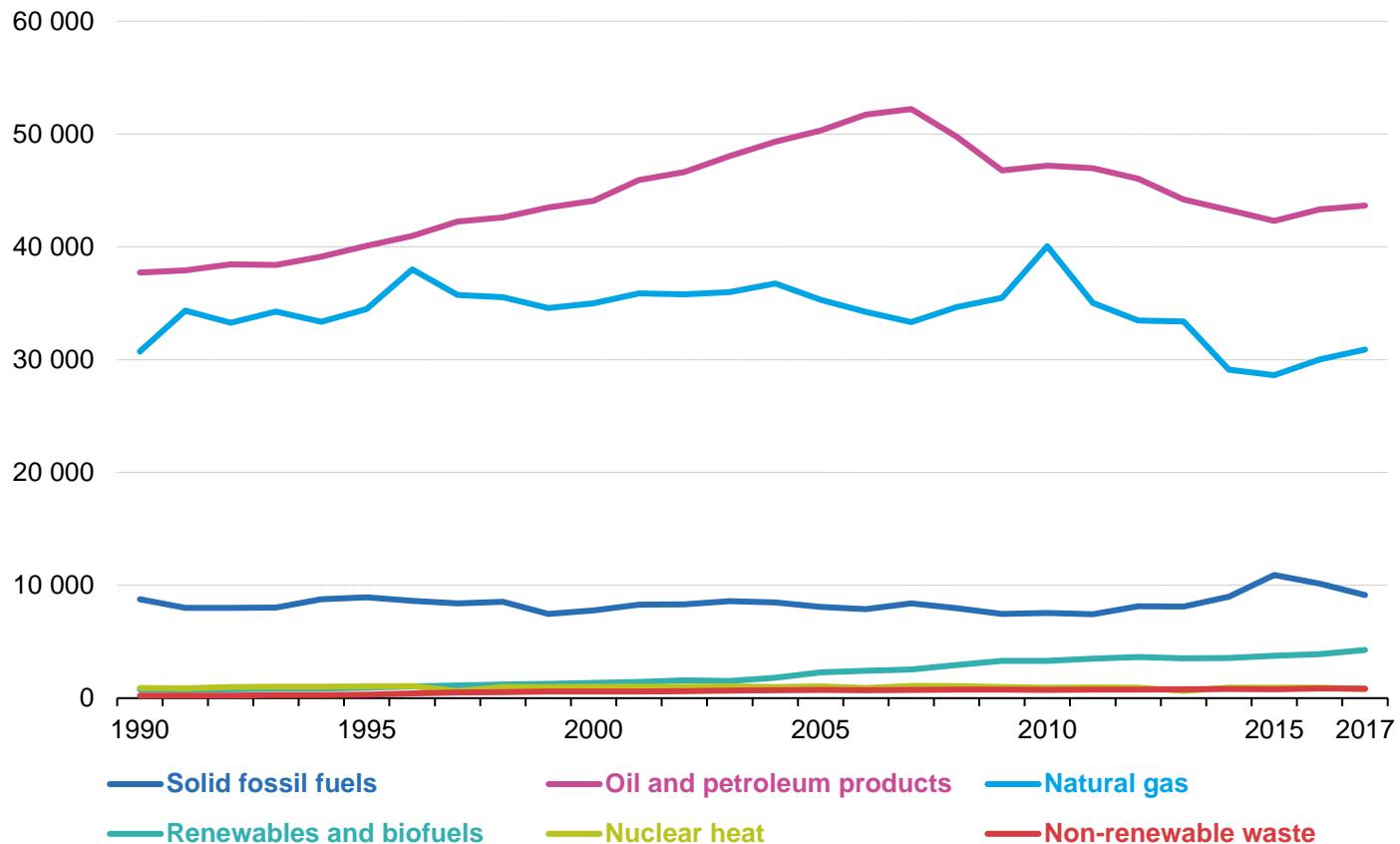
Source: Eurostat (nrg\_bal\_c)

Netherlands	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	99 332	100 014	95 475	94 449	92 261	87 969	88 096	89 605	89 937	
Solid fossil fuels	8 094	7 541	7 439	8 152	8 125	9 007	10 915	10 146	9 148	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	64 135	62 189	59 992	59 696	57 314	58 280	61 647	62 607	62 580	
Petroleum products	-13 827	-14 978	-13 013	-13 657	-13 117	-15 004	-19 342	-19 280	-18 921	
Natural gas	35 325	40 066	35 043	33 486	33 381	29 103	28 629	30 033	30 914	
Nuclear heat	1 031	917	959	920	656	941	937	916	790	
Renewable energies	2 282	3 315	3 512	3 633	3 539	3 556	3 760	3 900	4 270	
Non-renewable wastes	718	725	760	747	795	819	797	860	856	
<b>Primary production</b>	62 459	71 124	66 390	66 102	69 774	60 297	47 935	46 123	41 712	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	2 546	1 636	1 642	1 691	1 735	2 088	2 038	1 578	1 472	
Natural gas	56 177	64 718	59 757	58 816	62 258	51 923	39 447	38 083	33 168	
Nuclear heat	1 031	917	959	920	656	941	937	916	790	
Renewable energies	1 987	3 129	3 286	4 004	4 471	4 668	4 866	4 869	5 606	
Non-renewable wastes	718	725	746	671	654	677	647	676	678	
<b>Net imports</b>	37 527	28 282	28 029	28 931	21 896	27 214	42 671	41 142	46 598	
Solid fossil fuels	8 197	7 645	7 507	8 065	7 930	9 240	10 535	10 100	9 223	
Crude oil	52 257	51 589	49 910	50 518	47 567	47 797	52 977	55 065	53 452	
Gas/Diesel Oil (w/o bio)	-11 948	-12 689	-12 930	-11 395	-11 973	-12 745	-10 684	-11 617	-12 818	
Motor Gasoline (w/o bio)	-5 827	-7 070	-4 745	-7 460	-7 853	-9 615	-11 197	-9 908	-9 719	
Naphtha	1 052	2 802	628	4 806	3 259	3 974	3 666	3 361	4 408	
LPG	715	404	568	-1	1 226	1 938	2 144	1 367	1 254	
All other oil & petroleum products	12 152	9 447	9 907	8 607	9 887	8 183	5 941	2 974	2 923	
Natural gas	-20 940	-24 209	-23 880	-25 439	-29 020	-21 783	-10 494	-9 850	-1 364	
<b>Transformation input</b>	111 740	113 014	108 076	108 803	108 096	111 818	118 039	119 573	120 392	
Electricity & heat generation	22 411	23 925	22 408	20 985	20 545	21 319	21 917	22 158	21 695	
Refinery intake	61 240	60 612	59 333	59 213	57 576	58 627	60 978	61 877	61 407	
Coke ovens	2 162	2 008	2 026	1 878	1 922	1 991	2 030	1 980	1 882	
Blast furnaces	2 383	2 098	2 290	2 364	2 233	2 287	2 326	2 311	2 439	
<b>Transformation output</b>	99 317	100 579	96 750	97 461	97 603	100 715	106 609	108 156	109 595	
Electricity & heat generation	12 855	14 074	13 476	12 438	12 323	12 402	12 433	12 677	12 877	
Refinery output	59 980	59 432	58 463	58 172	56 818	58 058	60 752	61 595	61 171	
Coke ovens	2 040	1 881	1 862	1 757	1 815	1 850	1 881	1 853	1 814	
Blast furnaces	901	857	886	884	851	864	877	851	884	
<b>Energy sector</b>	4 945	4 907	5 283	4 977	4 993	5 021	5 233	4 988	4 795	
<b>Distribution losses</b>	585	584	539	528	524	499	548	557	564	
<b>Available for final consumption</b>	62 113	64 819	59 858	60 360	59 631	54 791	55 138	56 875	58 116	
Solid fossil fuels	215	248	243	238	201	141	-14	36	109	
Manufactured gases	487	459	455	444	438	437	475	474	491	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	7 909	7 919	7 943	7 536	7 678	6 932	6 857	6 795	6 879	
Motor Gasoline (w/o bio)	4 040	4 048	4 100	3 920	3 823	3 894	3 782	3 906	4 036	
Naphtha	5 059	5 550	4 794	5 970	4 589	3 730	3 901	4 974	5 686	
LPG	1 627	1 459	1 605	1 227	2 006	2 566	2 749	2 267	2 024	
All other oil & petroleum products	7 341	7 299	6 516	6 241	6 123	5 941	5 971	6 347	6 347	
Natural gas	21 950	24 544	20 937	21 757	21 838	18 270	18 976	19 645	19 861	
Primary solid biofuels & charcoal	467	519	530	550	564	620	642	662	719	
Liquid biofuels	10	243	322	335	320	375	321	257	332	
All other renewable energies	136	258	264	287	322	355	392	404	430	
Non-renewable wastes	46	58	50	41	41	41	36	34	32	
Electricity	8 978	9 236	9 282	9 159	9 020	8 849	8 881	8 988	9 094	
Heat	3 849	2 979	2 817	2 656	2 668	2 641	2 169	2 086	2 077	
<b>Statistical difference</b>	-433	-302	-368	-443	-340	-497	-1 178	-562	-405	
<b>Final non-energy consumption</b>	13 579	14 370	13 428	13 769	12 790	12 560	12 234	12 755	13 567	
<b>Final energy consumption</b>	48 967	50 751	46 798	47 034	47 182	42 727	44 081	44 682	44 953	
Industry	15 640	14 419	13 868	13 680	13 502	13 237	13 429	13 781	13 845	
Transport	11 379	11 657	11 786	11 278	10 985	10 262	10 380	10 399	10 674	
Other sectors	21 948	24 676	21 144	22 076	22 695	19 229	20 272	20 502	20 435	
Services	6 944	7 847	6 989	7 239	7 268	6 412	6 801	6 694	6 831	
Households	10 749	12 481	10 278	10 879	11 434	9 152	9 592	9 898	9 699	

Source: Eurostat (nrg\_bal\_c)

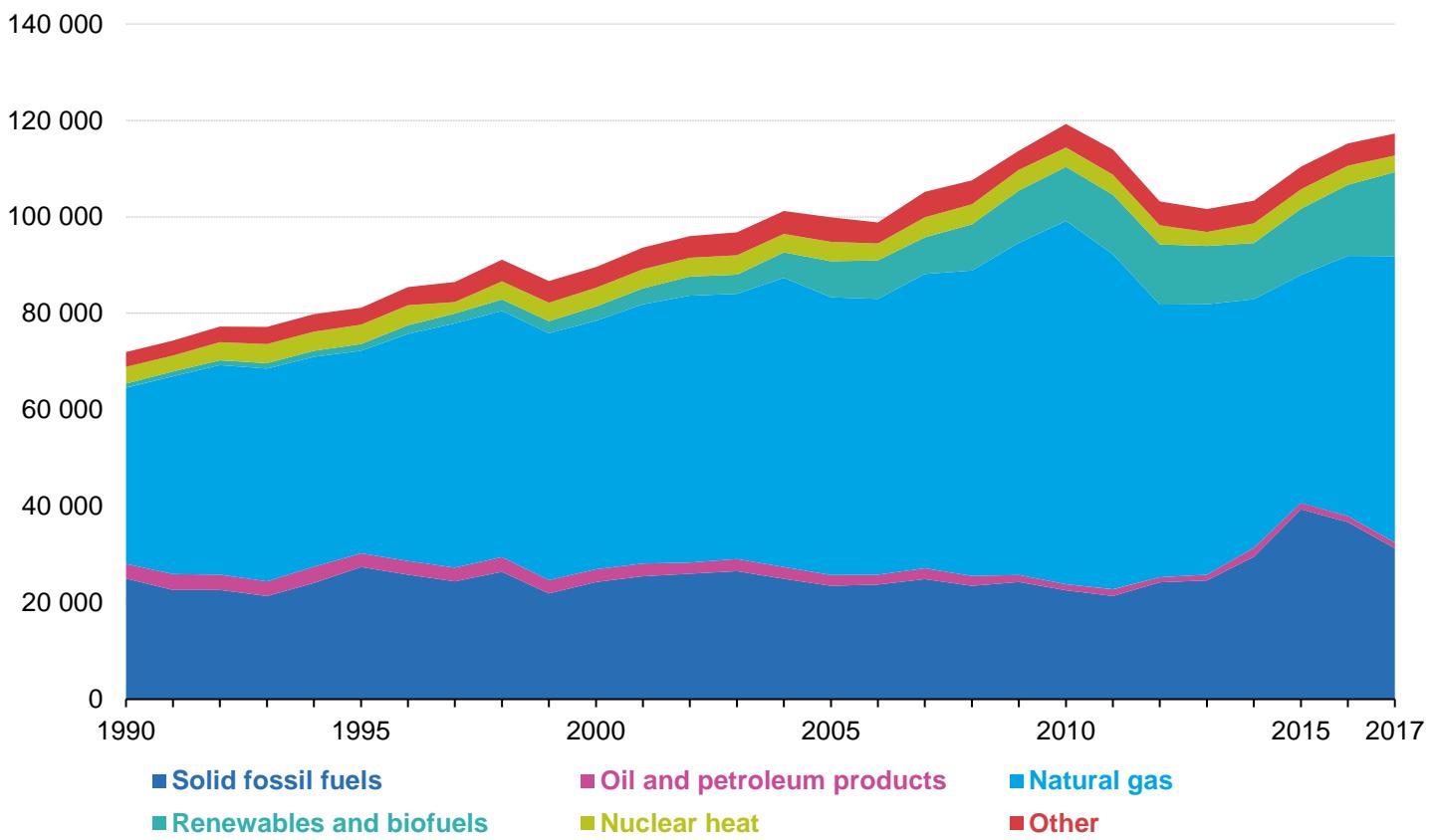
# Netherlands

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

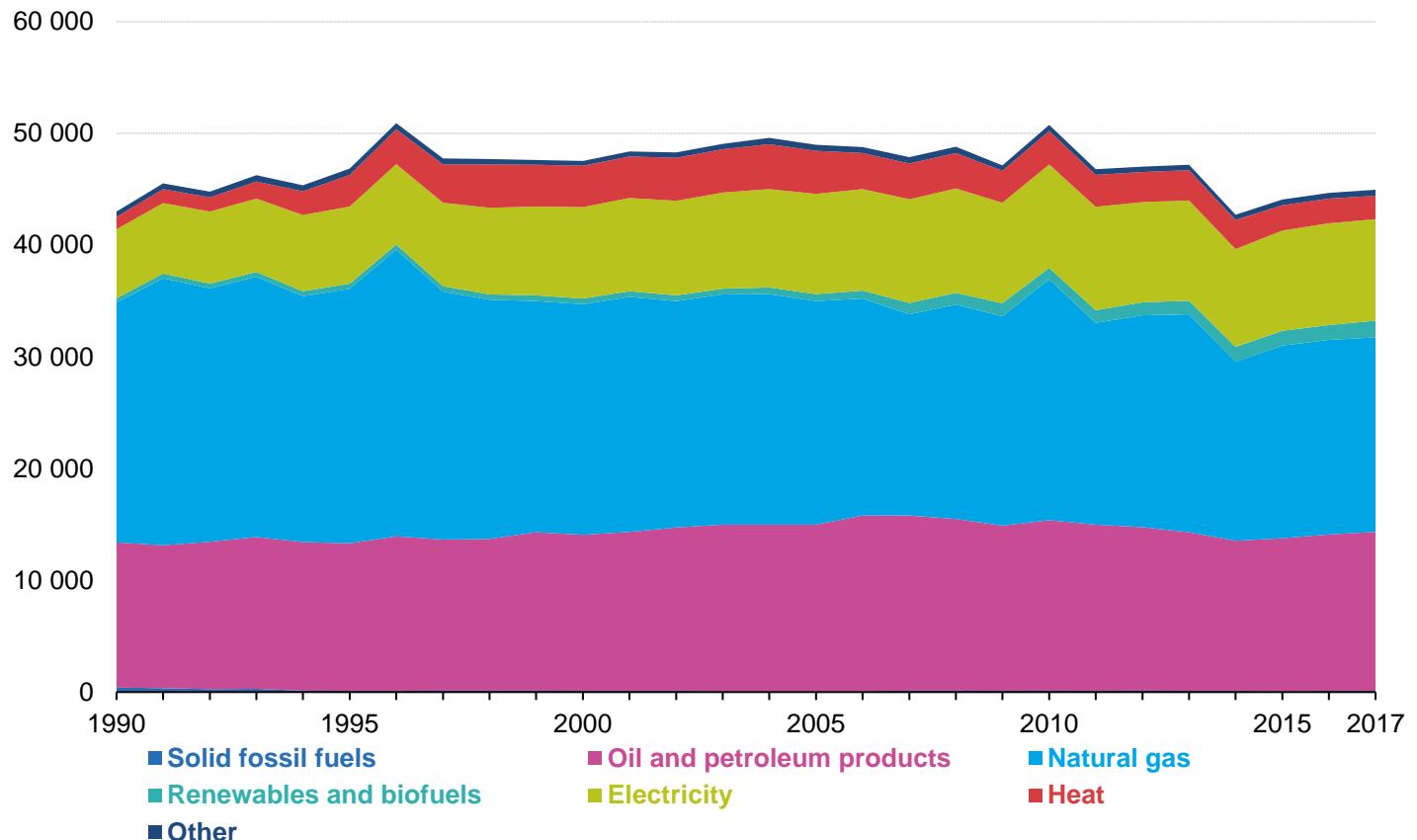


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

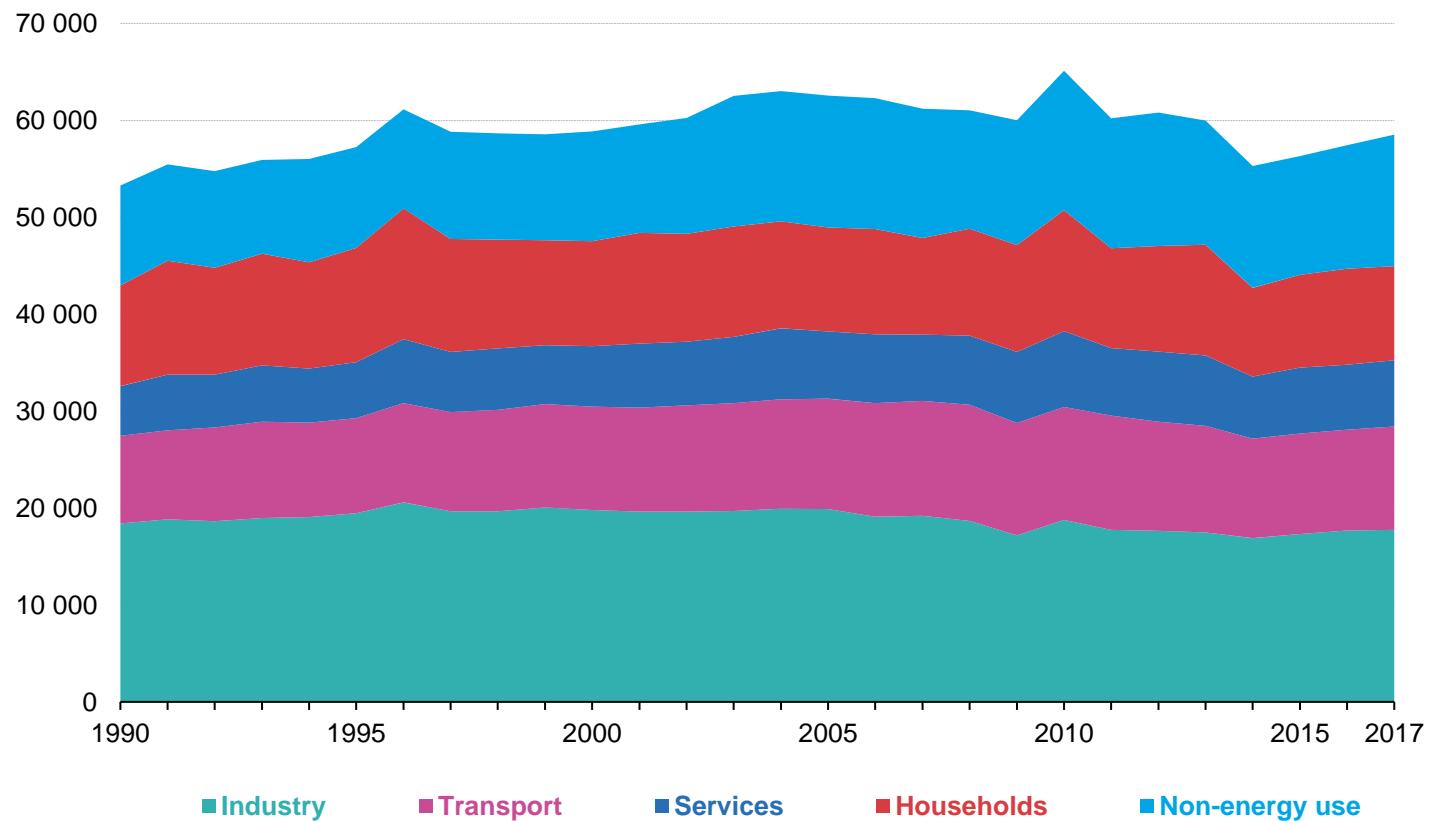
# Netherlands

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Austria ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		12 335.0	0.0	Z	0.0	0.0	745.8	1 042.9	9 812.8	733.5	0.0	Z	Z
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports		32 002.8	3 110.8	0.0	0.0	0.0	14 038.1	11 538.0	774.8	16.5	Z	0.0	2 524.7
- Exports		9 810.9	36.3	0.0	0.0	0.0	2 663.8	4 524.6	624.4	0.0	Z	0.0	1 961.9
+ Change in stock		-81.9	5.5	0.0	0.0	0.0	212.4	-279.9	-19.8	0.0	Z	Z	Z
= Gross available energy		<b>34 444.9</b>	<b>3 080.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12 332.4</b>	<b>7 776.4</b>	<b>9 943.3</b>	<b>750.0</b>	<b>0.0</b>	<b>0.0</b>	<b>562.8</b>
- International maritime bunkers		21.1	0.0	0.0	0.0	0.0	21.1	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>34 423.9</b>	<b>3 080.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12 311.4</b>	<b>7 776.4</b>	<b>9 943.3</b>	<b>750.0</b>	<b>0.0</b>	<b>0.0</b>	<b>562.8</b>
- International aviation		737.4	Z	Z	Z	Z	737.4	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>33 686.5</b>	<b>3 080.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11 574.0</b>	<b>7 776.4</b>	<b>9 943.3</b>	<b>750.0</b>	<b>0.0</b>	<b>0.0</b>	<b>562.8</b>
<b>Transformation input</b>		<b>23 104.5</b>	<b>3 697.6</b>	<b>479.6</b>	<b>0.0</b>	<b>0.0</b>	<b>9 373.0</b>	<b>2 439.8</b>	<b>6 215.3</b>	<b>414.5</b>	<b>0.0</b>	<b>2.1</b>	<b>482.4</b>
+ Electricity & heat generation		10 410.8	375.8	479.6	0.0	0.0	267.5	2 439.8	5 949.1	414.5	0.0	2.1	482.4
+ Coke ovens		1 229.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		2 092.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		9 105.6	Z	Z	Z	Z	9 105.6	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		264.1	Z	Z	Z	Z	Z	Z	264.1	Z	Z	Z	Z
+ Charcoal production plants		2.2	Z	Z	Z	Z	Z	Z	2.2	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>		<b>19 381.9</b>	<b>961.4</b>	<b>1 056.2</b>	<b>0.0</b>	<b>Z</b>	<b>8 841.9</b>	<b>0.0</b>	<b>264.9</b>	<b>Z</b>	<b>Z</b>	<b>2 124.7</b>	<b>6 132.8</b>
+ Electricity & heat generation		8 257.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	2 124.7	6 132.8
+ Coke ovens		1 179.7	961.4	218.3	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		837.9	0.0	837.9	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		8 841.9	Z	Z	Z	Z	8 841.9	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended		264.1	Z	Z	Z	Z	Z	Z	264.1	Z	Z	Z	Z
+ Charcoal production plants		0.9	Z	Z	Z	Z	Z	Z	0.9	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>1 475.1</b>	<b>1.5</b>	<b>450.5</b>	<b>0.0</b>	<b>0.0</b>	<b>237.4</b>	<b>219.1</b>	<b>0.0</b>	<b>39.3</b>	<b>Z</b>	<b>0.0</b>	<b>527.3</b>
+ Own use in electricity & heat genera		312.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	312.5	
+ Coal mines		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Oil & natural gas extraction plants		120.5	Z	Z	Z	Z	0.0	88.2	0.0	Z	Z	0.0	32.3
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	Z	Z	0.0	
+ Coke ovens		56.7	0.0	48.8	0.0	0.0	0.0	5.3	0.0	0.0	Z	0.0	2.6
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Blast furnaces		587.5	1.5	401.7	0.0	0.0	0.0	35.1	0.0	39.3	Z	0.0	109.9
+ Petroleum refineries (oil refineries)		397.9	0.0	0.0	0.0	0.0	237.4	90.5	0.0	0.0	Z	0.0	70.0
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Not elsewhere specified (energy)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0
<b>Distribution losses</b>		<b>624.7</b>	<b>0.0</b>	<b>19.3</b>	<b>0.0</b>	<b>0.0</b>	<b>2.7</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>315.6</b>	<b>287.1</b>	
<b>Available for final consumption</b>		<b>27 864.1</b>	<b>342.2</b>	<b>106.8</b>	<b>0.0</b>	<b>0.0</b>	<b>10 805.4</b>	<b>5 114.8</b>	<b>3 992.9</b>	<b>296.1</b>	<b>0.0</b>	<b>1 806.9</b>	<b>5 398.8</b>
<b>Final non-energy consumption</b>		<b>1 652.0</b>	<b>22.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 299.2</b>	<b>330.8</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>		<b>26 212.9</b>	<b>321.0</b>	<b>106.8</b>	<b>0.0</b>	<b>0.0</b>	<b>9 506.3</b>	<b>4 784.1</b>	<b>3 992.9</b>	<b>296.1</b>	<b>Z</b>	<b>1 806.9</b>	<b>5 398.8</b>
+ Industry		8 052.3	302.2	106.8	0.0	0.0	457.4	2 699.2	1 362.3	296.1	Z	279.2	2 549.2
+ Iron & steel		886.4	140.0	106.8	0.0	0.0	3.2	406.6	0.9	0.0	Z	8.4	220.4
+ Chemical & petrochemical		1 076.1	26.0	0.0	0.0	0.0	13.5	454.5	39.2	74.7	Z	72.1	396.3
+ Non-ferrous metals		223.6	4.1	0.0	0.0	0.0	1.4	118.9	0.9	4.5	Z	1.6	92.0
+ Non-metallic minerals		877.8	51.4	0.0	0.0	0.0	54.9	330.8	82.6	184.4	Z	1.9	171.9
+ Transport equipment		167.9	0.0	0.0	0.0	0.0	3.4	52.4	0.9	0.0	Z	20.6	90.5
+ Machinery		712.6	0.0	0.0	0.0	0.0	41.5	258.5	8.1	0.0	Z	27.3	377.1
+ Mining & quarrying		186.1	0.4	0.0	0.0	0.0	8.8	55.8	0.2	0.0	Z	0.1	120.8
+ Food, beverages & tobacco		688.8	3.8	0.0	0.0	0.0	51.1	328.1	33.5	0.0	Z	36.2	236.0
+ Paper, pulp & printing		1 811.3	76.5	0.0	0.0	0.0	8.9	479.7	816.5	3.9	Z	21.4	404.5
+ Wood & wood products		635.3	0.0	0.0	0.0	0.0	7.8	61.0	306.3	26.6	Z	65.4	168.3
+ Construction		421.2	0.0	0.0	0.0	0.0	257.3	53.8	29.1	0.7	Z	12.5	67.8
+ Textile & leather		83.1	0.0	0.0	0.0	0.0	1.7	43.9	0.3	0.0	Z	0.5	36.8
+ Not elsewhere specified (industry)		276.6	0.0	0.0	0.0	0.0	3.9	55.1	38.4	1.4	Z	11.2	166.6
+ Transport		8 656.8	0.1	0.0	0.0	0.0	7 620.9	290.7	468.2	0.0	Z	Z	277.0
+ Rail		217.4	0.1	0.0	0.0	0.0	39.7	Z	2.3	0.0	Z	Z	175.3
+ Road		8 031.8	Z	Z	Z	Z	7 547.6	17.2	465.8	0.0	Z	Z	1.2
+ Domestic aviation		29.8	Z	Z	Z	Z	29.8	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		3.8	0.0	0.0	0.0	0.0	3.8	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport		292.6	Z	Z	Z	Z	0.0	273.5	0.0	Z	Z	Z	19.1
+ Not elsewhere specified (transport)		81.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	81.4
+ Other		9 503.9	18.8	0.0	0.0	0.0	1 428.0	1 794.2	2 162.5	0.0	Z	1 527.8	2 572.6
+ Commercial & public services		2 386.6	0.0	0.0	0.0	0.0	156.3	324.0	179.1	0.0	Z	738.8	988.4
+ Households		6 594.5	18.4	0.0	0.0	0.0	1 045.2	1 448.8	1 817.6	0.0	Z	778.0	1 486.5
+ Agriculture & forestry		520.8	0.4	0.0	0.0	0.0	226.5	21.3	163.7	0.0	Z	11.0	97.8
+ Fishing		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)		2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
<b>Statistical differences</b>		<b>-0.8</b>	<b>-0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production		6 131.7	151.2	185.5	0.0	0.0	70.0	944.1	4 706.4	74.5	0.0	Z	Z
Gross heat production		2 122.6	73.1	20.4	0.0	0.0	111.8	771.7	993.2	152.4	0.0	Z	0.0

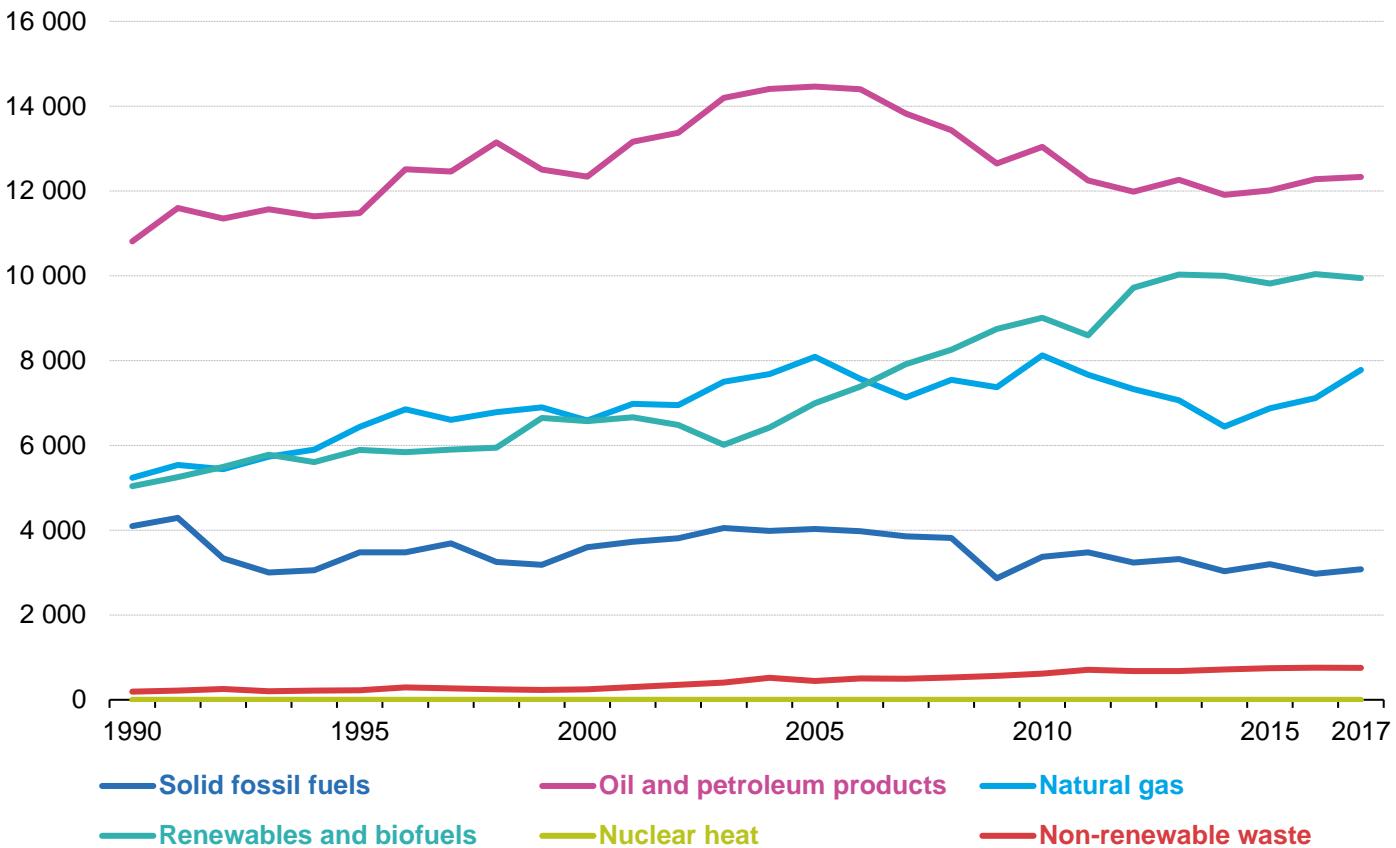
Source: Eurostat (nrg\_bal\_c)

Austria	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	34 236	34 371	33 389	33 186	33 973	32 899	33 512	33 779	34 445	
Solid fossil fuels	4 030	3 375	3 475	3 235	3 319	3 031	3 198	2 970	3 080	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	9 238	8 088	8 668	8 719	8 826	8 846	8 971	8 678	8 445	
Petroleum products	5 224	4 953	3 578	3 264	3 438	3 059	3 043	3 601	3 887	
Natural gas	8 086	8 123	7 667	7 327	7 061	6 444	6 872	7 118	7 776	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	6 991	9 008	8 591	9 723	10 027	10 002	9 815	10 039	9 943	
Non-renewable wastes	441	615	705	676	677	718	748	758	750	
<b>Primary production</b>	9 748	11 662	10 999	12 295	12 228	12 320	12 069	12 294	12 335	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	947	1 053	835	933	886	991	888	804	746	
Natural gas	1 331	1 397	1 377	1 480	1 190	1 081	1 032	965	1 043	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	7 029	8 596	8 081	9 206	9 475	9 530	9 402	9 768	9 813	
Non-renewable wastes	441	615	705	676	677	718	748	758	734	
<b>Net imports</b>	24 687	21 889	23 684	21 394	20 901	21 605	20 296	21 115	22 192	
Solid fossil fuels	4 031	3 376	3 124	3 338	3 133	3 065	2 767	2 850	3 074	
Crude oil	7 951	6 898	7 403	7 585	7 895	7 624	8 201	7 443	7 328	
Gas/Diesel Oil (w/o bio)	4 214	4 143	3 497	3 243	3 496	3 297	3 480	4 028	3 985	
Motor Gasoline (w/o bio)	328	240	189	85	-22	-99	-149	-73	-110	
Naphtha	31	0	-124	-206	-203	-183	-165	-172	-163	
LPG	125	114	68	65	42	47	-31	-16	-1	
All other oil & petroleum products	664	394	270	282	129	199	-63	62	335	
Natural gas	7 152	6 115	7 998	6 270	5 252	6 388	4 989	6 106	7 013	
<b>Transformation input</b>	22 517	22 570	22 858	23 347	23 023	22 327	23 069	22 435	23 104	
Electricity & heat generation	9 900	10 684	10 210	10 750	10 166	9 584	9 744	9 974	10 411	
Refinery intake	9 323	8 302	9 022	9 031	9 152	9 132	9 408	8 850	8 776	
Coke ovens	1 320	1 281	1 240	1 249	1 250	1 228	1 227	1 256	1 229	
Blast furnaces	1 846	1 854	1 809	1 743	1 863	1 826	1 974	1 926	2 093	
<b>Transformation output</b>	18 511	18 698	19 061	19 743	19 601	19 066	19 506	18 976	19 382	
Electricity & heat generation	7 158	8 094	7 551	8 256	7 972	7 535	7 594	7 970	8 257	
Refinery output	9 227	8 144	8 918	8 936	8 989	8 974	9 219	8 621	8 511	
Coke ovens	1 228	1 222	1 191	1 191	1 207	1 169	1 178	1 178	1 180	
Blast furnaces	770	791	825	787	844	832	803	779	838	
<b>Energy sector</b>	1 891	1 857	1 982	1 855	1 787	1 779	1 535	1 357	1 475	
<b>Distribution losses</b>	572	588	587	616	630	617	630	625	625	
<b>Available for final consumption</b>	27 098	27 364	26 302	26 411	27 464	26 573	27 064	27 553	27 864	
Solid fossil fuels	513	373	359	359	374	365	348	322	342	
Manufactured gases	74	100	97	90	95	83	81	100	107	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	8 273	7 406	7 032	6 943	7 301	7 055	7 237	7 455	7 731	
Motor Gasoline (w/o bio)	2 137	1 767	1 635	1 588	1 557	1 527	1 542	1 524	1 507	
Naphtha	553	800	706	914	916	895	882	896	726	
LPG	188	177	150	93	108	112	101	88	92	
All other oil & petroleum products	1 291	943	933	842	805	796	750	821	749	
Natural gas	4 927	5 115	4 848	4 854	5 011	4 697	4 870	4 964	5 115	
Primary solid biofuels & charcoal	2 483	2 758	2 630	2 665	3 069	2 965	2 925	2 955	3 027	
Liquid biofuels	83	532	535	527	531	624	683	570	497	
All other renewable energies	188	317	333	364	390	408	434	454	469	
Non-renewable wastes	229	220	263	234	252	268	280	289	296	
Electricity	4 944	5 145	5 141	5 212	5 261	5 176	5 252	5 334	5 399	
Heat	1 215	1 711	1 639	1 725	1 791	1 603	1 680	1 781	1 807	
<b>Statistical difference</b>	31	0	0	0	0	0	0	0	-1	
<b>Final non-energy consumption</b>	1 586	1 810	1 668	1 816	1 805	1 834	1 758	1 845	1 652	
<b>Final energy consumption</b>	25 481	25 554	24 634	24 595	25 660	24 740	25 306	25 708	26 213	
Industry	7 177	7 494	7 538	7 504	7 770	7 756	7 603	7 810	8 052	
Transport	8 415	8 162	7 873	7 795	8 198	8 171	8 429	8 511	8 657	
Other sectors	9 889	9 898	9 222	9 296	9 692	8 813	9 275	9 387	9 504	
Services	2 987	2 760	2 570	2 513	2 397	2 364	2 418	2 347	2 387	
Households	6 426	6 631	6 153	6 288	6 764	5 946	6 341	6 520	6 594	

Source: Eurostat (nrg\_bal\_c)

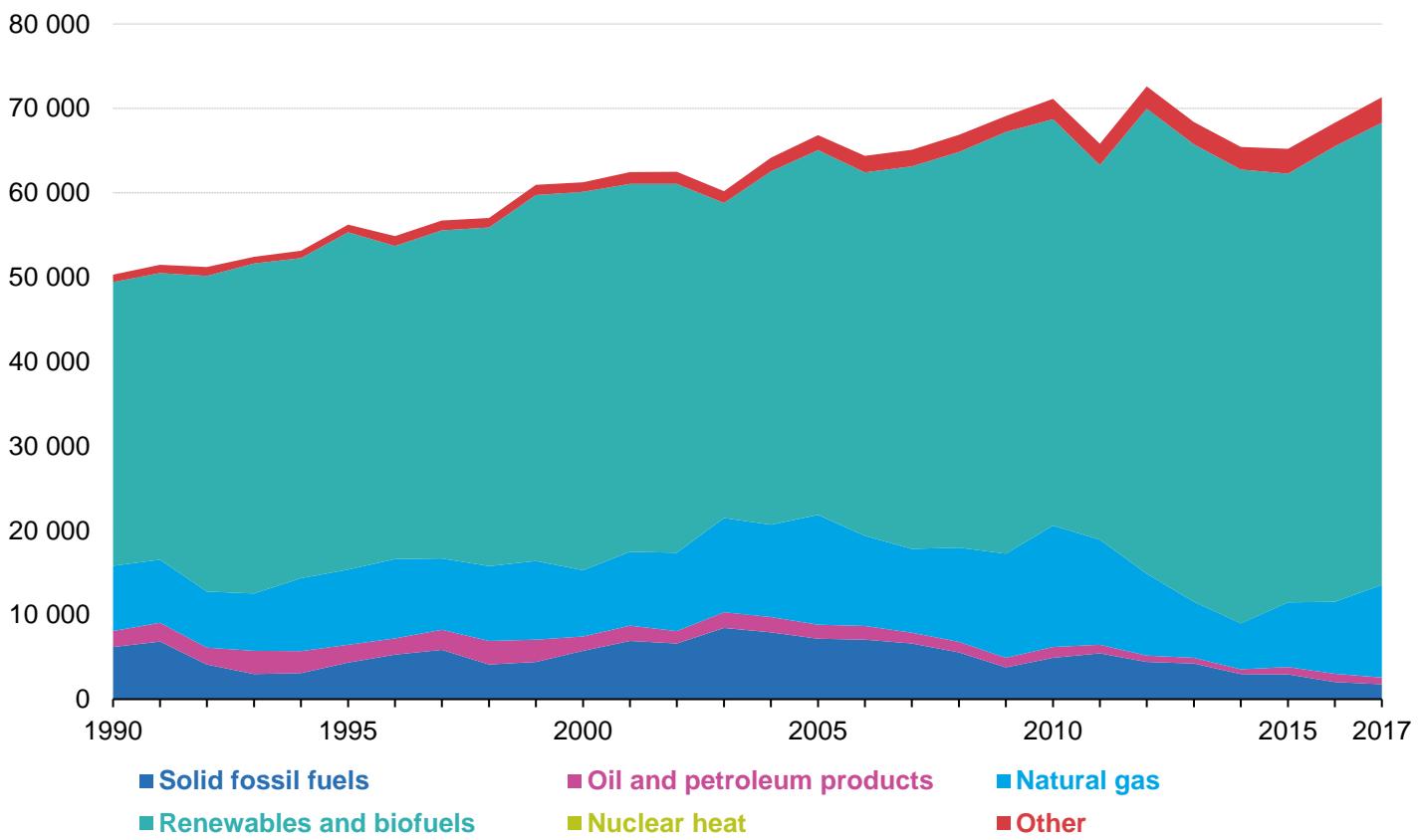
# Austria

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

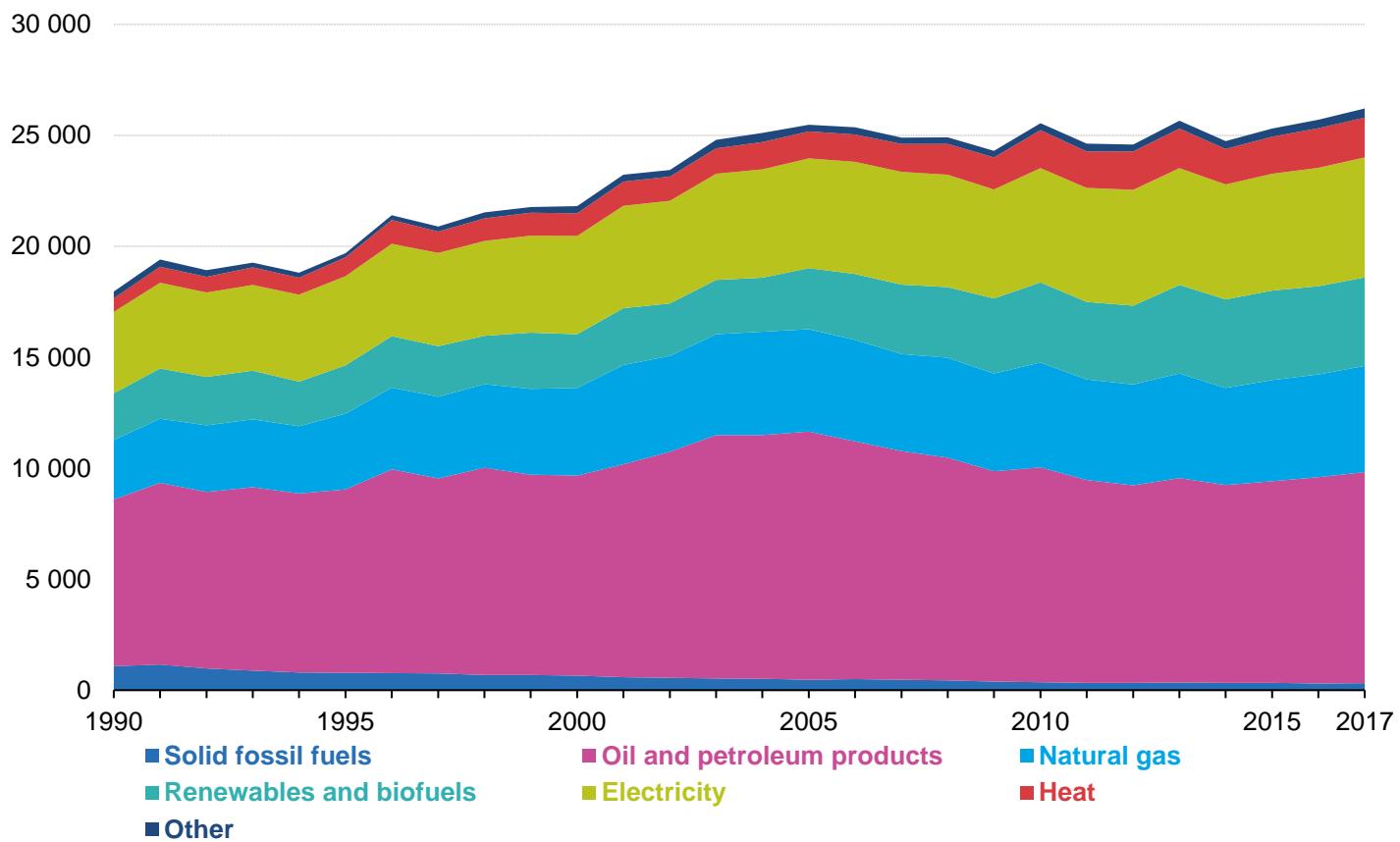


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

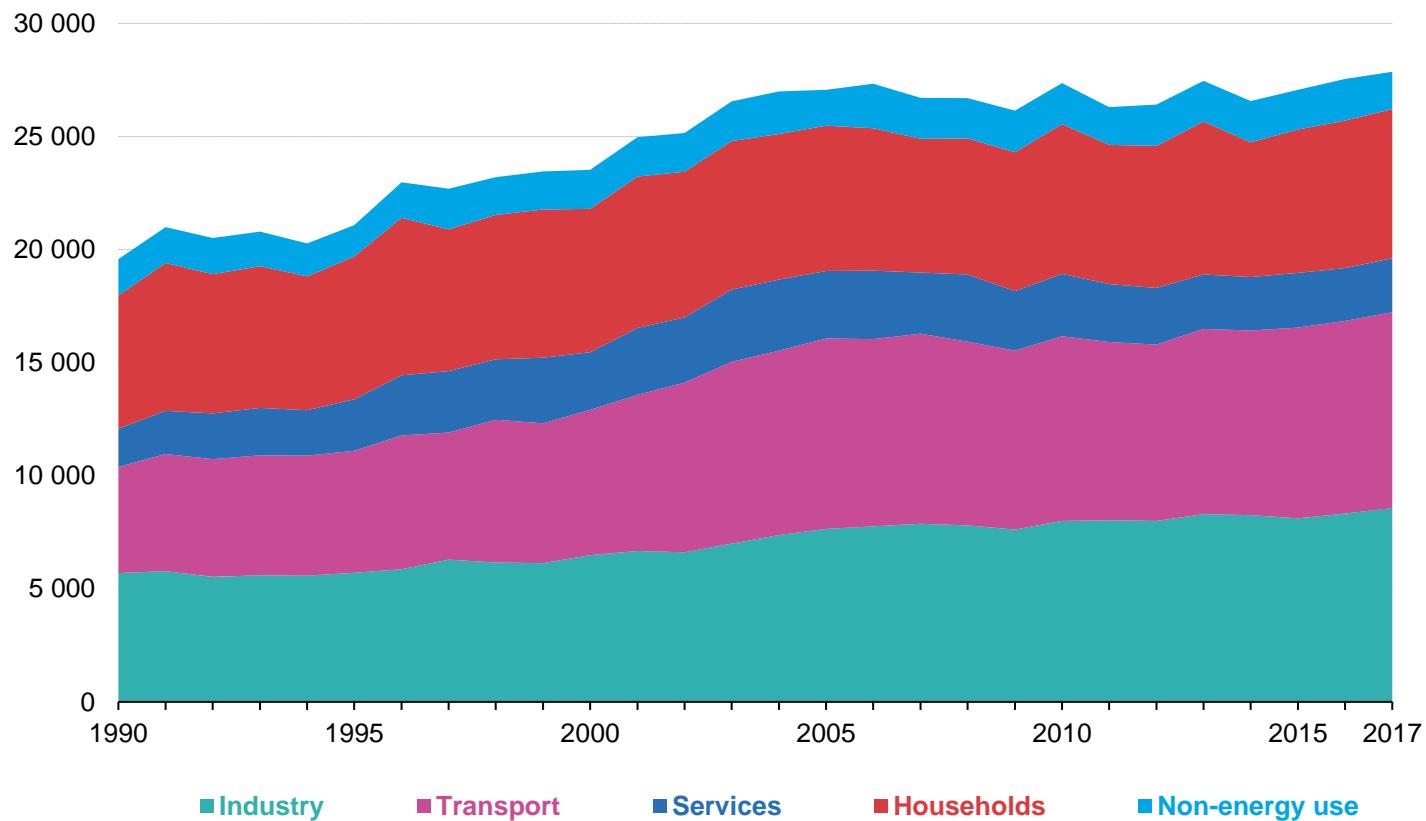
# Austria

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Poland ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity	
+ Primary production		64 027.8	49 527.3	Z	0.0	0.0	1 012.4	3 511.9	9 101.6	874.7	0.0	Z	Z	
+ Recovered & recycled products		345.9	310.4	Z	0.0	0.0	35.5	Z	0.0	Z	Z	Z	Z	
+ Imports		57 919.0	7 881.6	0.0	0.0	0.0	35 109.3	13 027.0	760.0	0.0	Z	0.0	1 141.1	
- Exports		17 556.3	9 352.9	0.0	0.0	0.0	5 305.0	1 015.3	938.6	0.0	Z	0.0	944.5	
+ Change in stock		610.3	1 305.6	0.0	0.0	0.0	-613.9	-78.8	-2.6	0.0	Z	Z	Z	
= Gross available energy		<b>105 346.7</b>	<b>49 672.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>30 238.2</b>	<b>15 444.8</b>	<b>8 920.4</b>	<b>874.7</b>	<b>0.0</b>	<b>0.0</b>	<b>196.6</b>	
- International maritime bunkers		267.1	0.0	0.0	0.0	0.0	267.1	0.0	0.0	Z	Z	Z	Z	
= Gross inland consumption		<b>105 079.6</b>	<b>49 672.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29 971.1</b>	<b>15 444.8</b>	<b>8 920.4</b>	<b>874.7</b>	<b>0.0</b>	<b>0.0</b>	<b>196.6</b>	
- International aviation		850.6	Z	Z	Z	Z	850.6	Z	0.0	Z	Z	Z	Z	
= Total energy supply		<b>104 229.0</b>	<b>49 672.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29 120.5</b>	<b>15 444.8</b>	<b>8 920.4</b>	<b>874.7</b>	<b>0.0</b>	<b>0.0</b>	<b>196.6</b>	
<b>Transformation input</b>		<b>82 269.6</b>	<b>45 281.1</b>	<b>924.1</b>	<b>0.0</b>	<b>0.0</b>	<b>29 591.9</b>	<b>2 588.9</b>	<b>3 655.6</b>	<b>147.1</b>	<b>0.0</b>	<b>17.6</b>	<b>63.2</b>	
+ Electricity & heat generation		41 225.3	34 563.5	924.1	0.0	0.0	420.8	1 993.6	3 095.5	147.1	0.0	17.6	63.2	
+ Coke ovens		8 885.7	8 885.7	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Blast furnaces		1 724.7	1 724.7	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Refineries & petrochemical industry		29 171.2	Z	Z	Z	Z	29 171.2	Z	Z	Z	Z	Z	Z	
+ Patent fuel plants		2.0	2.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	
+ Liquid biofuels blended		560.1	Z	Z	Z	Z	Z	Z	560.1	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		700.6	105.2	0.0	0.0	0.0	0.0	595.3	0.0	0.0	Z	Z	Z	
<b>Transformation output</b>		<b>60 412.7</b>	<b>6 634.9</b>	<b>2 386.5</b>	<b>0.0</b>	<b>Z</b>	<b>29 014.2</b>	<b>0.0</b>	<b>560.1</b>	<b>Z</b>	<b>Z</b>	<b>7 159.6</b>	<b>14 657.4</b>	
+ Electricity & heat generation		21 817.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	7 159.6	14 657.4	
+ Coke ovens		8 285.7	6 633.6	1 652.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Blast furnaces		734.4	0.0	734.4	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Refineries & petrochemical industry		28 421.7	Z	Z	Z	Z	28 421.7	Z	0.0	Z	Z	Z	Z	
+ Patent fuel plants		1.3	1.3	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	
+ Liquid biofuels blended		560.1	Z	Z	Z	Z	Z	Z	560.1	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		591.4	Z	Z	Z	Z	591.4	Z	Z	Z	Z	Z	Z	
+ Not elsewhere specified		1.1	0.0	0.0	0.0	Z	1.1	Z	Z	Z	Z	Z	Z	
<b>Energy sector</b>		<b>6 165.3</b>	<b>97.2</b>	<b>962.5</b>	<b>0.0</b>	<b>0.0</b>	<b>767.9</b>	<b>1 429.3</b>	<b>1.2</b>	<b>0.1</b>	<b>Z</b>	<b>651.4</b>	<b>2 255.6</b>	
+ Own use in electricity & heat genera		1 544.6	0.6	0.0	0.0	0.0	6.0	1.6	0.2	0.0	Z	195.2	1 341.0	
+ Coal mines		585.8	20.0	0.0	0.0	0.0	18.5	9.6	0.3	0.1	Z	83.5	453.9	
+ Oil & natural gas extraction plants		339.5	Z	Z	Z	Z	9.3	316.2	0.0	Z	Z	0.0	14.0	
+ Patent fuel plants		0.4	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.4	0.0	
+ Coke ovens		1 099.4	55.3	962.5	0.0	0.0	0.0	0.5	0.0	0.1	Z	17.2	63.8	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Gas works		7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	Z	0.3	6.3	
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Petroleum refineries (oil refineries)		1 946.2	21.3	0.0	0.0	0.0	0.0	734.1	1 047.1	0.0	0.0	Z	7.9	135.8
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0	
+ Liquefaction & regasification plants		19.5	Z	Z	Z	Z	Z	17.7	Z	Z	Z	0.0	1.9	
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Not elsewhere specified (energy)		622.5	0.0	0.0	0.0	0.0	0.0	36.6	0.0	0.0	Z	346.9	239.0	
<b>Distribution losses</b>		<b>1 545.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12.5</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>673.4</b>	<b>859.5</b>		
<b>Available for final consumption</b>		<b>74 661.5</b>	<b>10 928.6</b>	<b>499.9</b>	<b>0.0</b>	<b>0.0</b>	<b>27 774.9</b>	<b>11 414.1</b>	<b>5 823.8</b>	<b>727.4</b>	<b>0.0</b>	<b>5 817.1</b>	<b>11 675.7</b>	
<b>Final non-energy consumption</b>		<b>5 909.6</b>	<b>72.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 658.0</b>	<b>2 179.4</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		
<b>Final energy consumption</b>		<b>69 138.9</b>	<b>11 274.9</b>	<b>499.9</b>	<b>0.0</b>	<b>0.0</b>	<b>24 134.6</b>	<b>9 185.5</b>	<b>5 823.8</b>	<b>727.4</b>	<b>Z</b>	<b>5 817.1</b>	<b>11 675.7</b>	
+ Industry		15 841.2	3 083.7	499.9	0.0	0.0	748.9	3 684.6	1 695.4	717.0	Z	721.8	4 689.9	
+ Iron & steel		1 970.3	317.9	401.6	0.0	0.0	5.7	566.4	0.0	0.0	Z	93.3	585.4	
+ Chemical & petrochemical		2 764.9	1 208.2	14.9	0.0	0.0	312.9	311.0	2.8	35.7	Z	128.5	751.0	
+ Non-ferrous metals		491.7	30.1	34.0	0.0	0.0	16.1	180.4	0.0	0.0	Z	29.9	201.2	
+ Non-metallic minerals		2 994.7	574.6	46.3	0.0	0.0	79.3	1 064.6	62.5	671.8	Z	24.1	471.5	
+ Transport equipment		430.7	8.5	0.0	0.0	0.0	15.6	108.2	0.1	0.0	Z	46.6	251.8	
+ Machinery		775.0	31.5	0.1	0.0	0.0	31.6	233.2	2.1	0.1	Z	63.3	413.1	
+ Mining & quarrying		431.3	9.9	3.0	0.0	0.0	74.3	38.2	0.1	1.6	Z	66.6	237.6	
+ Food, beverages & tobacco		2 050.3	566.1	0.0	0.0	0.0	81.3	715.2	35.7	0.0	Z	70.9	581.2	
+ Paper, pulp & printing		1 755.2	208.9	0.0	0.0	0.0	42.2	208.0	809.2	7.0	Z	78.7	401.2	
+ Wood & wood products		1 047.0	42.0	0.0	0.0	0.0	13.8	44.8	669.2	0.0	Z	70.8	206.4	
+ Construction		196.5	29.0	0.0	0.0	0.0	46.9	34.5	0.2	0.0	Z	8.4	77.6	
+ Textile & leather		121.0	8.9	0.0	0.0	0.0	6.1	41.2	0.2	0.0	Z	12.5	52.1	
+ Not elsewhere specified (industry)		812.5	48.2	0.0	0.0	0.0	23.4	138.8	113.3	0.8	Z	28.1	459.9	
+ Transport		21 431.4	0.0	0.0	0.0	0.0	20 158.0	382.5	604.9	0.0	Z	Z	286.0	
+ Rail		349.9	0.0	0.0	0.0	0.0	86.3	Z	0.0	0.0	Z	Z	263.5	
+ Road		20 656.8	Z	Z	Z	Z	20 038.5	11.1	604.9	0.0	Z	Z	2.3	
+ Domestic aviation		27.5	Z	Z	Z	Z	27.5	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation		4.7	0.0	0.0	0.0	0.0	4.7	Z	0.0	0.0	Z	Z	Z	
+ Pipeline transport		392.5	Z	Z	Z	Z	1.0	371.4	0.0	Z	Z	Z	20.2	
+ Not elsewhere specified (transport)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	
+ Other		31 866.3	8 191.2	0.0	0.0	0.0	3 227.6	5 118.4	3 523.5	10.4	Z	5 095.3	6 699.8	
+ Commercial & public services		8 048.9	667.9	0.0	0.0	0.0	438.9	1 452.3	279.7	10.4	Z	1 156.7	4 042.9	
+ Households		19 936.1	6 554.0	0.0	0.0	0.0	599.3	3 629.8	2 726.8	0.0	Z	3 917.1	2 509.1	
+ Agriculture & forestry		3 880.4	969.3	0.0	0.0	0.0	2 188.8	36.3	517.0	0.0	Z	21.5	147.5	
+ Fishing		0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.3	
+ Not elsewhere specified (other)		0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	Z	0.0	0.0	
<b>Statistical differences</b>		<b>-387.0</b>	<b>-418.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-17.7</b>	<b>49.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
Gross electricity production		14 652.1	11 277.6	196.1	0.0	0.0	173.7	862.8	2 114.9	26.9	0.0	Z	Z	
Gross heat production		7 142.0	5 754.8	332.3	0.0	0.0	98.2	588.9	311.6	56.1	0.0	Z	0.0	

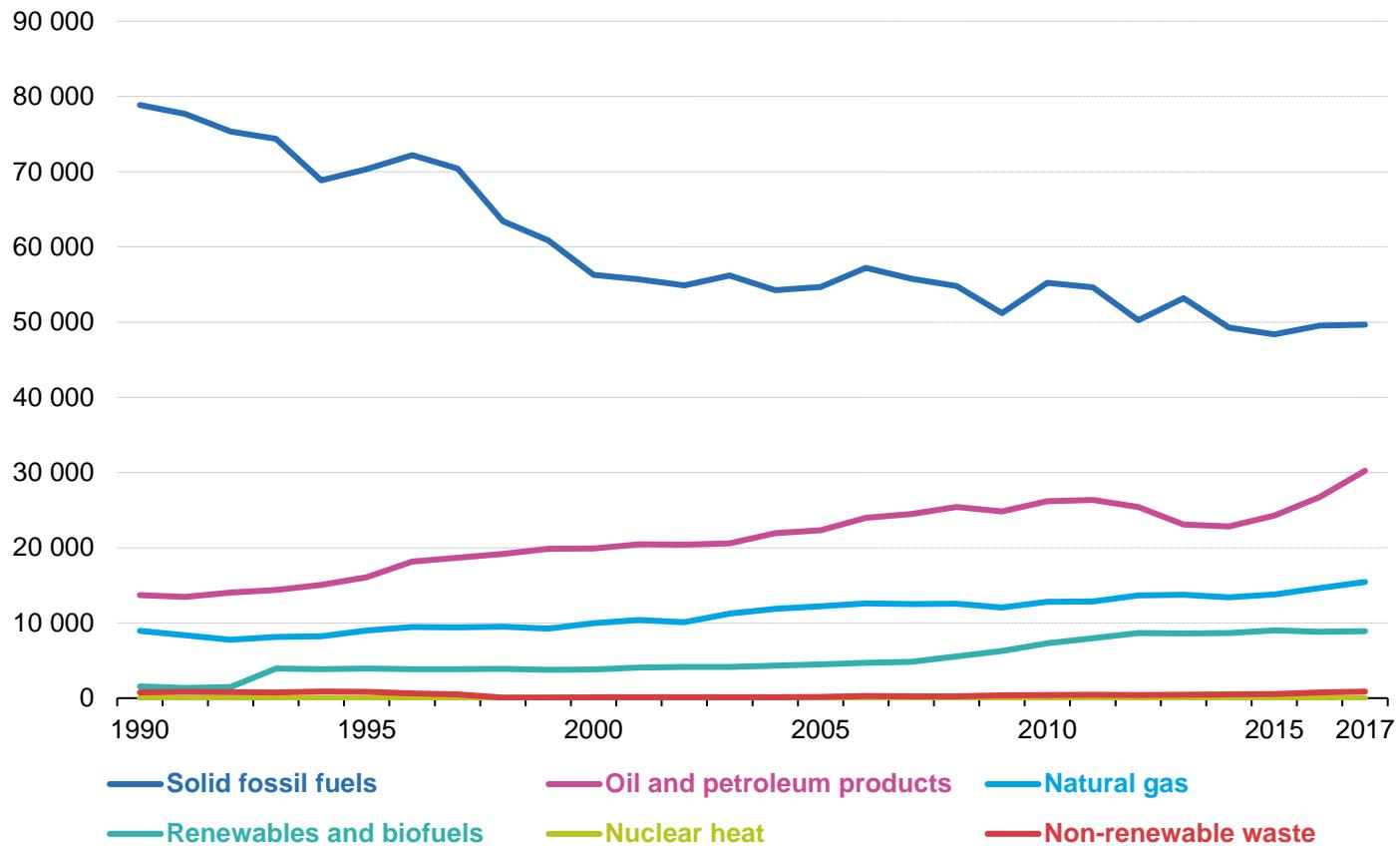
Source: Eurostat (nrg\_bal\_c)

Poland	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	92 883	101 774	101 770	98 175	98 680	94 853	95 932	100 641	105 347	
Solid fossil fuels	54 657	55 222	54 639	50 262	53 191	49 273	48 375	49 537	49 672	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	18 878	23 897	25 165	25 965	24 827	24 650	26 643	26 366	26 206	
Petroleum products	3 433	2 275	1 174	-552	-1 742	-1 828	-2 376	386	4 032	
Natural gas	12 235	12 805	12 836	13 680	13 736	13 404	13 776	14 633	15 445	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	4 487	7 294	7 966	8 644	8 606	8 653	9 019	8 806	8 920	
Non-renewable wastes	156	398	441	419	451	515	523	742	875	
<b>Primary production</b>	77 919	66 787	67 741	71 044	70 651	66 963	67 625	66 476	64 028	
Solid fossil fuels	68 420	55 077	55 298	57 507	56 835	53 639	53 590	52 092	49 527	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	909	747	681	709	983	965	943	1 027	1 012	
Natural gas	3 884	3 693	3 850	3 907	3 823	3 726	3 683	3 553	3 512	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	4 549	6 872	7 471	8 502	8 559	8 117	8 886	9 063	9 102	
Non-renewable wastes	156	398	441	419	451	515	523	742	875	
<b>Net imports</b>	16 474	32 145	34 644	31 268	26 027	27 940	28 677	30 996	40 363	
Solid fossil fuels	-12 990	-2 741	-546	-3 235	-5 411	-4 220	-5 532	-5 798	-1 471	
Crude oil	17 956	22 816	23 855	25 081	23 418	23 645	26 637	24 717	24 795	
Gas/Diesel Oil (w/o bio)	2 211	2 164	1 897	1 122	336	483	256	2 707	5 125	
Motor Gasoline (w/o bio)	-95	-52	13	-259	-492	-316	-410	-168	241	
Naphtha	-131	-185	-246	-467	-375	-366	-549	-563	-505	
LPG	2 389	2 112	2 124	2 012	1 925	1 985	1 999	2 128	2 241	
All other oil & petroleum products	-371	-1 153	-2 138	-2 931	-3 210	-3 643	-3 784	-3 418	-2 092	
Natural gas	8 531	8 874	9 640	10 041	10 192	9 647	9 947	11 469	12 012	
<b>Transformation input</b>	72 558	79 710	81 808	82 879	81 642	79 700	83 135	82 261	82 270	
Electricity & heat generation	42 686	42 505	42 832	42 369	42 289	40 240	40 939	40 896	41 225	
Refinery intake	19 413	24 710	26 122	27 465	26 226	26 019	28 257	27 896	27 651	
Coke ovens	7 989	9 185	8 764	8 410	8 903	9 018	9 198	9 091	8 886	
Blast furnaces	1 400	1 236	1 307	1 388	1 392	1 639	1 716	1 667	1 725	
<b>Transformation output</b>	49 653	56 999	58 017	59 132	58 383	57 216	60 837	60 398	60 413	
Electricity & heat generation	21 526	21 577	21 203	21 323	21 373	20 290	20 904	21 322	21 817	
Refinery output	18 998	24 140	25 199	26 116	25 373	25 146	27 623	27 198	26 863	
Coke ovens	7 500	8 678	8 258	7 869	8 238	8 359	8 593	8 527	8 286	
Blast furnaces	721	675	688	689	691	770	795	728	734	
<b>Energy sector</b>	5 535	6 045	6 154	6 166	5 883	5 683	6 168	6 050	6 165	
<b>Distribution losses</b>	2 095	1 932	1 618	1 737	1 503	1 424	1 537	1 507	1 545	
<b>Available for final consumption</b>	61 697	70 362	69 538	65 842	67 369	64 531	65 087	70 355	74 661	
Solid fossil fuels	11 437	13 775	13 214	10 169	12 526	10 721	9 704	11 018	10 929	
Manufactured gases	819	537	527	521	542	596	487	462	500	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	9 516	12 700	13 094	12 581	11 611	11 411	12 172	14 113	16 719	
Motor Gasoline (w/o bio)	4 185	4 252	4 040	3 935	3 722	3 552	3 658	3 865	4 226	
Naphtha	733	992	694	681	872	919	1 094	978	1 123	
LPG	2 672	2 606	2 530	2 528	2 475	2 527	2 552	2 702	2 794	
All other oil & petroleum products	2 757	2 714	2 926	2 424	2 192	2 295	2 520	2 632	2 913	
Natural gas	9 926	10 384	10 298	10 680	10 750	10 441	10 473	11 281	11 414	
Primary solid biofuels & charcoal	3 755	4 303	4 470	4 462	4 739	4 438	4 599	4 851	4 943	
Liquid biofuels	46	867	916	807	748	705	653	458	606	
All other renewable energies	52	100	144	165	179	207	233	268	275	
Non-renewable wastes	136	378	420	401	434	495	486	637	727	
Electricity	9 029	10 206	10 446	10 505	10 624	10 778	10 991	11 422	11 676	
Heat	6 634	6 547	5 820	5 984	5 954	5 447	5 462	5 669	5 817	
<b>Statistical difference</b>	-388	155	932	-2 279	341	-775	-1 326	-249	-387	
<b>Final non-energy consumption</b>	4 604	4 969	5 022	4 896	4 970	5 167	5 635	5 571	5 910	
<b>Final energy consumption</b>	57 480	65 238	63 584	63 224	62 058	60 139	60 777	65 032	69 139	
Industry	14 618	13 499	13 961	13 733	14 211	14 153	14 096	14 652	15 841	
Transport	12 221	17 187	17 408	16 680	15 744	15 805	16 561	18 557	21 431	
Other sectors	30 641	34 551	32 214	32 811	32 103	30 180	30 121	31 823	31 866	
Services	6 730	8 837	8 430	8 364	8 079	7 788	7 842	8 503	8 049	
Households	19 469	21 983	20 104	20 779	20 444	18 970	18 948	19 782	19 936	

Source: Eurostat (nrg\_bal\_c)

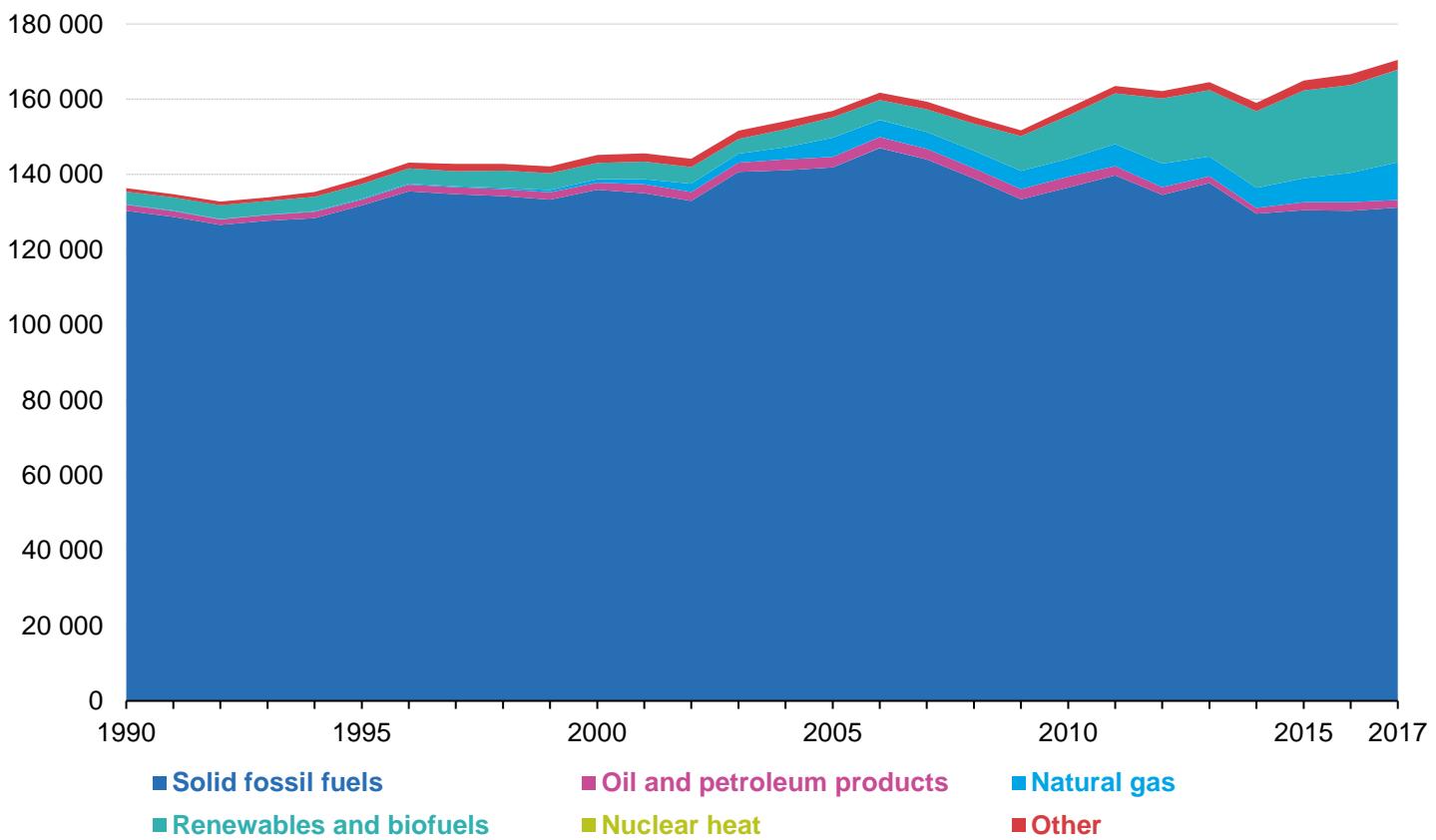
# Poland

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

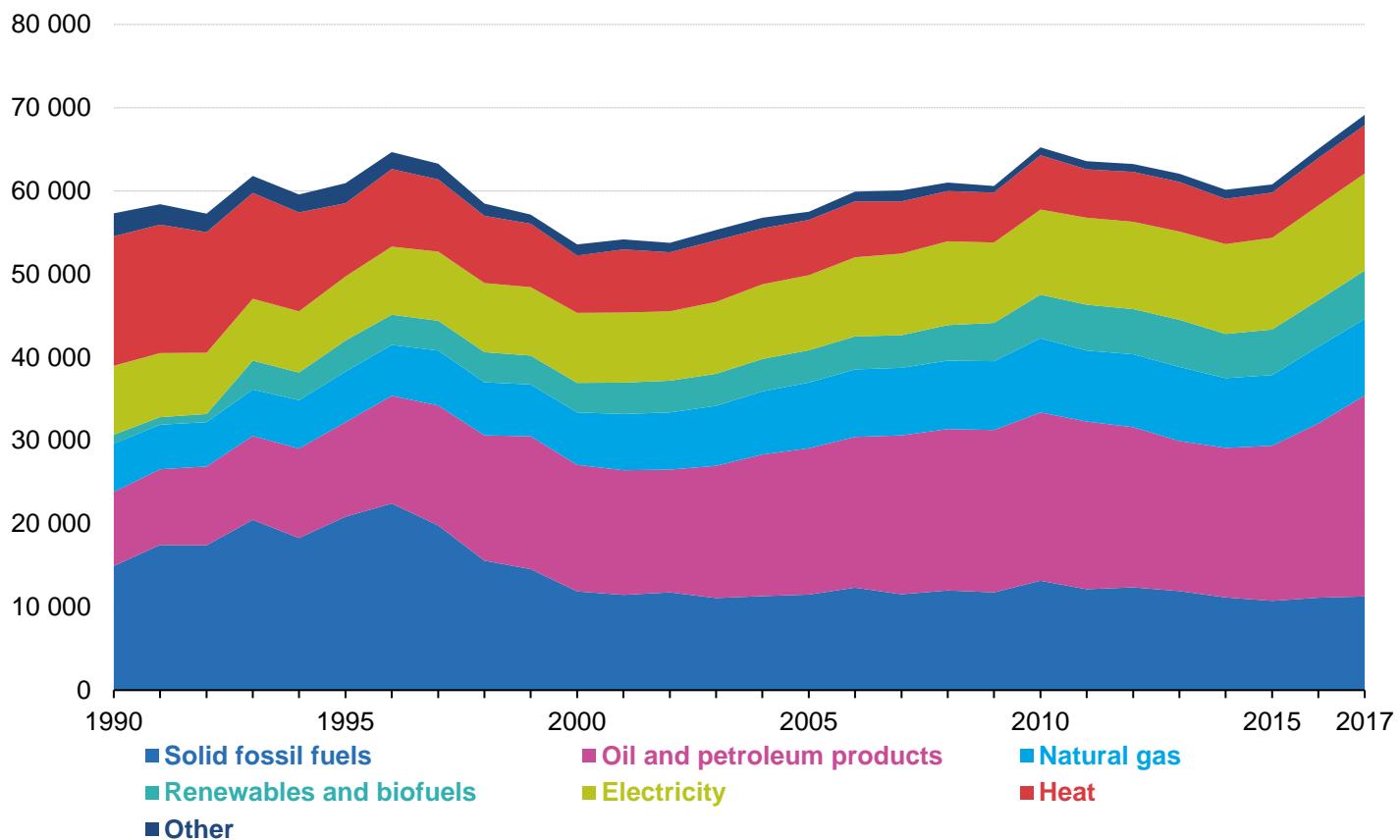


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

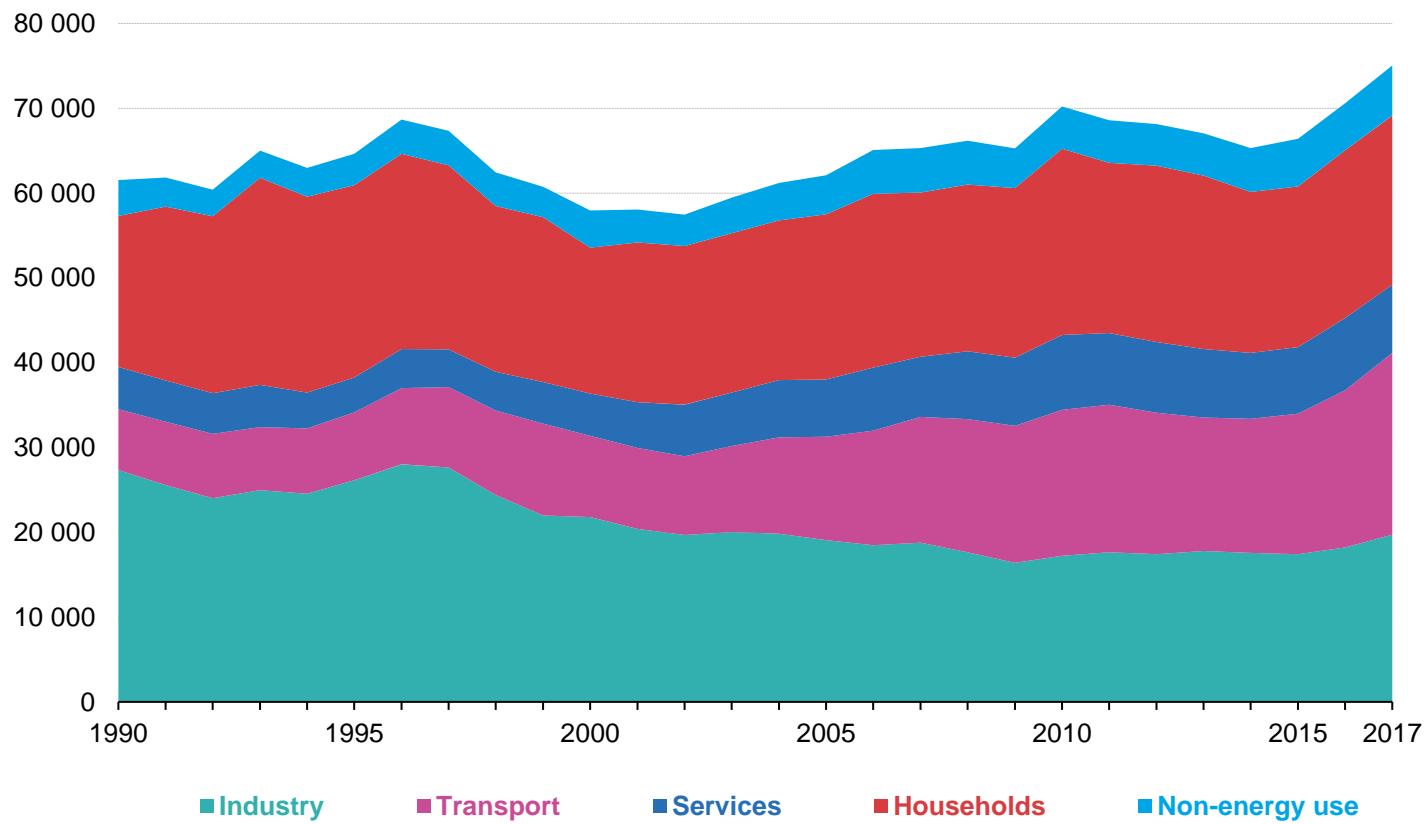
# Poland

## Final energy consumption by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Final consumption by sector, ktoe



Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

Portugal ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		5 225.1	0.0	Z	0.0	0.0	0.0	0.0	5 071.8	153.2	0.0	Z	Z
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports		27 814.9	3 408.0	0.0	0.0	0.0	18 394.6	5 438.0	55.9	45.0	Z	0.0	473.4
- Exports		8 034.7	0.0	0.0	0.0	0.0	7 046.8	0.0	283.7	0.0	Z	0.0	704.2
+ Change in stock		-238.5	-180.8	0.0	0.0	0.0	-22.9	-22.6	-12.1	0.0	Z	Z	Z
= Gross available energy		<b>24 766.8</b>	<b>3 227.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11 324.9</b>	<b>5 415.4</b>	<b>4 831.9</b>	<b>198.3</b>	<b>0.0</b>	<b>0.0</b>	<b>-230.8</b>
- International maritime bunkers		777.2	0.0	0.0	0.0	0.0	777.2	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>23 989.6</b>	<b>3 227.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10 547.7</b>	<b>5 415.4</b>	<b>4 831.9</b>	<b>198.3</b>	<b>0.0</b>	<b>0.0</b>	<b>-230.8</b>
- International aviation		1 280.5	Z	Z	Z	Z	1 280.5	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>22 709.1</b>	<b>3 227.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9 267.2</b>	<b>5 415.4</b>	<b>4 831.9</b>	<b>198.3</b>	<b>0.0</b>	<b>0.0</b>	<b>-230.8</b>
<b>Transformation input</b>		<b>26 870.7</b>	<b>3 236.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>16 806.8</b>	<b>3 592.0</b>	<b>2 941.5</b>	<b>102.6</b>	<b>0.0</b>	<b>0.0</b>	<b>191.2</b>
+ Electricity & heat generation		9 798.7	3 236.5	0.0	0.0	0.0	250.8	3 344.5	2 673.1	102.6	0.0	0.0	191.2
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		16 556.0	Z	Z	Z	Z	16 556.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		253.0	Z	Z	Z	Z	Z	Z	253.0	Z	Z	Z	Z
+ Charcoal production plants		15.4	Z	Z	Z	Z	Z	Z	15.4	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		247.6	0.0	0.0	0.0	0.0	0.0	247.6	0.0	0.0	Z	Z	Z
<b>Transformation output</b>		<b>22 419.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>16 593.6</b>	<b>0.0</b>	<b>259.3</b>	<b>Z</b>	<b>Z</b>	<b>456.2</b>	<b>5 110.2</b>
+ Electricity & heat generation		5 566.4	Z	Z	Z	Z	Z	Z	Z	Z	Z	456.2	5 110.2
+ Coke ovens		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		16 360.2	Z	Z	Z	Z	16 360.2	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended		253.1	Z	Z	Z	Z	Z	Z	253.1	Z	Z	Z	Z
+ Charcoal production plants		6.2	Z	Z	Z	Z	Z	Z	6.2	Z	Z	Z	Z
+ Gas-to-liquids plants		203.0	Z	Z	Z	Z	Z	203.0	Z	Z	Z	Z	Z
+ Not elsewhere specified		30.4	0.0	0.0	0.0	Z	30.4	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>1 416.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>821.6</b>	<b>105.4</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>250.7</b>	<b>239.2</b>
+ Own use in electricity & heat genera		151.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	151.6
+ Coal mines		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.1
+ Oil & natural gas extraction plants		0.1	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.1
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		1 251.2	0.0	0.0	0.0	0.0	821.6	105.4	0.0	0.0	Z	250.7	73.5
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	14.0
<b>Distribution losses</b>		<b>444.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>438.6</b>	
<b>Available for final consumption</b>		<b>16 395.9</b>	<b>-9.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8 232.3</b>	<b>1 711.7</b>	<b>2 149.7</b>	<b>95.6</b>	<b>0.0</b>	<b>205.5</b>	<b>4 010.4</b>
<b>Final non-energy consumption</b>		<b>1 203.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 203.9</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>		<b>15 275.2</b>	<b>11.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 061.3</b>	<b>1 740.8</b>	<b>2 150.5</b>	<b>95.6</b>	<b>Z</b>	<b>205.5</b>	<b>4 010.4</b>
+ Industry		4 525.7	11.0	0.0	0.0	0.0	621.3	1 214.1	1 016.3	95.6	Z	179.3	1 388.0
+ Iron & steel		182.3	5.4	0.0	0.0	0.0	2.2	40.9	0.1	0.0	Z	0.0	133.7
+ Chemical & petrochemical		398.8	0.0	0.0	0.0	0.0	7.0	168.4	1.2	0.1	Z	17.9	204.2
+ Non-ferrous metals		29.4	0.0	0.0	0.0	0.0	2.2	17.3	0.0	0.0	Z	0.0	9.9
+ Non-metallic minerals		1 123.3	5.3	0.0	0.0	0.0	319.7	446.0	83.5	95.2	Z	8.6	165.1
+ Transport equipment		69.7	0.0	0.0	0.0	0.0	5.7	18.6	0.2	0.0	Z	0.0	45.1
+ Machinery		145.3	0.1	0.0	0.0	0.0	17.8	32.9	0.2	0.0	Z	1.1	93.3
+ Mining & quarrying		73.1	0.0	0.0	0.0	0.0	32.3	1.8	1.7	0.0	Z	0.6	36.7
+ Food, beverages & tobacco		454.4	0.0	0.0	0.0	0.0	70.4	157.4	29.8	0.0	Z	26.9	169.9
+ Paper, pulp & printing		1 408.7	0.0	0.0	0.0	0.0	50.2	158.0	854.5	0.0	Z	80.1	265.9
+ Wood & wood products		110.5	0.0	0.0	0.0	0.0	5.9	10.1	34.1	0.0	Z	0.0	60.4
+ Construction		163.9	0.0	0.0	0.0	0.0	94.5	15.4	3.7	0.0	Z	0.0	50.3
+ Textile & leather		296.9	0.0	0.0	0.0	0.0	10.5	137.1	6.5	0.0	Z	33.6	109.1
+ Not elsewhere specified (industry)		69.4	0.1	0.0	0.0	0.0	2.9	10.2	0.8	0.4	Z	10.6	44.4
+ Transport		5 793.8	0.0	0.0	0.0	0.0	5 495.2	14.7	242.2	0.0	Z	Z	41.7
+ Rail		51.2	0.0	0.0	0.0	0.0	10.1	Z	0.0	0.0	Z	Z	41.1
+ Road		5 482.0	Z	Z	Z	Z	5 226.2	14.7	240.9	0.0	Z	Z	0.2
+ Domestic aviation		168.5	Z	Z	Z	Z	168.5	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		83.9	0.0	0.0	0.0	0.0	82.7	Z	1.3	0.0	Z	Z	Z
+ Pipeline transport		8.3	Z	Z	Z	Z	7.8	0.0	0.0	Z	Z	Z	0.5
+ Not elsewhere specified (transport)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other		4 955.7	0.0	0.0	0.0	0.0	944.8	512.0	892.0	0.0	Z	26.2	2 580.7
+ Commercial & public services		1 898.8	0.0	0.0	0.0	0.0	140.0	255.5	70.5	0.0	Z	25.4	1 407.5
+ Households		2 572.5	0.0	0.0	0.0	0.0	421.0	250.7	817.4	0.0	Z	0.9	1 082.5
+ Agriculture & forestry		372.2	0.0	0.0	0.0	0.0	279.1	5.8	2.7	0.0	Z	0.0	84.6
+ Fishing		88.6	0.0	0.0	0.0	0.0	81.5	0.0	1.1	0.0	Z	0.0	6.0
+ Not elsewhere specified (other)		23.6	0.0	0.0	0.0	0.0	23.2	0.0	0.4	0.0	Z	0.0	0.0
<b>Statistical differences</b>		<b>-83.3</b>	<b>-20.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-32.9</b>	<b>-29.1</b>	<b>-0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-0.0</b>
Gross electricity production		5 110.2	1 261.0	0.0	0.0	0.0	110.1	1 624.6	2 090.1	24.4	0.0	Z	Z
Gross heat production		456.2	0.0	0.0	0.0	0.0	0.8	455.4	0.0	0.0	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

eurostat ■ Energy balance sheets — 2017 data

Portugal	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	28 015	24 828	24 317	22 964	23 035	22 722	23 621	23 687	24 767	
Solid fossil fuels	3 349	1 658	2 208	2 934	2 650	2 680	3 258	2 846	3 227	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	13 706	12 147	11 043	11 900	14 084	12 654	15 165	14 981	15 497	
Petroleum products	3 008	692	1 040	-989	-3 164	-1 847	-4 169	-3 860	-4 172	
Natural gas	3 751	4 489	4 464	3 933	3 756	3 473	4 051	4 323	5 415	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	3 475	5 459	5 141	4 355	5 301	5 513	4 966	5 625	4 832	
Non-renewable wastes	140	159	180	152	170	170	155	208	198	
<b>Primary production</b>	3 615	5 800	5 530	4 707	5 751	5 981	5 304	6 002	5 225	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	3 475	5 642	5 380	4 563	5 607	5 835	5 182	5 827	5 072	
Non-renewable wastes	140	159	149	144	144	146	122	174	153	
<b>Net imports</b>	24 811	18 675	18 914	18 249	16 896	16 377	18 482	17 540	19 780	
Solid fossil fuels	3 225	1 629	2 148	3 032	2 529	2 597	3 209	2 912	3 408	
Crude oil	13 425	11 479	10 634	11 368	12 551	10 838	14 360	14 115	14 588	
Gas/Diesel Oil (w/o bio)	689	1 170	1 250	547	-1 151	-617	-1 567	-1 152	-1 222	
Motor Gasoline (w/o bio)	-710	-901	-639	-778	-1 255	-867	-1 738	-1 660	-1 851	
Naphtha	184	80	259	-335	-182	-272	-367	-488	-561	
LPG	531	403	439	389	589	862	735	680	618	
All other oil & petroleum products	2 987	293	240	-369	56	580	-238	-517	-225	
Natural gas	3 893	4 505	4 533	3 922	3 813	3 475	4 065	4 261	5 438	
<b>Transformation input</b>	22 984	20 724	19 745	20 305	23 180	22 241	25 252	25 592	26 871	
Electricity & heat generation	8 651	8 065	8 232	7 831	7 950	8 038	8 607	9 167	9 799	
Refinery intake	13 915	12 241	11 117	12 028	14 494	13 170	15 623	15 427	16 015	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	18 730	17 709	16 369	16 808	20 007	18 978	21 382	21 805	22 419	
Electricity & heat generation	4 332	5 155	5 004	4 521	5 054	5 052	4 976	5 637	5 566	
Refinery output	13 966	12 136	10 971	11 872	14 266	12 933	15 443	15 250	15 832	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	1 101	1 149	1 000	1 067	1 507	1 225	1 370	1 424	1 417	
<b>Distribution losses</b>	387	396	356	423	474	452	429	426	445	
<b>Available for final consumption</b>	20 941	18 932	18 113	16 449	16 304	16 210	16 264	16 137	16 396	
Solid fossil fuels	30	60	8	25	25	14	12	14	-9	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	5 652	5 194	4 838	4 415	4 329	4 406	4 514	4 670	4 746	
Motor Gasoline (w/o bio)	1 925	1 462	1 313	1 209	1 132	1 133	1 092	1 073	1 088	
Naphtha	1 467	1 232	1 246	959	803	758	694	564	667	
LPG	977	783	769	625	894	1 066	927	862	785	
All other oil & petroleum products	2 672	1 428	1 255	1 035	961	919	1 023	884	946	
Natural gas	1 345	1 565	1 582	1 640	1 628	1 539	1 580	1 607	1 712	
Primary solid biofuels & charcoal	2 505	2 151	2 162	1 756	1 837	1 741	1 719	1 773	1 772	
Liquid biofuels	0	326	310	286	275	274	343	279	253	
All other renewable energies	23	49	61	114	105	117	120	119	125	
Non-renewable wastes	34	55	76	63	70	86	56	90	96	
Electricity	3 983	4 290	4 159	3 976	3 891	3 886	3 939	3 989	4 010	
Heat	328	338	334	345	352	270	244	211	206	
<b>Statistical difference</b>	97	-17	-38	23	25	-31	-35	-61	-83	
<b>Final non-energy consumption</b>	2 587	1 728	1 755	1 318	1 358	1 437	1 335	1 161	1 204	
<b>Final energy consumption</b>	18 257	17 221	16 396	15 108	14 921	14 804	14 964	15 037	15 275	
Industry	5 797	5 454	5 349	4 606	4 599	4 406	4 412	4 382	4 526	
Transport	6 434	6 425	5 964	5 528	5 446	5 475	5 567	5 690	5 794	
Other sectors	6 026	5 342	5 083	4 974	4 875	4 923	4 985	4 965	4 956	
Services	2 200	1 883	1 855	1 843	1 787	1 901	1 969	1 900	1 899	
Households	3 219	2 969	2 776	2 695	2 635	2 566	2 539	2 605	2 572	

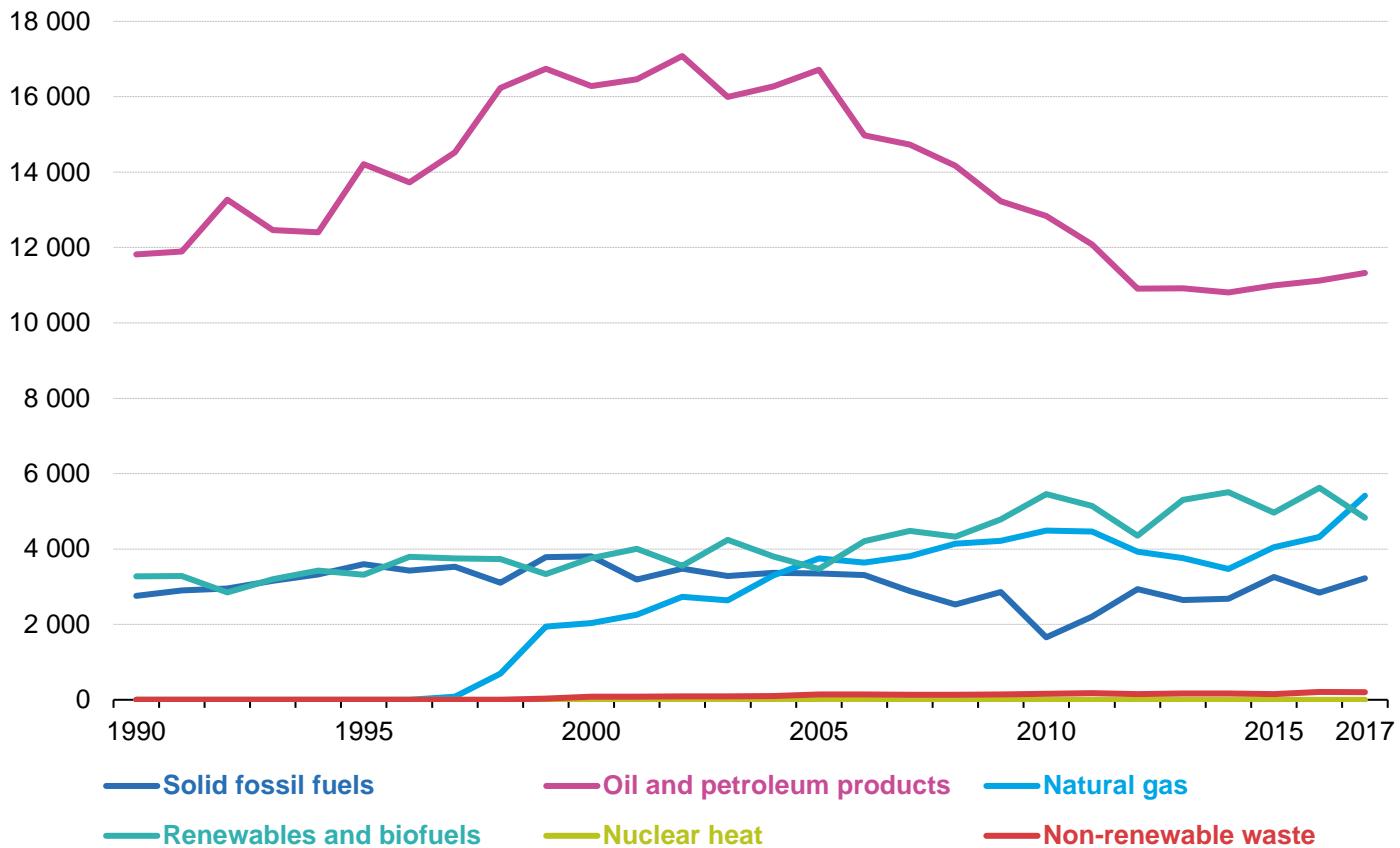
#### Europe 2020-2030 indicators

	2005	2010	2011	2012	2013	2014	2015	2016	2017
Gross inland consumption	27 438	24 370	23 759	22 360	22 392	22 116	22 980	22 924	23 990
Primary energy consumption	24 851	22 643	22 004	21 042	21 034	20 680	21 645	21 763	22 786
Final energy consumption	19 011	18 099	17 311	16 031	15 854	15 770	16 010	16 187	16 556

Source: Eurostat (nrg\_bal\_c)

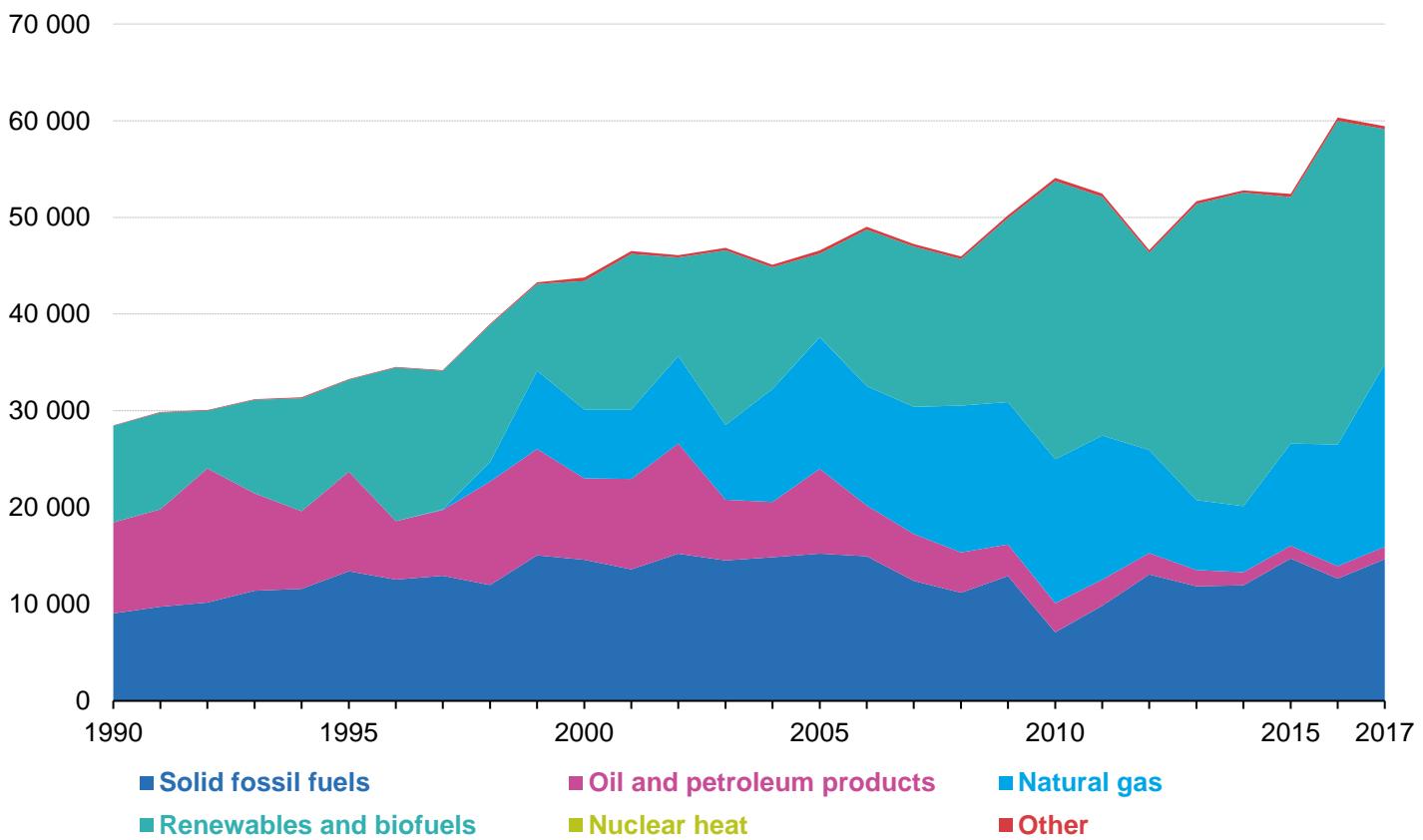
# Portugal

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

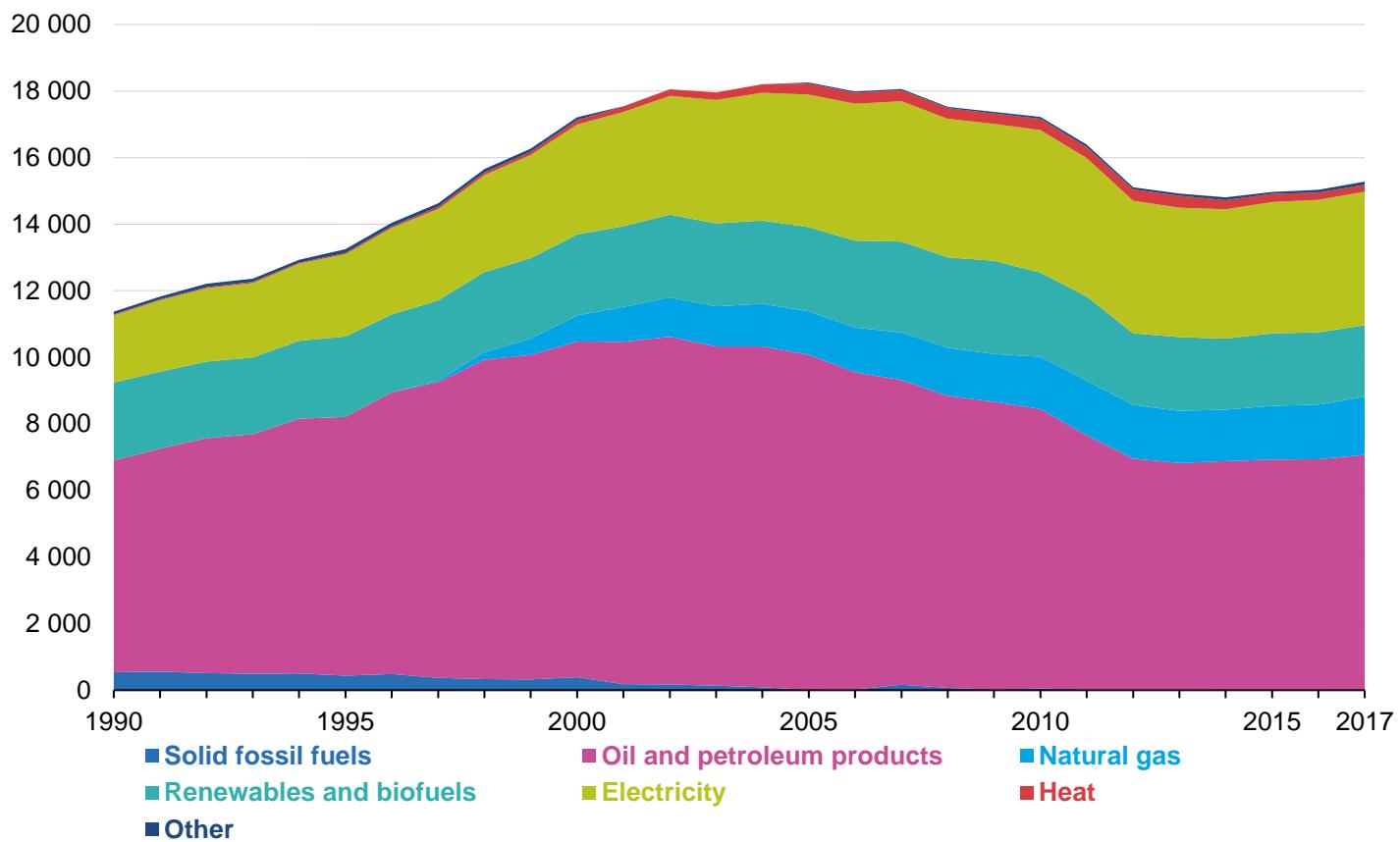


Source: Eurostat (nrg\_bal\_c)

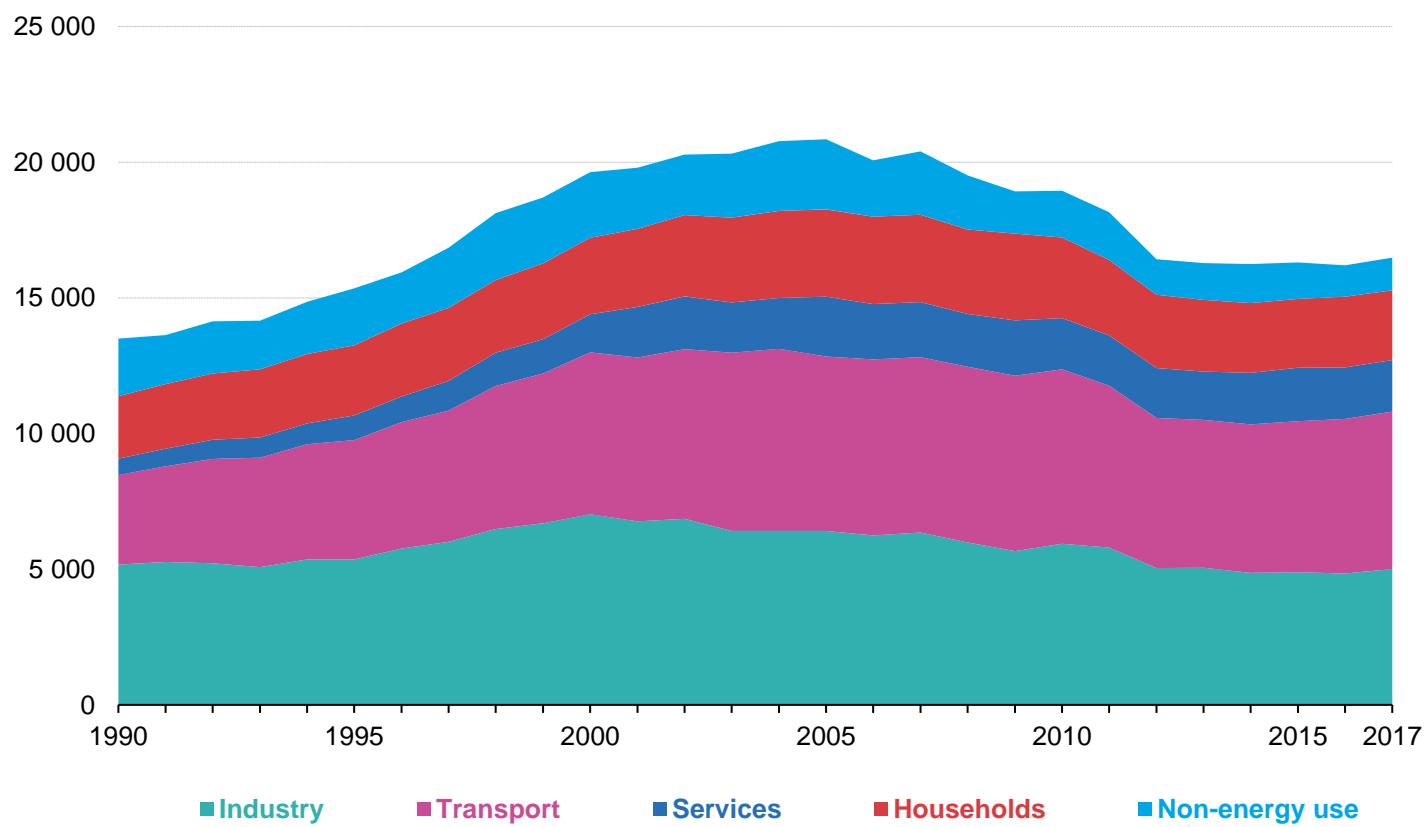
Note: Please refer to page 23 for related methodological definitions.

# Portugal

## Final energy consumption by fuel, ktoe



## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Romania ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	25 475.1	4 466.8	Z	1.5	0.0	3 638.5	8 522.2	5 844.5	94.8	2 907.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	13 692.0	990.0	0.0	10.5	0.0	11 047.8	952.7	274.7	0.0	Z	0.0	416.3
- Exports	5 953.6	0.5	0.0	0.1	0.0	5 197.3	20.7	69.9	0.0	Z	0.0	665.1
+ Change in stock	259.5	-67.7	0.0	0.0	0.0	172.0	165.9	-8.9	-1.8	Z	Z	Z
= Gross available energy	<b>33 473.0</b>	<b>5 388.7</b>	<b>0.0</b>	<b>11.9</b>	<b>0.0</b>	<b>9 660.9</b>	<b>9 620.0</b>	<b>6 040.5</b>	<b>92.9</b>	<b>2 907.0</b>	<b>0.0</b>	<b>-248.8</b>
- International maritime bunkers	27.9	0.0	0.0	0.0	0.0	27.9	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>33 445.1</b>	<b>5 388.7</b>	<b>0.0</b>	<b>11.9</b>	<b>0.0</b>	<b>9 633.0</b>	<b>9 620.0</b>	<b>6 040.5</b>	<b>92.9</b>	<b>2 907.0</b>	<b>0.0</b>	<b>-248.8</b>
- International aviation	335.9	Z	Z	Z	Z	335.9	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>33 109.1</b>	<b>5 388.7</b>	<b>0.0</b>	<b>11.9</b>	<b>0.0</b>	<b>9 297.0</b>	<b>9 620.0</b>	<b>6 040.5</b>	<b>92.9</b>	<b>2 907.0</b>	<b>0.0</b>	<b>-248.8</b>
<b>Transformation input</b>	<b>26 101.8</b>	<b>4 717.1</b>	<b>29.6</b>	<b>0.0</b>	<b>0.0</b>	<b>12 846.8</b>	<b>3 036.2</b>	<b>2 524.8</b>	<b>0.2</b>	<b>2 907.0</b>	<b>0.0</b>	<b>40.1</b>
+ Electricity & heat generation	12 941.7	4 483.0	29.6	0.0	0.0	291.0	2 939.1	2 251.7	0.2	2 907.0	0.0	40.1
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	234.0	234.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	12 555.8	Z	Z	Z	Z	12 555.8	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	273.1	Z	Z	Z	Z	Z	Z	273.1	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	97.1	0.0	0.0	0.0	0.0	97.1	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>	<b>20 834.2</b>	<b>0.0</b>	<b>224.7</b>	<b>0.0</b>	<b>Z</b>	<b>13 026.4</b>	<b>0.0</b>	<b>273.1</b>	<b>Z</b>	<b>Z</b>	<b>1 781.6</b>	<b>5 528.5</b>
+ Electricity & heat generation	7 310.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	1 781.6	5 528.5
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	224.7	0.0	224.7	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	12 941.5	Z	Z	Z	Z	12 941.5	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	273.1	Z	Z	Z	Z	Z	Z	273.1	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	84.8	Z	Z	Z	Z	84.8	Z	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>2 480.3</b>	<b>17.0</b>	<b>13.9</b>	<b>0.0</b>	<b>0.0</b>	<b>910.2</b>	<b>468.8</b>	<b>12.3</b>	<b>0.0</b>	<b>Z</b>	<b>275.5</b>	<b>782.7</b>
+ Own use in electricity & heat genera	652.8	16.8	13.9	0.0	0.0	15.9	36.4	12.2	0.0	Z	132.8	424.8
+ Coal mines	91.5	0.2	0.0	0.0	0.0	16.5	0.1	0.0	0.0	Z	2.4	72.3
+ Oil & natural gas extraction plants	369.8	Z	Z	Z	Z	12.8	233.6	0.0	Z	Z	0.0	123.3
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	1 054.4	0.0	0.0	0.0	0.0	645.1	194.9	0.0	0.0	Z	104.8	109.5
+ Nuclear industry	1.1	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	1.1
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	310.7	0.0	0.0	0.0	0.0	219.9	3.7	0.0	0.0	Z	35.4	51.7
<b>Distribution losses</b>	<b>996.4</b>	<b>0.0</b>	<b>30.9</b>	<b>0.0</b>	<b>0.0</b>	<b>6.3</b>	<b>77.2</b>	<b>0.4</b>	<b>0.0</b>	<b>Z</b>	<b>280.2</b>	<b>601.4</b>
<b>Available for final consumption</b>	<b>24 364.9</b>	<b>654.6</b>	<b>150.2</b>	<b>11.9</b>	<b>0.0</b>	<b>8 560.1</b>	<b>6 037.9</b>	<b>3 776.1</b>	<b>92.7</b>	<b>0.0</b>	<b>1 225.9</b>	<b>3 855.5</b>
<b>Final non-energy consumption</b>	<b>1 070.5</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>726.6</b>	<b>342.6</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>22 860.0</b>	<b>627.8</b>	<b>150.2</b>	<b>11.8</b>	<b>0.0</b>	<b>7 571.6</b>	<b>5 520.3</b>	<b>3 778.6</b>	<b>92.7</b>	<b>Z</b>	<b>1 263.6</b>	<b>3 843.4</b>
+ Industry	6 390.2	593.5	150.2	0.0	0.0	945.1	2 181.1	292.2	88.9	Z	271.3	1 867.9
+ Iron & steel	1 352.6	490.5	150.2	0.0	0.0	4.6	486.6	0.0	1.1	Z	1.1	218.5
+ Chemical & petrochemical	1 329.1	32.9	0.0	0.0	0.0	258.5	586.8	4.9	14.5	Z	165.1	266.3
+ Non-ferrous metals	288.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	288.7
+ Non-metallic minerals	1 015.0	60.3	0.0	0.0	0.0	337.9	269.6	48.1	64.5	Z	7.0	227.6
+ Transport equipment	229.6	0.0	0.0	0.0	0.0	0.0	95.0	0.0	0.0	Z	11.6	123.1
+ Machinery	392.6	0.0	0.0	0.0	0.0	15.6	148.1	4.5	0.1	Z	13.1	211.2
+ Mining & quarrying	41.3	0.0	0.0	0.0	0.0	15.6	0.7	2.3	0.0	Z	0.1	22.7
+ Food, beverages & tobacco	578.8	9.5	0.0	0.0	0.0	46.1	295.1	34.6	6.6	Z	24.7	162.2
+ Paper, pulp & printing	170.2	0.0	0.0	0.0	0.0	0.2	96.9	3.6	2.0	Z	3.1	64.4
+ Wood & wood products	329.1	0.0	0.0	0.0	0.0	13.6	25.1	165.0	0.0	Z	34.9	90.5
+ Construction	349.6	0.2	0.0	0.0	0.0	245.6	63.1	3.9	0.1	Z	1.9	34.7
+ Textile & leather	162.5	0.0	0.0	0.0	0.0	2.3	97.2	0.8	0.0	Z	3.7	58.5
+ Not elsewhere specified (industry)	151.0	0.0	0.0	0.0	0.0	5.2	16.8	24.6	0.0	Z	5.0	99.6
+ Transport	6 149.2	0.0	0.0	0.0	0.0	5 757.9	0.2	297.4	0.0	Z	93.7	
+ Rail	204.1	0.0	0.0	0.0	0.0	115.4	Z	0.1	0.0	Z	Z	88.6
+ Road	5 853.4	Z	Z	Z	Z	5 552.8	0.0	297.2	0.0	Z	Z	3.3
+ Domestic aviation	49.3	Z	Z	Z	Z	49.3	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	40.4	0.0	0.0	0.0	0.0	40.4	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	2.0	Z	Z	Z	Z	0.0	0.2	0.0	0.0	Z	Z	1.8
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	10 320.5	34.3	0.0	11.8	0.0	868.5	3 339.0	3 189.0	3.7	Z	992.3	1 881.8
+ Commercial & public services	1 840.7	0.0	0.0	0.0	0.0	89.4	812.0	22.8	3.7	Z	177.8	735.0
+ Households	7 679.3	34.3	0.0	0.0	0.0	281.7	2 421.2	3 054.0	0.0	Z	804.9	1 083.1
+ Agriculture & forestry	493.5	0.0	0.0	11.8	0.0	296.2	105.7	6.4	0.0	Z	9.6	63.7
+ Fishing	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	306.9	0.0	0.0	0.0	0.0	201.1	0.0	105.8	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>434.4</b>	<b>25.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>261.9</b>	<b>175.0</b>	<b>-2.5</b>	<b>0.0</b>	<b>0.0</b>	<b>-37.8</b>	<b>12.1</b>
Gross electricity production	5 528.5	1 442.8	6.6	0.0	0.0	54.4	916.3	2 118.7	0.0	989.6	Z	Z
Gross heat production	1 781.6	393.6	5.1	0.0	0.0	118.0	1 188.5	76.2	0.2	0.0	Z	0.0

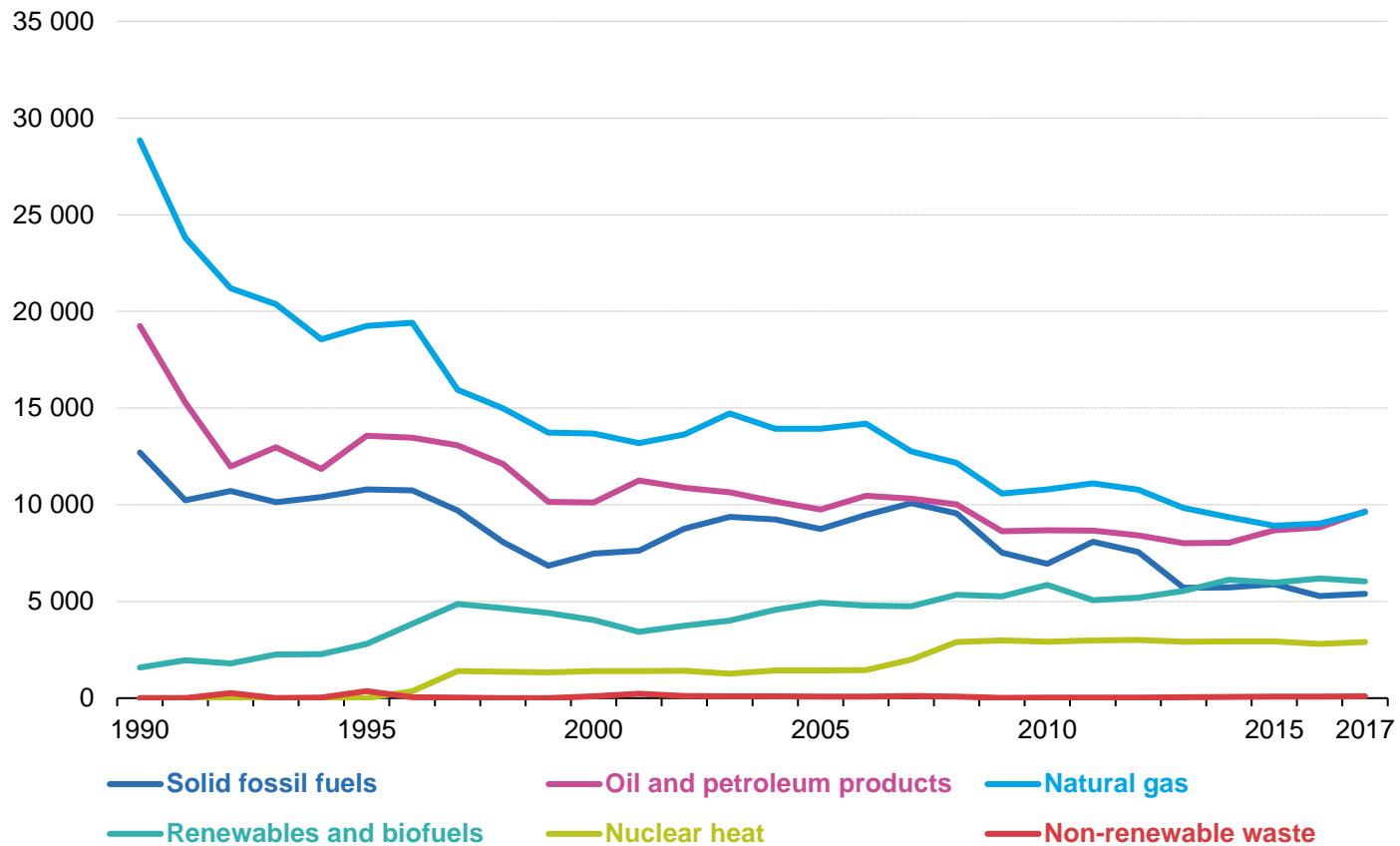
Source: Eurostat (nrg\_bal\_c)

Romania	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	38 636	35 041	35 784	34 999	31 910	31 647	31 899	31 789	33 473	
Solid fossil fuels	8 754	6 949	8 093	7 560	5 708	5 728	5 892	5 278	5 389	
Peat & peat products	3	8	8	0	8	7	8	9	12	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	14 544	10 264	9 808	8 918	9 639	10 816	11 005	11 848	12 278	
Petroleum products	-4 798	-1 587	-1 143	-509	-1 625	-2 775	-2 330	-3 017	-2 617	
Natural gas	13 923	10 788	11 105	10 777	9 839	9 349	8 917	9 024	9 620	
Nuclear heat	1 433	2 923	2 979	3 009	2 922	2 941	2 940	2 811	2 907	
Renewable energies	4 940	5 860	5 070	5 195	5 551	6 124	5 973	6 189	6 040	
Non-renewable wastes	85	30	29	27	41	70	72	80	93	
<b>Primary production</b>	27 988	27 449	27 570	27 262	25 875	26 339	26 439	24 799	25 475	
Solid fossil fuels	5 793	5 903	6 662	6 346	4 656	4 449	4 711	4 234	4 467	
Peat	1	1	0	0	0	0	1	1	1	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	5 989	4 265	4 206	3 955	4 095	4 026	3 993	3 795	3 638	
Natural gas	9 701	8 619	8 667	8 683	8 600	8 766	8 785	7 784	8 522	
Nuclear heat	1 433	2 923	2 979	3 009	2 922	2 941	2 940	2 811	2 907	
Renewable energies	4 984	5 708	5 027	5 242	5 561	6 090	5 935	6 096	5 844	
Non-renewable wastes	85	30	29	27	41	68	74	78	95	
<b>Net imports</b>	10 502	7 430	7 504	7 798	5 778	5 192	5 243	6 876	7 738	
Solid fossil fuels	2 904	1 172	1 077	1 222	1 042	953	982	1 028	990	
Crude oil	8 560	5 684	5 319	5 014	5 172	6 590	6 463	7 358	7 645	
Gas/Diesel Oil (w/o bio)	-1 755	460	562	848	255	-650	-398	-464	-184	
Motor Gasoline (w/o bio)	-2 759	-1 347	-1 711	-1 492	-1 624	-1 714	-1 745	-2 075	-1 894	
Naphtha	-124	-143	-103	-59	-65	-109	-129	-108	-246	
LPG	-20	-115	-109	-110	-105	-83	-86	-136	-91	
All other oil & petroleum products	-247	-43	83	122	119	309	528	412	620	
Natural gas	4 190	1 816	2 464	2 297	1 165	465	161	1 175	932	
<b>Transformation input</b>	32 203	26 030	26 342	25 260	23 778	26 066	26 056	25 537	26 102	
Electricity & heat generation	14 105	13 811	15 038	14 142	12 617	13 031	13 321	12 749	12 942	
Refinery intake	14 746	10 876	10 375	9 768	10 030	11 558	11 439	12 073	12 397	
Coke ovens	1 595	2	0	0	0	0	0	0	0	
Blast furnaces	1 480	558	178	213	226	222	254	249	234	
<b>Transformation output</b>	25 956	20 622	20 085	18 608	18 603	20 942	20 647	20 632	20 834	
Electricity & heat generation	8 158	7 610	7 711	7 211	7 089	7 509	7 530	7 431	7 310	
Refinery output	15 246	11 473	11 008	10 092	10 399	11 979	11 845	12 517	12 790	
Coke ovens	1 462	2	0	0	0	0	0	0	0	
Blast furnaces	593	223	178	213	226	213	244	239	225	
<b>Energy sector</b>	4 476	3 229	3 013	2 846	2 709	2 631	2 337	2 411	2 480	
<b>Distribution losses</b>	1 879	1 425	1 363	1 335	1 116	1 069	1 077	1 073	996	
<b>Available for final consumption</b>	25 907	24 797	24 996	24 018	22 702	22 536	22 792	23 078	24 365	
Solid fossil fuels	749	450	681	759	533	603	659	654	655	
Manufactured gases	572	172	142	189	196	174	169	159	150	
Peat & peat products	3	8	8	0	8	7	8	9	12	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	2 934	4 218	4 706	4 589	4 267	4 348	4 661	4 904	5 431	
Motor Gasoline (w/o bio)	1 622	1 586	1 415	1 408	1 316	1 431	1 369	1 405	1 457	
Naphtha	405	279	185	3	7	-50	-10	79	1	
LPG	747	496	510	350	387	478	447	475	532	
All other oil & petroleum products	1 848	1 490	1 382	884	1 019	836	1 328	1 084	1 140	
Natural gas	8 313	6 779	7 074	6 922	6 325	6 149	5 600	5 557	6 038	
Primary solid biofuels & charcoal	3 159	3 920	3 358	3 565	3 499	3 442	3 325	3 413	3 446	
Liquid biofuels	0	99	152	195	203	167	202	253	296	
All other renewable energies	17	24	32	27	35	26	25	33	34	
Non-renewable wastes	60	30	27	27	40	69	72	78	93	
Electricity	3 341	3 566	3 665	3 616	3 466	3 608	3 709	3 746	3 856	
Heat	2 135	1 681	1 658	1 484	1 401	1 247	1 228	1 229	1 226	
<b>Statistical difference</b>	-306	720	220	-340	-386	-454	67	0	434	
<b>Final non-energy consumption</b>	2 627	2 057	2 223	1 729	1 457	1 520	1 125	1 143	1 070	
<b>Final energy consumption</b>	23 587	22 021	22 553	22 629	21 631	21 470	21 600	21 935	22 860	
Industry	8 998	6 484	7 060	6 748	6 273	6 427	6 419	6 264	6 390	
Transport	4 155	4 948	5 175	5 315	5 189	5 266	5 338	5 738	6 149	
Other sectors	10 434	10 589	10 318	10 566	10 170	9 777	9 844	9 933	10 321	
Services	1 670	1 881	1 774	1 763	1 785	1 768	1 762	1 806	1 841	
Households	7 991	8 102	7 860	8 061	7 722	7 410	7 375	7 415	7 679	

Source: Eurostat (nrg\_bal\_c)

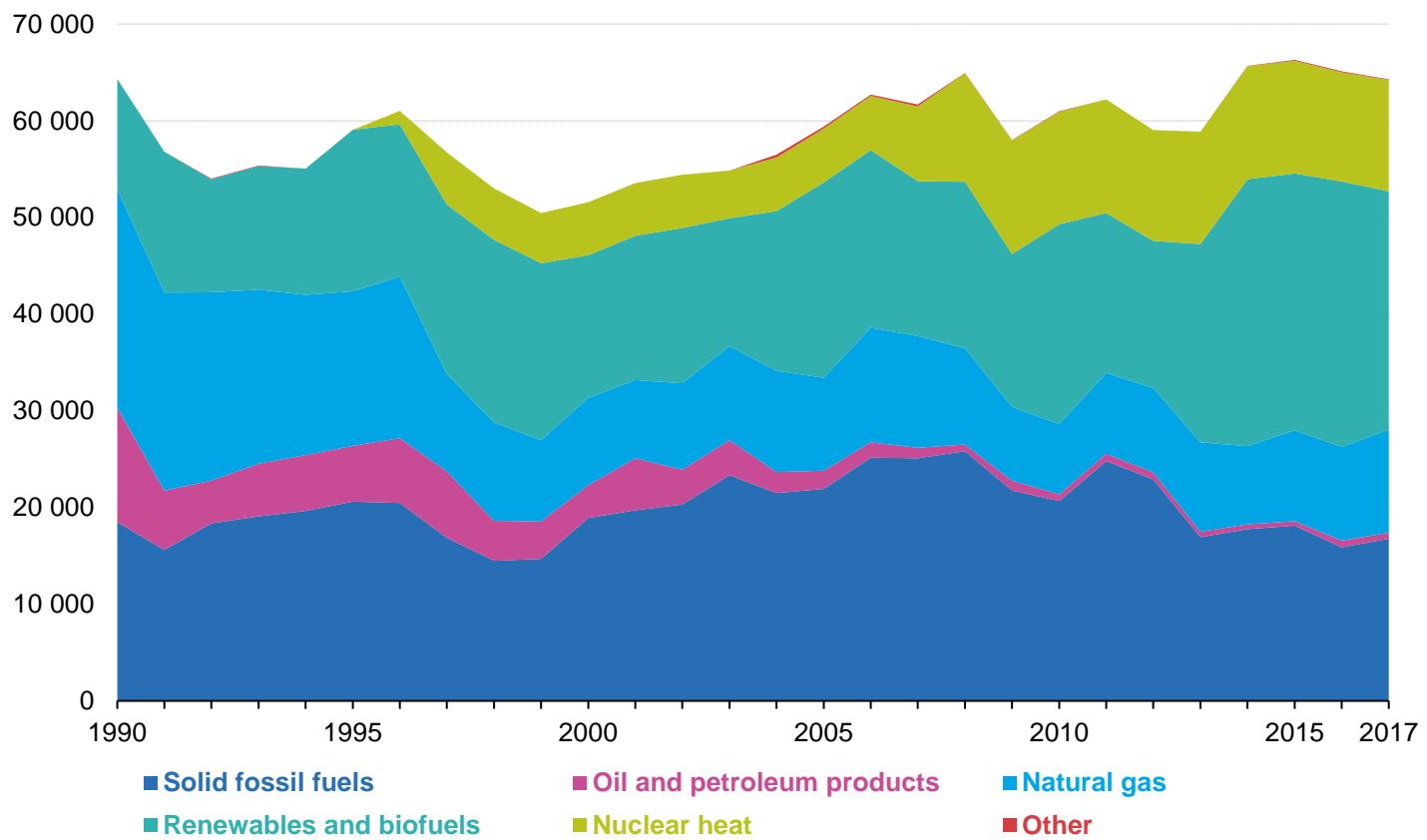
# Romania

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

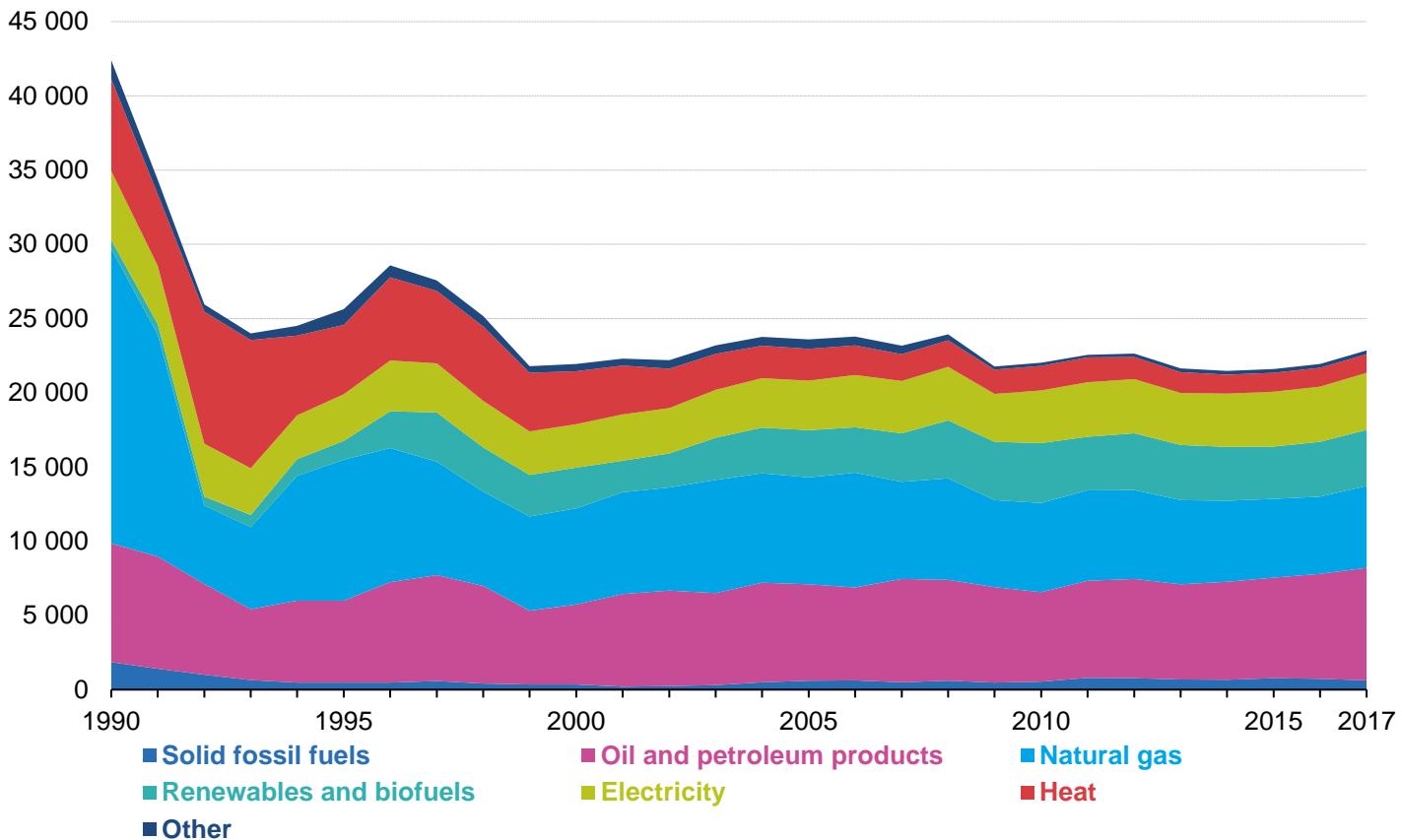


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

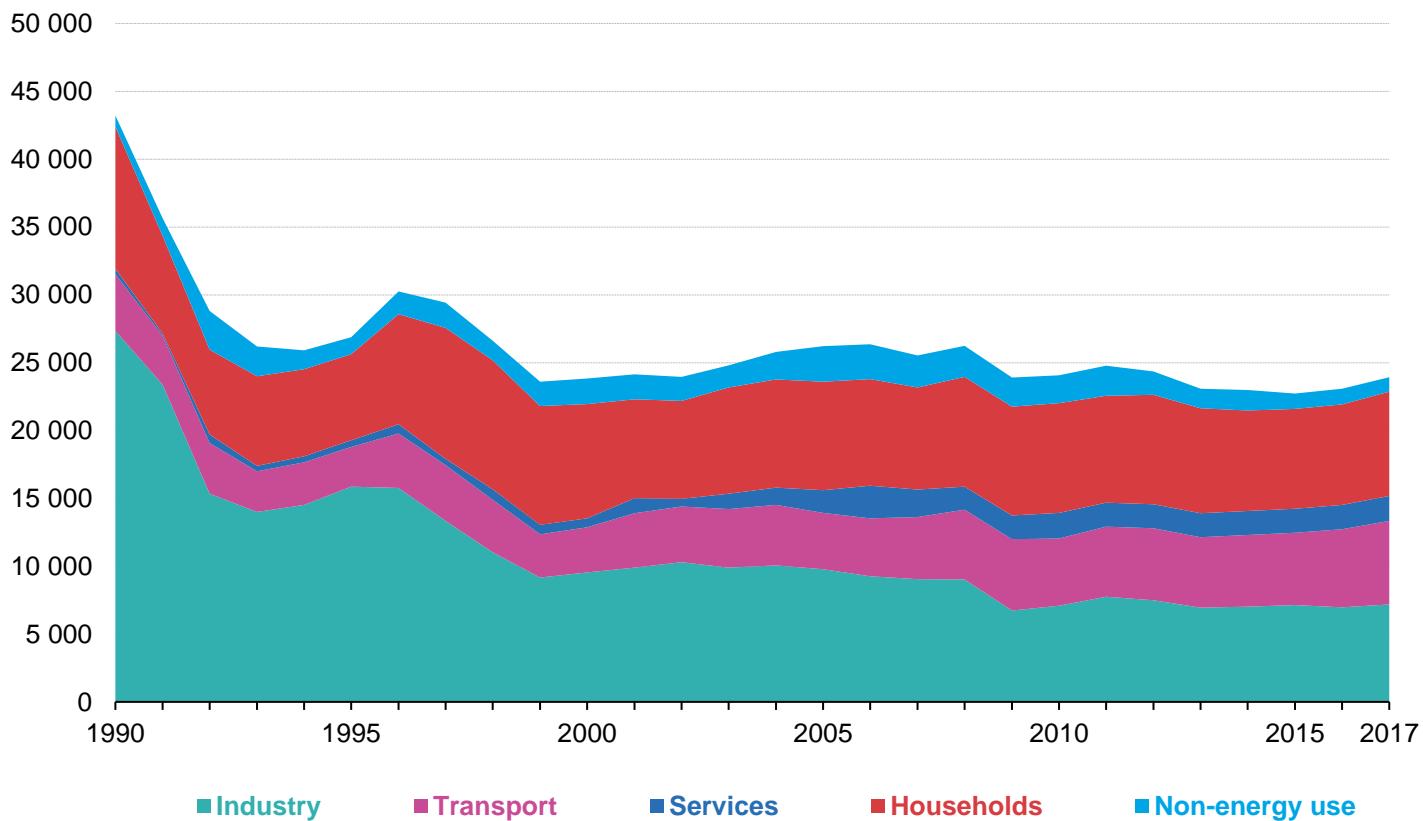
# Romania

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Slovenia ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	3 515.0	933.4	Z	0.0	0.0	0.5	7.2	1 034.7	51.1	1 488.1	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	6 444.0	197.9	0.0	0.0	0.0	4 681.0	734.5	45.3	0.0	Z	0.0	785.3
- Exports	2 950.0	0.0	0.0	0.0	0.0	2 117.3	3.1	0.0	0.0	Z	0.0	829.6
+ Change in stock	-74.0	9.1	0.0	0.0	0.0	-82.2	0.0	-0.9	0.0	Z	Z	Z
= Gross available energy	<b>6 935.0</b>	<b>1 140.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 482.0</b>	<b>738.6</b>	<b>1 079.1</b>	<b>51.1</b>	<b>1 488.1</b>	<b>0.0</b>	<b>-44.3</b>
- International maritime bunkers	154.2	0.0	0.0	0.0	0.0	154.2	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>6 780.8</b>	<b>1 140.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 327.8</b>	<b>738.6</b>	<b>1 079.1</b>	<b>51.1</b>	<b>1 488.1</b>	<b>0.0</b>	<b>-44.3</b>
- International aviation	26.4	Z	Z	Z	Z	26.4	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>6 754.4</b>	<b>1 140.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 301.4</b>	<b>738.6</b>	<b>1 079.1</b>	<b>51.1</b>	<b>1 488.1</b>	<b>0.0</b>	<b>-44.3</b>
<b>Transformation input</b>	<b>3 227.7</b>	<b>1 089.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.5</b>	<b>122.1</b>	<b>479.4</b>	<b>8.9</b>	<b>1 488.1</b>	<b>0.0</b>	<b>31.4</b>
+ Electricity & heat generation	3 192.5	1 089.2	0.0	0.0	0.0	8.5	122.1	444.3	8.9	1 488.1	0.0	31.4
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	35.2	Z	Z	Z	Z	Z	Z	35.2	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>1 664.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>35.2</b>	<b>Z</b>	<b>Z</b>	<b>225.7</b>	<b>1 403.8</b>
+ Electricity & heat generation	1 629.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	225.7	1 403.8
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	35.2	Z	Z	Z	Z	Z	Z	35.2	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>102.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>12.9</b>	<b>87.9</b>
+ Own use in electricity & heat genera-	91.9	0.0	0.0	0.0	0.0	0.1	1.2	0.0	0.0	Z	10.7	79.9
+ Coal mines	7.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	Z	2.0	4.8
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.2	3.2
<b>Distribution losses</b>	<b>108.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>31.8</b>	<b>76.8</b>
<b>Available for final consumption</b>	<b>4 980.5</b>	<b>51.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 292.6</b>	<b>615.3</b>	<b>634.8</b>	<b>42.1</b>	<b>0.0</b>	<b>181.1</b>	<b>1 163.4</b>
<b>Final non-energy consumption</b>	<b>140.4</b>	<b>7.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>128.0</b>	<b>5.4</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>4 837.1</b>	<b>38.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 167.3</b>	<b>609.9</b>	<b>634.8</b>	<b>42.1</b>	<b>Z</b>	<b>181.1</b>	<b>1 163.4</b>
+ Industry	1 295.6	38.3	0.0	0.0	0.0	96.1	438.7	74.7	42.1	Z	51.4	554.3
+ Iron & steel	158.3	6.2	0.0	0.0	0.0	2.1	78.0	0.0	0.0	Z	1.3	70.7
+ Chemical & petrochemical	163.9	0.0	0.0	0.0	0.0	4.1	46.8	22.7	1.3	Z	29.5	59.6
+ Non-ferrous metals	169.6	1.6	0.0	0.0	0.0	7.1	44.0	0.0	0.0	Z	0.7	116.2
+ Non-metallic minerals	192.8	11.3	0.0	0.0	0.0	31.5	75.6	0.9	40.9	Z	0.0	32.6
+ Transport equipment	36.1	0.0	0.0	0.0	0.0	1.6	12.9	0.0	0.0	Z	0.2	21.2
+ Machinery	142.6	0.0	0.0	0.0	0.0	10.5	37.2	1.7	0.0	Z	6.8	86.4
+ Mining & quarrying	18.6	0.0	0.0	0.0	0.0	2.2	3.7	0.0	0.0	Z	0.0	12.7
+ Food, beverages & tobacco	66.5	0.0	0.0	0.0	0.0	9.0	27.0	1.1	0.0	Z	3.6	25.8
+ Paper, pulp & printing	170.2	19.2	0.0	0.0	0.0	1.2	76.8	11.8	0.0	Z	1.1	60.1
+ Wood & wood products	47.0	0.0	0.0	0.0	0.0	1.2	0.0	32.0	0.0	Z	0.4	13.3
+ Construction	30.9	0.0	0.0	0.0	0.0	21.4	4.8	0.2	0.0	Z	0.3	4.2
+ Textile & leather	20.8	0.0	0.0	0.0	0.0	1.5	8.3	0.9	0.0	Z	1.2	8.9
+ Not elsewhere specified (industry)	78.3	0.0	0.0	0.0	0.0	2.7	23.5	3.4	0.0	Z	6.2	42.5
+ Transport	1 848.7	0.2	0.0	0.0	0.0	1 781.9	3.3	43.3	0.0	Z	Z	20.0
+ Rail	28.7	0.2	0.0	0.0	0.0	9.2	Z	0.0	0.0	Z	Z	19.4
+ Road	1 819.0	Z	Z	Z	Z	1 772.4	3.3	43.3	0.0	Z	Z	0.1
+ Domestic aviation	0.4	Z	Z	Z	Z	0.4	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.6
+ Other	1 692.8	0.1	0.0	0.0	0.0	289.2	167.9	516.8	0.0	Z	129.7	589.1
+ Commercial & public services	480.2	0.0	0.0	0.0	0.0	65.7	48.9	12.0	0.0	Z	50.7	303.0
+ Households	1 120.4	0.1	0.0	0.0	0.0	134.0	119.1	502.2	0.0	Z	79.0	286.1
+ Agriculture & forestry	72.9	0.0	0.0	0.0	0.0	70.3	0.0	2.6	0.0	Z	0.0	0.0
+ Fishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	19.2	0.0	0.0	0.0	0.0	19.2	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>3.0</b>	<b>5.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-2.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production	1 403.8	414.8	0.0	0.0	0.0	1.2	40.7	405.9	0.8	540.4	Z	Z
Gross heat production	225.7	120.8	0.0	0.0	0.0	4.7	60.7	36.5	3.1	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

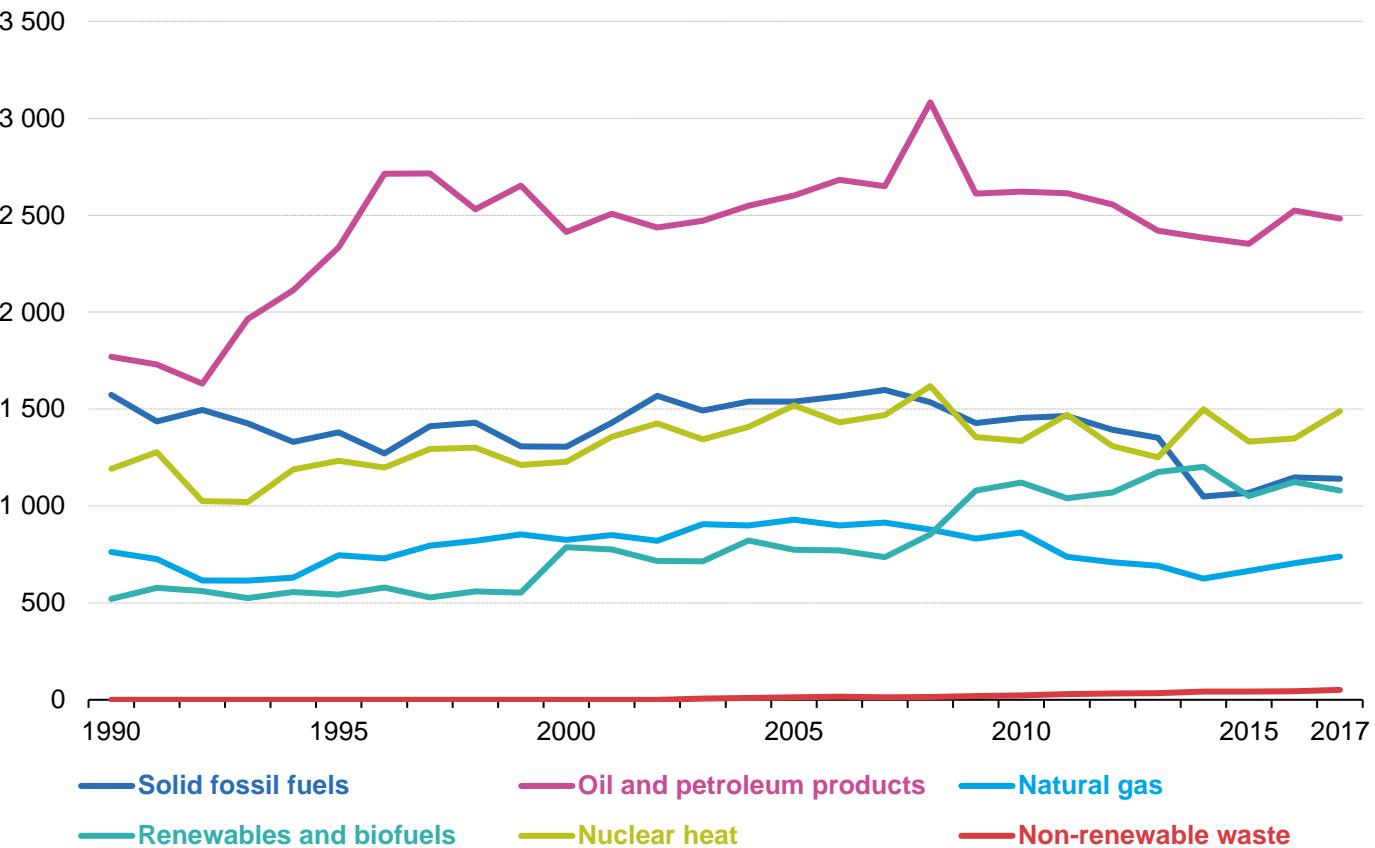
eurostat ■ Energy balance sheets — 2017 data

Slovenia	ktoe								
	2005	2010	2011	2012	2013	2014	2015	2016	2017
<b>Gross available energy</b>	7 346	7 235	7 237	6 978	6 813	6 568	6 508	6 793	6 935
Solid fossil fuels	1 538	1 453	1 465	1 393	1 352	1 049	1 068	1 147	1 140
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0
Petroleum products	2 602	2 622	2 613	2 556	2 420	2 384	2 353	2 524	2 482
Natural gas	929	863	738	710	692	626	664	705	739
Nuclear heat	1 518	1 335	1 471	1 308	1 251	1 500	1 332	1 349	1 488
Renewable energies	774	1 121	1 040	1 069	1 174	1 202	1 052	1 124	1 079
Non-renewable wastes	13	23	29	32	35	43	43	45	51
<b>Primary production</b>	3 492	3 652	3 705	3 453	3 478	3 521	3 262	3 445	3 515
Solid fossil fuels	1 184	1 196	1 201	1 093	1 075	818	862	942	933
Peat	0	0	0	0	0	0	0	0	0
Oil shale and oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	1
Natural gas	3	6	2	2	3	3	3	4	7
Nuclear heat	1 518	1 335	1 471	1 308	1 251	1 500	1 332	1 349	1 488
Renewable energies	774	1 091	1 003	1 018	1 115	1 157	1 022	1 105	1 035
Non-renewable wastes	13	23	29	32	35	43	43	45	51
<b>Net imports</b>	3 855	3 584	3 516	3 635	3 254	2 987	3 236	3 349	3 494
Solid fossil fuels	323	280	257	300	264	226	204	198	198
Crude oil	0	0	0	0	0	0	0	0	0
Gas/Diesel Oil (w/o bio)	1 541	1 691	1 725	1 808	1 556	1 581	1 576	1 677	1 703
Motor Gasoline (w/o bio)	706	604	591	553	479	437	446	449	432
Naphtha	0	0	0	0	0	0	0	0	0
LPG	98	95	91	88	82	81	89	88	97
All other oil & petroleum products	290	210	199	215	237	230	232	318	332
Natural gas	925	857	736	708	689	623	662	701	731
<b>Transformation input</b>	3 413	3 407	3 475	3 304	3 275	3 309	2 954	3 099	3 228
Electricity & heat generation	3 413	3 365	3 443	3 258	3 222	3 273	2 931	3 085	3 193
Refinery intake	0	0	0	0	0	0	0	0	0
Coke ovens	0	0	0	0	0	0	0	0	0
Blast furnaces	0	0	0	0	0	0	0	0	0
<b>Transformation output</b>	1 541	1 688	1 645	1 626	1 667	1 731	1 529	1 648	1 665
Electricity & heat generation	1 541	1 647	1 613	1 580	1 610	1 695	1 506	1 634	1 630
Refinery output	0	0	0	0	0	0	0	0	0
Coke ovens	0	0	0	0	0	0	0	0	0
Blast furnaces	0	0	0	0	0	0	0	0	0
<b>Energy sector</b>	104	112	110	111	108	104	100	101	102
<b>Distribution losses</b>	122	119	106	109	105	101	103	105	109
<b>Available for final consumption</b>	5 204	5 238	5 135	5 006	4 906	4 702	4 790	4 993	4 980
Solid fossil fuels	127	71	68	66	70	48	50	52	51
Manufactured gases	0	0	0	0	0	0	0	0	0
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Gas/Diesel Oil (w/o bio)	1 510	1 710	1 729	1 711	1 609	1 582	1 582	1 708	1 627
Motor Gasoline (w/o bio)	693	604	587	530	483	452	442	438	422
Naphtha	0	0	0	0	0	0	0	0	0
LPG	101	93	88	92	85	81	90	88	92
All other oil & petroleum products	240	160	146	140	149	171	140	141	151
Natural gas	791	699	583	552	545	523	563	604	615
Primary solid biofuels & charcoal	438	576	571	546	571	491	538	556	531
Liquid biofuels	0	46	37	52	64	44	29	18	43
All other renewable energies	1	36	39	42	46	48	51	56	60
Non-renewable wastes	12	23	23	24	27	36	35	36	42
Electricity	1 096	1 027	1 075	1 069	1 073	1 071	1 100	1 120	1 163
Heat	196	192	191	183	183	154	169	175	181
<b>Statistical difference</b>	21	17	10	11	17	-5	4	10	3
<b>Final non-energy consumption</b>	311	211	126	122	117	141	126	128	140
<b>Final energy consumption</b>	4 872	5 009	4 999	4 873	4 771	4 565	4 660	4 855	4 837
Industry	1 646	1 274	1 237	1 207	1 198	1 231	1 228	1 242	1 296
Transport	1 463	1 778	1 882	1 899	1 814	1 795	1 773	1 883	1 849
Other sectors	1 764	1 957	1 880	1 766	1 760	1 538	1 659	1 730	1 693
Services	476	533	531	453	468	427	455	492	480
Households	1 190	1 326	1 265	1 219	1 203	1 017	1 111	1 148	1 120

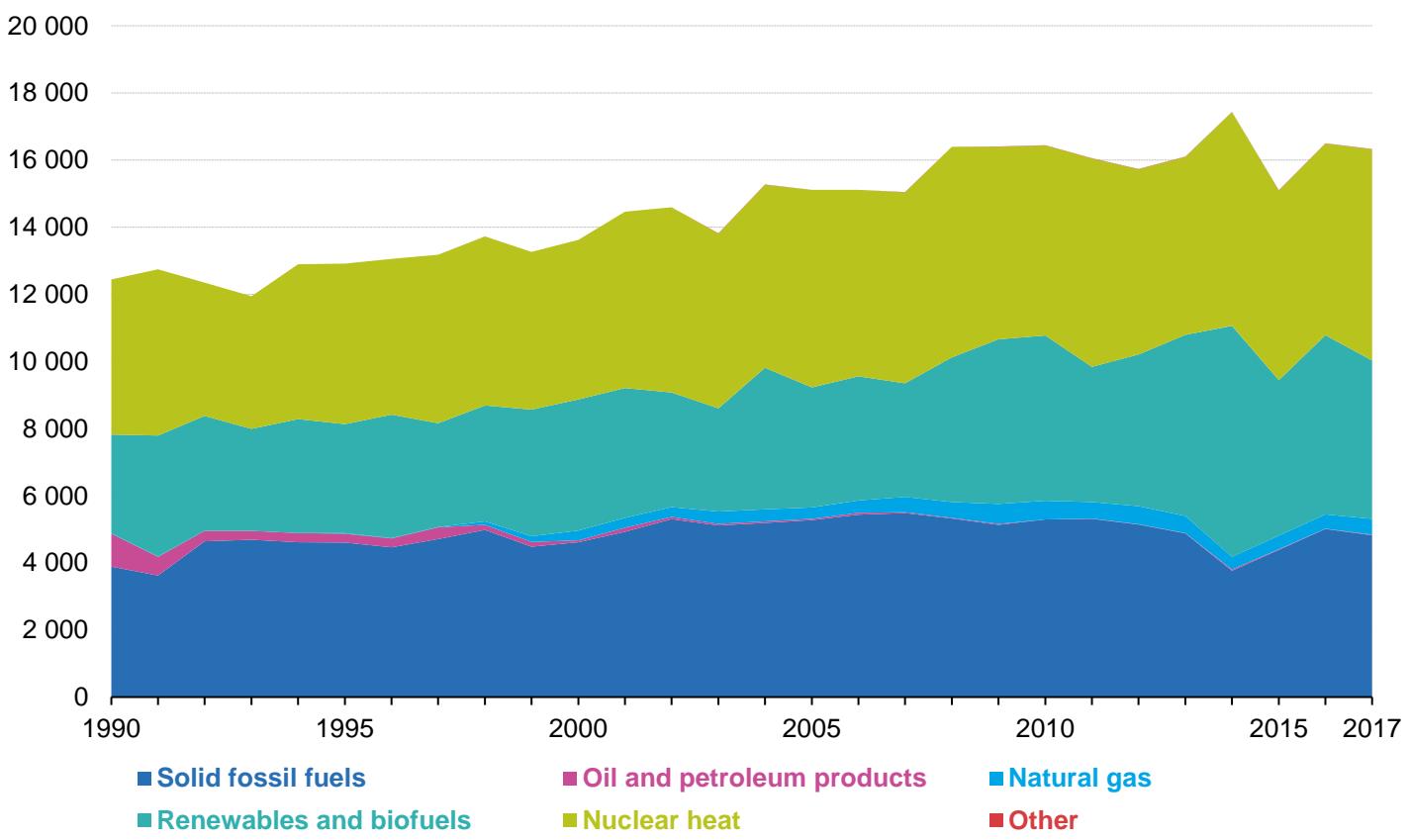
Source: Eurostat (nrg\_bal\_c)

# Slovenia

## Gross available energy by fuel, ktoe



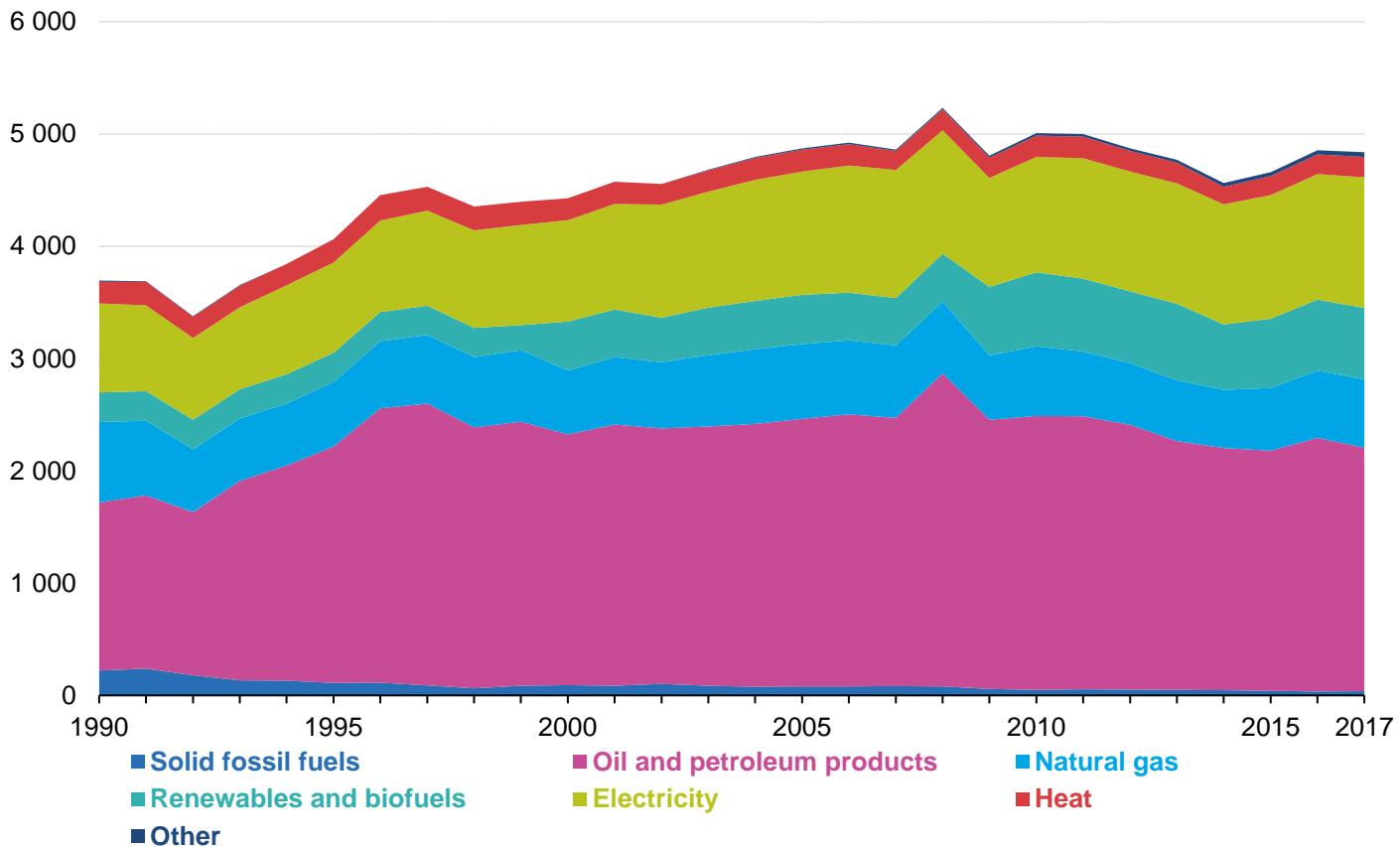
## Gross electricity production by fuel, GWh



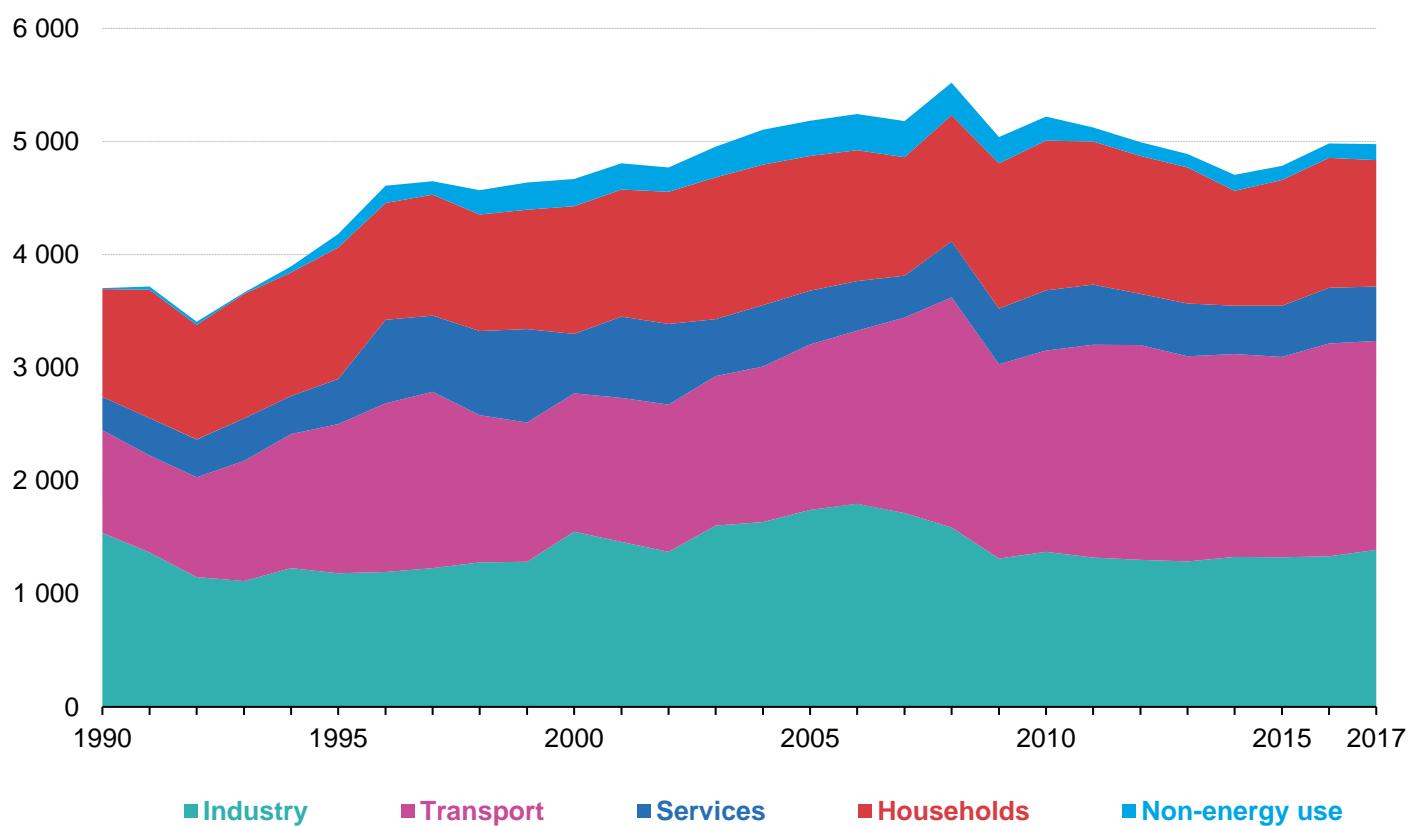
Note: Please refer to page 23 for related methodological definitions.

# Slovenia

## Final energy consumption by fuel, ktoe



## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Slovak Republic	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017											
+ Primary production	6 369.6	446.4	Z	0.0	0.0	8.0	116.8	1 615.1	198.3	3 985.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	16 431.2	3 018.6	0.0	0.0	0.0	7 578.3	4 367.8	119.2	7.2	Z	2.0	1 338.2
- Exports	5 246.3	53.2	0.0	0.0	0.0	3 978.3	0.0	137.0	0.0	Z	0.0	1 077.8
+ Change in stock	-306.4	-35.0	0.0	0.0	0.0	82.6	-347.9	-5.5	-0.6	Z	Z	Z
= Gross available energy	<b>17 248.2</b>	<b>3 376.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 690.6</b>	<b>4 136.7</b>	<b>1 591.9</b>	<b>204.9</b>	<b>3 985.0</b>	<b>2.0</b>	<b>260.4</b>
- International maritime bunkers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>17 248.2</b>	<b>3 376.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 690.6</b>	<b>4 136.7</b>	<b>1 591.9</b>	<b>204.9</b>	<b>3 985.0</b>	<b>2.0</b>	<b>260.4</b>
- International aviation	40.3	Z	Z	Z	Z	40.3	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>17 207.9</b>	<b>3 376.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 650.3</b>	<b>4 136.7</b>	<b>1 591.9</b>	<b>204.9</b>	<b>3 985.0</b>	<b>2.0</b>	<b>260.4</b>
<b>Transformation input</b>	<b>16 991.8</b>	<b>4 001.0</b>	<b>76.1</b>	<b>0.0</b>	<b>0.0</b>	<b>6 878.5</b>	<b>826.1</b>	<b>1 169.7</b>	<b>17.5</b>	<b>3 985.0</b>	<b>0.0</b>	<b>37.9</b>
+ Electricity & heat generation	6 924.1	940.2	76.1	0.0	0.0	222.4	652.0	993.1	17.5	3 985.0	0.0	37.9
+ Coke ovens	1 462.5	1 462.5	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	1 598.4	1 598.4	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	6 656.2	Z	Z	Z	Z	6 656.2	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	176.6	Z	Z	Z	Z	Z	Z	176.6	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	174.1	0.0	0.0	0.0	0.0	0.0	174.1	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>12 434.7</b>	<b>1 118.4</b>	<b>914.7</b>	<b>0.0</b>	<b>Z</b>	<b>6 937.6</b>	<b>0.0</b>	<b>176.6</b>	<b>Z</b>	<b>Z</b>	<b>902.4</b>	<b>2 385.0</b>
+ Electricity & heat generation	3 287.4	Z	Z	Z	Z	Z	Z	Z	Z	Z	902.4	2 385.0
+ Coke ovens	1 391.1	1 118.4	272.7	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	642.0	0.0	642.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	6 577.2	Z	Z	Z	Z	6 577.2	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	176.6	Z	Z	Z	Z	Z	Z	176.6	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	144.7	Z	Z	Z	Z	144.7	Z	Z	Z	Z	Z	Z
+ Not elsewhere specified	215.7	0.0	0.0	0.0	Z	215.7	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>1 285.5</b>	<b>0.5</b>	<b>376.4</b>	<b>0.0</b>	<b>0.0</b>	<b>408.3</b>	<b>92.9</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>127.1</b>	<b>280.2</b>
+ Own use in electricity & heat genera	244.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	Z	67.6	175.9
+ Coal mines	8.3	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Z	1.5	6.1
+ Oil & natural gas extraction plants	8.7	Z	Z	Z	Z	0.0	7.9	0.0	0.0	Z	0.0	0.8
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	185.0	0.0	151.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	28.4	5.5
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	255.5	0.0	225.4	0.0	0.0	0.0	1.8	0.0	0.0	Z	10.7	17.6
+ Petroleum refineries (oil refineries)	578.3	0.0	0.0	0.0	0.0	408.3	78.2	0.0	0.0	Z	18.8	72.9
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	5.5	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	Z	0.0	1.4
<b>Distribution losses</b>	<b>327.9</b>	<b>0.3</b>	<b>28.2</b>	<b>0.0</b>	<b>0.0</b>	<b>82.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>107.9</b>	<b>108.6</b>
<b>Available for final consumption</b>	<b>11 037.3</b>	<b>493.3</b>	<b>434.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 301.0</b>	<b>3 134.8</b>	<b>598.8</b>	<b>187.4</b>	<b>0.0</b>	<b>669.4</b>	<b>2 218.7</b>
<b>Final non-energy consumption</b>	<b>1 099.3</b>	<b>52.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>661.4</b>	<b>385.3</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>9 903.0</b>	<b>405.7</b>	<b>434.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 639.6</b>	<b>2 749.5</b>	<b>598.8</b>	<b>187.4</b>	<b>Z</b>	<b>669.4</b>	<b>2 218.7</b>
+ Industry	3 452.4	299.3	434.0	0.0	0.0	140.8	854.9	349.7	177.4	Z	133.9	1 062.4
+ Iron & steel	1 054.8	232.5	434.0	0.0	0.0	0.0	158.8	4.7	0.0	Z	0.0	224.8
+ Chemical & petrochemical	368.5	0.0	0.0	0.0	0.0	73.5	109.9	0.3	25.5	Z	64.0	95.3
+ Non-ferrous metals	266.5	3.4	0.0	0.0	0.0	3.1	35.2	0.0	0.0	Z	0.0	224.9
+ Non-metallic minerals	468.5	49.3	0.0	0.0	0.0	50.8	160.9	0.2	151.2	Z	4.0	52.1
+ Transport equipment	158.1	1.6	0.0	0.0	0.0	0.0	69.8	0.1	0.0	Z	3.2	83.3
+ Machinery	254.8	0.0	0.0	0.0	0.0	1.1	102.7	4.7	0.7	Z	0.0	145.6
+ Mining & quarrying	10.6	0.5	0.0	0.0	0.0	4.1	2.4	0.1	0.0	Z	0.0	3.5
+ Food, beverages & tobacco	141.3	12.0	0.0	0.0	0.0	1.0	80.8	1.7	0.0	Z	4.8	41.0
+ Paper, pulp & printing	478.3	0.0	0.0	0.0	0.0	1.0	45.8	308.7	0.0	Z	54.2	68.5
+ Wood & wood products	47.5	0.0	0.0	0.0	0.0	0.0	5.6	23.6	0.0	Z	1.8	16.4
+ Construction	29.3	0.0	0.0	0.0	0.0	6.2	15.5	0.5	0.0	Z	0.9	6.3
+ Textile & leather	26.3	0.0	0.0	0.0	0.0	0.0	14.1	0.1	0.0	Z	1.0	11.0
+ Not elsewhere specified (industry)	148.2	0.0	0.0	0.0	0.0	0.0	53.4	5.0	0.0	Z	0.0	89.8
+ Transport	2 772.7	0.0	0.0	0.0	0.0	2 422.2	150.6	149.5	0.0	Z	Z	50.4
+ Rail	42.6	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	42.6
+ Road	2 539.7	Z	Z	Z	Z	2 388.1	0.0	149.5	0.0	Z	Z	2.2
+ Domestic aviation	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	143.6	Z	Z	Z	Z	0.0	143.6	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	46.8	0.0	0.0	0.0	0.0	0.0	34.1	7.1	0.0	Z	Z	5.7
+ Other	3 677.9	106.3	0.0	0.0	0.0	76.6	1 744.0	99.7	10.0	Z	535.4	1 105.8
+ Commercial & public services	1 426.7	71.5	0.0	0.0	0.0	6.3	571.5	24.8	10.0	Z	82.9	659.8
+ Households	2 108.6	34.6	0.0	0.0	0.0	8.8	1 150.0	40.6	0.0	Z	451.9	422.7
+ Agriculture & forestry	142.6	0.3	0.0	0.0	0.0	61.5	22.6	34.3	0.0	Z	0.7	23.3
+ Fishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>35.0</b>	<b>35.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production	2 371.7	257.2	47.2	0.0	0.0	37.7	143.3	587.4	2.2	1 296.7	Z	Z
Gross heat production	902.2	206.1	3.3	0.0	0.0	117.2	372.4	150.7	0.7	50.1	Z	1.6

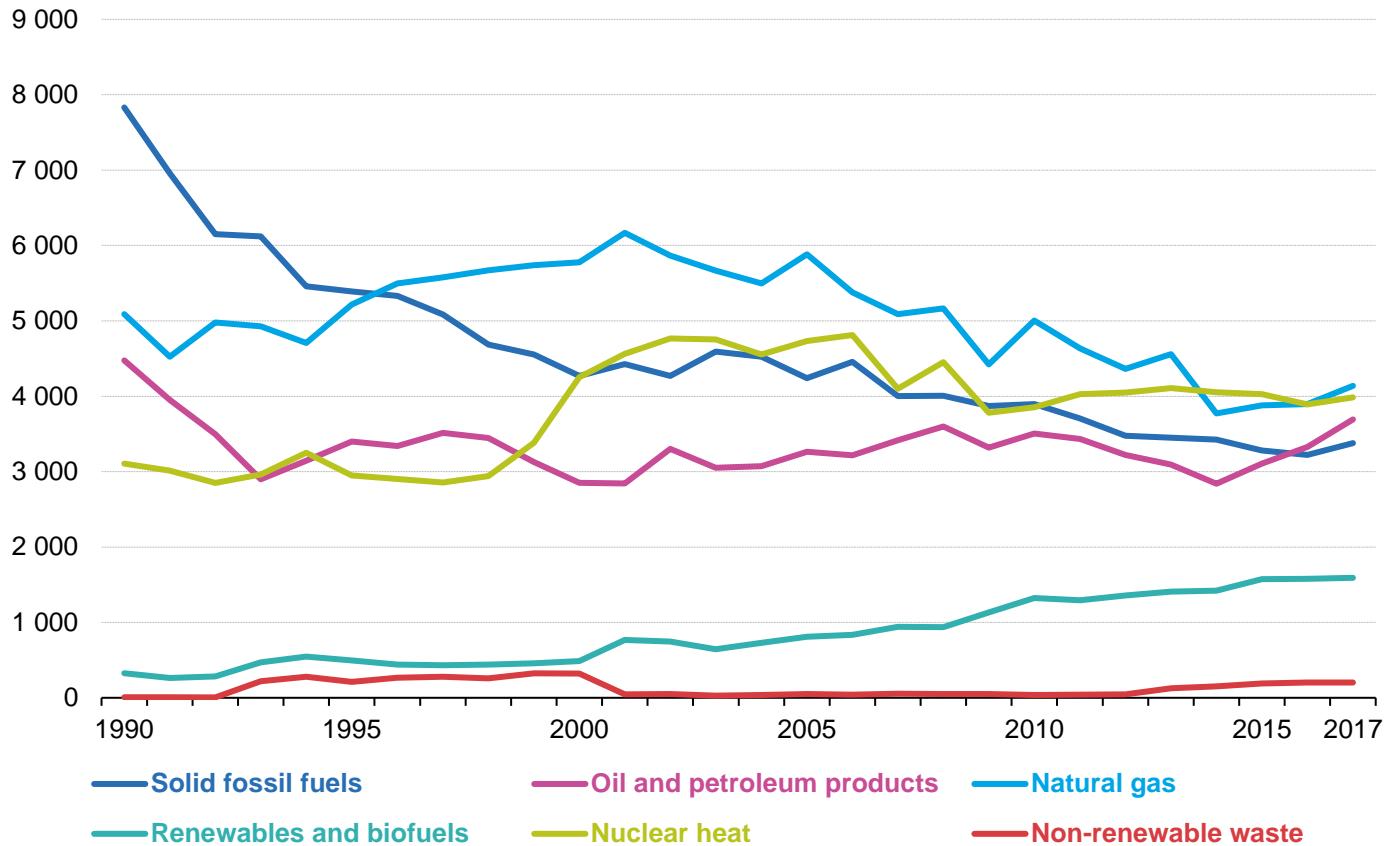
Source: Eurostat (nrg\_bal\_c)

Slovak Republic	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	18 698	17 711	17 195	16 551	16 756	15 757	16 265	16 346	17 248	
Solid fossil fuels	4 239	3 897	3 704	3 477	3 451	3 424	3 279	3 222	3 377	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	5 456	5 478	6 014	5 421	5 814	5 242	5 955	5 763	5 581	
Petroleum products	-2 192	-1 973	-2 581	-2 199	-2 719	-2 402	-2 850	-2 436	-1 890	
Natural gas	5 884	5 006	4 637	4 365	4 558	3 772	3 879	3 895	4 137	
Nuclear heat	4 733	3 853	4 027	4 050	4 111	4 053	4 028	3 894	3 985	
Renewable energies	809	1 325	1 292	1 359	1 409	1 420	1 576	1 577	1 592	
Non-renewable wastes	50	35	40	44	126	152	191	201	205	
<b>Primary production</b>	6 442	6 009	6 170	6 236	6 413	6 319	6 394	6 234	6 370	
Solid fossil fuels	637	613	602	567	584	579	495	452	446	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	34	16	18	15	13	12	12	10	8	
Natural gas	126	88	103	127	104	84	78	77	117	
Nuclear heat	4 733	3 853	4 027	4 050	4 111	4 053	4 028	3 894	3 985	
Renewable energies	861	1 404	1 387	1 433	1 467	1 441	1 592	1 603	1 615	
Non-renewable wastes	51	34	34	43	134	151	190	198	198	
<b>Net imports</b>	12 338	11 414	11 337	10 199	10 192	9 791	9 776	9 898	11 185	
Solid fossil fuels	3 745	2 952	3 026	3 117	2 781	2 853	2 772	2 683	2 965	
Crude oil	5 336	5 469	6 025	5 381	5 869	5 295	5 910	5 801	5 549	
Gas/Diesel Oil (w/o bio)	-1 345	-1 208	-1 569	-1 275	-1 449	-1 227	-1 562	-1 364	-1 005	
Motor Gasoline (w/o bio)	-932	-673	-878	-798	-876	-789	-980	-923	-892	
Naphtha	31	10	0	-32	-118	-106	-75	-30	-24	
LPG	75	44	36	35	-18	-24	-22	-22	-12	
All other oil & petroleum products	14	-193	-151	-107	-285	-237	-148	-67	-15	
Natural gas	5 735	5 003	4 860	3 921	4 345	3 954	3 687	3 617	4 368	
<b>Transformation input</b>	18 729	17 338	17 840	16 863	17 742	16 124	17 089	16 801	16 992	
Electricity & heat generation	8 382	7 243	7 357	7 395	7 346	6 832	6 914	6 781	6 924	
Refinery intake	6 300	6 158	6 732	5 939	6 617	5 761	6 505	6 292	6 178	
Coke ovens	1 649	1 504	1 455	1 411	1 397	1 436	1 517	1 518	1 462	
Blast furnaces	1 508	1 543	1 370	1 463	1 491	1 561	1 447	1 514	1 598	
<b>Transformation output</b>	13 679	12 716	13 199	12 037	12 998	11 704	12 476	12 287	12 435	
Electricity & heat generation	3 960	3 556	3 509	3 496	3 495	3 187	3 189	3 223	3 287	
Refinery output	6 413	6 013	6 581	5 787	6 496	5 830	6 370	6 136	6 101	
Coke ovens	1 623	1 457	1 428	1 383	1 352	1 363	1 448	1 444	1 391	
Blast furnaces	587	629	575	563	564	602	577	609	642	
<b>Energy sector</b>	1 593	1 289	1 271	1 199	1 233	1 289	1 220	1 218	1 286	
<b>Distribution losses</b>	330	289	230	292	229	280	363	336	328	
<b>Available for final consumption</b>	11 685	11 470	11 010	10 197	10 508	9 732	10 025	10 228	11 037	
Solid fossil fuels	697	808	832	580	590	558	522	444	493	
Manufactured gases	418	416	404	380	380	414	401	428	434	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	1 131	1 548	1 512	1 469	1 447	1 424	1 367	1 537	1 873	
Motor Gasoline (w/o bio)	672	601	572	558	566	555	578	610	609	
Naphtha	425	406	400	260	275	269	214	250	267	
LPG	163	109	115	122	124	113	130	126	148	
All other oil & petroleum products	621	393	387	397	322	304	409	355	404	
Natural gas	4 294	3 702	3 316	3 141	3 387	2 756	2 866	2 902	3 135	
Primary solid biofuels & charcoal	314	423	424	320	292	367	445	388	394	
Liquid biofuels	11	98	98	91	99	134	144	145	149	
All other renewable energies	4	20	29	29	17	11	46	41	55	
Non-renewable wastes	20	21	21	28	110	141	174	182	187	
Electricity	1 965	2 075	2 133	2 058	2 157	2 077	2 096	2 148	2 219	
Heat	951	851	767	763	743	610	632	670	669	
<b>Statistical difference</b>	-2	46	52	34	28	63	39	24	35	
<b>Final non-energy consumption</b>	1 285	1 053	1 226	965	1 067	928	1 047	978	1 099	
<b>Final energy consumption</b>	10 402	10 371	9 733	9 198	9 412	8 740	8 940	9 226	9 903	
Industry	3 591	3 224	3 255	3 234	3 115	3 242	3 333	3 309	3 452	
Transport	2 355	2 595	2 597	2 300	2 309	2 176	2 169	2 430	2 773	
Other sectors	4 457	4 552	3 880	3 665	3 989	3 322	3 438	3 487	3 678	
Services	1 751	2 105	1 602	1 451	1 711	1 233	1 300	1 308	1 427	
Households	2 540	2 312	2 121	2 070	2 147	1 952	1 988	2 030	2 109	

Source: Eurostat (nrg\_bal\_c)

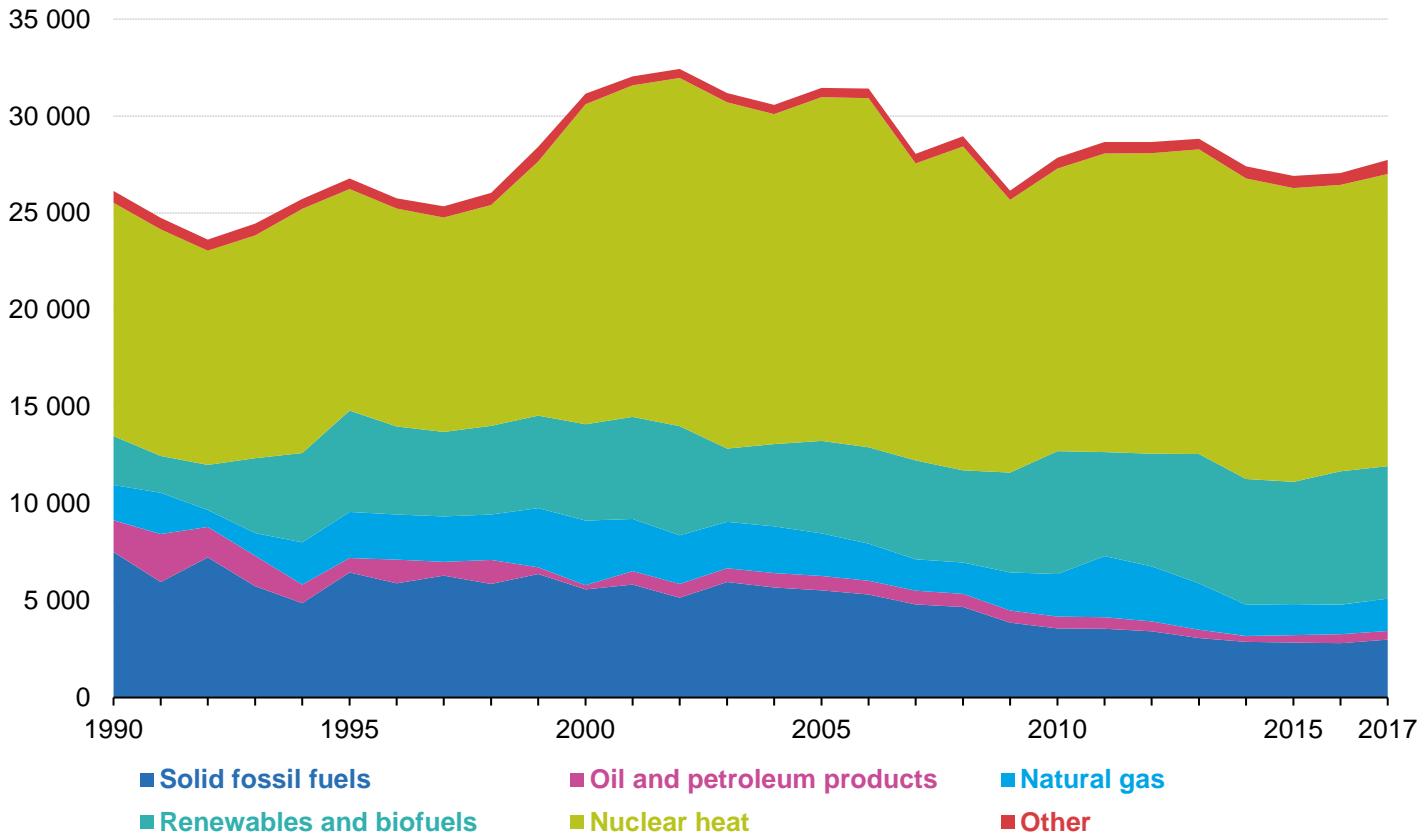
# Slovak Republic

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

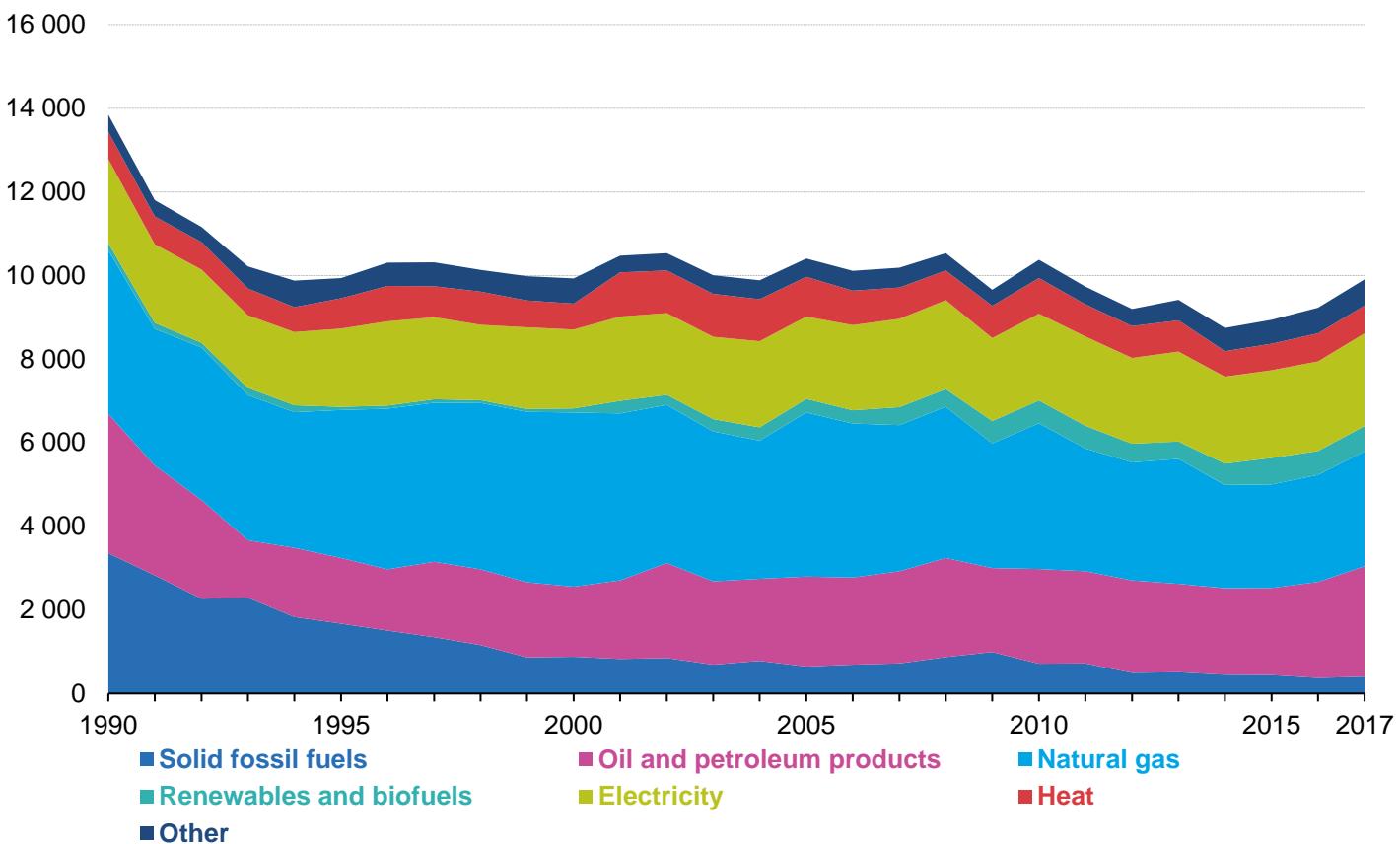


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

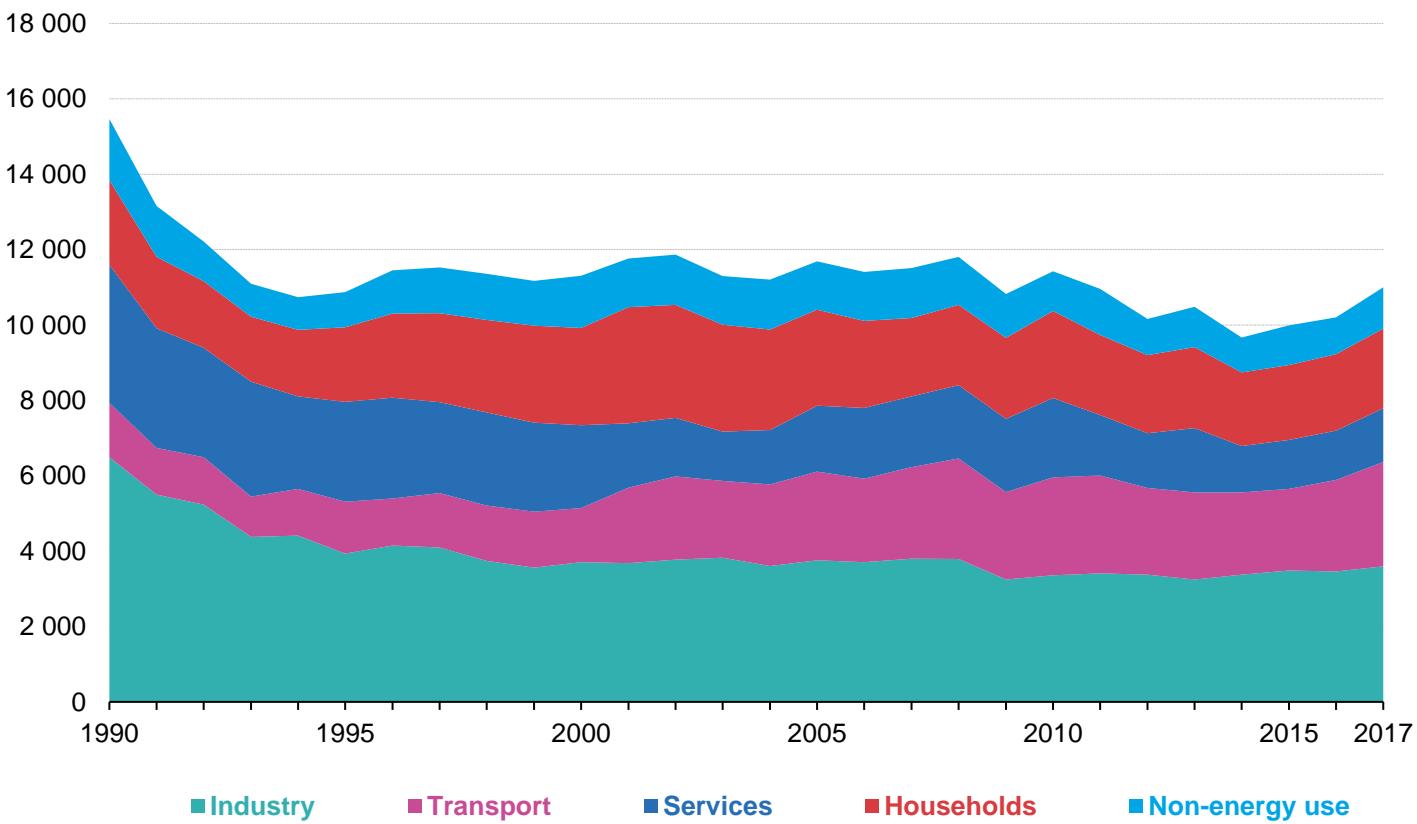
# Slovak Republic

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Finland ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	18 067.4	0.0	Z	730.9	0.0	0.0	0.0	11 656.8	289.6	5 390.1	Z	Z
+ Recovered & recycled products	14.1	0.0	Z	0.0	0.0	14.1	Z	0.0	Z	Z	0.0	Z
+ Imports	24 640.2	2 704.2	0.0	6.2	0.0	17 959.8	1 915.3	145.5	0.0	Z	0.0	1 909.2
- Exports	9 568.6	102.9	0.0	0.0	0.0	9 284.9	0.0	27.9	0.0	Z	0.0	153.0
+ Change in stock	1 117.9	239.3	0.0	546.3	0.0	310.9	21.5	-0.1	0.0	Z	Z	Z
= Gross available energy	<b>34 271.0</b>	<b>2 840.6</b>	<b>0.0</b>	<b>1 283.4</b>	<b>0.0</b>	<b>9 000.0</b>	<b>1 936.8</b>	<b>11 774.3</b>	<b>289.6</b>	<b>5 390.1</b>	<b>0.0</b>	<b>1 756.2</b>
- International maritime bunkers	354.4	0.0	0.0	0.0	0.0	349.7	4.6	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>33 916.7</b>	<b>2 840.6</b>	<b>0.0</b>	<b>1 283.4</b>	<b>0.0</b>	<b>8 650.2</b>	<b>1 932.2</b>	<b>11 774.3</b>	<b>289.6</b>	<b>5 390.1</b>	<b>0.0</b>	<b>1 756.2</b>
- International aviation	680.5	Z	Z	Z	Z	680.5	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>33 236.2</b>	<b>2 840.6</b>	<b>0.0</b>	<b>1 283.4</b>	<b>0.0</b>	<b>7 969.7</b>	<b>1 932.2</b>	<b>11 774.3</b>	<b>289.6</b>	<b>5 390.1</b>	<b>0.0</b>	<b>1 756.2</b>
<b>Transformation input</b>	<b>35 434.2</b>	<b>3 334.7</b>	<b>160.4</b>	<b>1 079.2</b>	<b>0.0</b>	<b>18 240.1</b>	<b>1 144.0</b>	<b>5 768.8</b>	<b>235.4</b>	<b>5 390.1</b>	<b>45.1</b>	<b>36.5</b>
+ Electricity & heat generation	15 044.8	1 607.9	160.4	1 079.2	0.0	253.2	872.4	5 364.8	235.4	5 390.1	45.1	36.5
+ Coke ovens	830.7	830.7	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	760.5	760.5	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	17 986.9	Z	Z	Z	Z	17 986.9	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	8.6	Z	0.0	Z	Z	0.0	Z	8.6	Z	Z	Z	Z
+ Liquid biofuels blended	395.4	Z	Z	Z	Z	Z	Z	395.4	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	407.4	135.7	0.0	0.0	0.0	0.0	271.7	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>30 127.0</b>	<b>636.5</b>	<b>522.1</b>	<b>0.0</b>	<b>Z</b>	<b>18 162.4</b>	<b>8.6</b>	<b>395.4</b>	<b>Z</b>	<b>Z</b>	<b>4 596.0</b>	<b>5 806.1</b>
+ Electricity & heat generation	10 402.1	Z	Z	Z	Z	Z	Z	Z	Z	Z	4 596.0	5 806.1
+ Coke ovens	812.7	636.5	176.2	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	345.9	0.0	345.9	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	17 918.4	Z	Z	Z	Z	17 918.4	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	8.6	Z	Z	Z	Z	Z	8.6	Z	Z	Z	Z	Z
+ Liquid biofuels blended	395.4	Z	Z	Z	Z	Z	Z	395.4	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	244.0	Z	Z	Z	Z	244.0	Z	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>1 409.4</b>	<b>0.0</b>	<b>190.6</b>	<b>0.0</b>	<b>0.0</b>	<b>657.4</b>	<b>74.4</b>	<b>36.4</b>	<b>0.0</b>	<b>Z</b>	<b>130.8</b>	<b>319.9</b>
+ Own use in electricity & heat genera	213.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	213.6	
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	
+ Coke ovens	77.5	0.0	77.5	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	102.6	0.0	102.6	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	1 005.3	0.0	0.0	0.0	0.0	657.4	74.4	36.4	0.0	Z	130.8	106.3
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	10.4	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Distribution losses</b>	<b>715.3</b>	<b>0.0</b>	<b>48.9</b>	<b>0.0</b>	<b>0.0</b>	<b>21.2</b>	<b>7.1</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>400.2</b>	<b>238.0</b>
<b>Available for final consumption</b>	<b>25 804.2</b>	<b>142.4</b>	<b>122.1</b>	<b>204.2</b>	<b>0.0</b>	<b>7 213.5</b>	<b>715.3</b>	<b>6 364.6</b>	<b>54.2</b>	<b>0.0</b>	<b>4 019.9</b>	<b>6 968.0</b>
<b>Final non-energy consumption</b>	<b>1 437.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 336.0</b>	<b>101.8</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>24 639.9</b>	<b>135.6</b>	<b>122.1</b>	<b>204.2</b>	<b>0.0</b>	<b>6 138.4</b>	<b>633.5</b>	<b>6 364.5</b>	<b>54.2</b>	<b>Z</b>	<b>4 019.3</b>	<b>6 968.1</b>
+ Industry	10 718.9	133.9	122.1	148.8	0.0	1 233.9	568.4	3 881.2	54.2	Z	1 261.3	3 315.2
+ Iron & steel	735.9	23.8	90.2	0.0	0.0	115.7	55.4	0.0	0.0	Z	87.7	363.0
+ Chemical & petrochemical	1 002.3	0.0	0.0	0.0	0.0	286.9	34.1	7.3	11.9	Z	265.4	396.7
+ Non-ferrous metals	243.3	6.2	0.0	0.2	0.0	25.4	1.1	0.0	0.0	Z	47.4	162.9
+ Non-metallic minerals	322.8	46.9	32.0	0.2	0.0	89.1	25.4	27.1	18.7	Z	12.9	70.5
+ Transport equipment	62.0	0.0	0.0	0.0	0.0	10.4	0.6	0.1	0.0	Z	23.0	28.0
+ Machinery	306.6	0.0	0.0	0.0	0.0	29.5	4.5	1.1	0.0	Z	85.9	185.6
+ Mining & quarrying	160.9	0.0	0.0	0.0	0.0	30.0	0.1	0.2	0.0	Z	5.4	125.3
+ Food, beverages & tobacco	414.3	10.8	0.0	0.0	0.0	47.0	16.6	8.1	0.0	Z	165.6	166.1
+ Paper, pulp & printing	6 245.8	46.2	0.0	146.9	0.0	148.3	419.8	3 595.8	22.1	Z	322.8	1 543.8
+ Wood & wood products	582.9	0.0	0.0	1.2	0.0	10.2	0.0	237.3	0.0	Z	195.0	139.1
+ Construction	385.6	0.0	0.0	0.0	0.0	346.9	0.0	0.0	0.0	Z	0.0	38.7
+ Textile & leather	22.1	0.0	0.0	0.0	0.0	1.9	3.6	0.0	0.0	Z	7.1	9.4
+ Not elsewhere specified (industry)	234.6	0.0	0.0	0.2	0.0	92.5	7.1	4.1	1.5	Z	43.1	86.1
+ Transport	4 194.0	0.0	0.0	0.0	0.0	3 727.7	8.7	391.1	0.0	Z	66.5	
+ Rail	85.2	0.0	0.0	0.0	0.0	20.5	Z	0.0	0.0	Z	64.7	
+ Road	3 911.6	Z	Z	Z	Z	3 516.2	4.5	389.1	0.0	Z	1.8	
+ Domestic aviation	64.1	Z	Z	Z	Z	64.1	Z	0.0	Z	Z	Z	
+ Domestic navigation	128.9	0.0	0.0	0.0	0.0	126.9	Z	2.0	0.0	Z	Z	Z
+ Pipeline transport	1.2	Z	Z	Z	Z	0.0	1.2	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	Z	Z	0.0
+ Other	9 727.1	1.8	0.0	55.4	0.0	1 176.7	56.4	2 092.3	0.0	Z	2 758.0	3 586.4
+ Commercial & public services	2 971.5	0.0	0.0	2.4	0.0	265.7	29.1	133.1	0.0	Z	1 023.4	1 517.8
+ Households	5 762.8	0.0	0.0	3.6	0.0	358.7	26.2	1 778.1	0.0	Z	1 660.4	1 935.8
+ Agriculture & forestry	718.8	1.8	0.0	49.5	0.0	350.7	1.0	169.5	0.0	Z	13.4	132.8
+ Fishing	29.8	0.0	0.0	0.0	0.0	29.8	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	244.2	0.0	0.0	0.0	0.0	171.8	0.0	11.5	0.0	Z	60.9	0.0
<b>Statistical differences</b>	<b>-273.6</b>	<b>6.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-260.8</b>	<b>-20.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>-0.1</b>
Gross electricity production	5 771.6	503.6	50.4	238.3	0.0	15.8	283.7	2 706.5	40.6	1 932.7	Z	Z
Gross heat production	4 150.2	771.4	22.6	626.2	0.0	199.1	495.2	1 897.0	137.1	0.0	Z	1.8

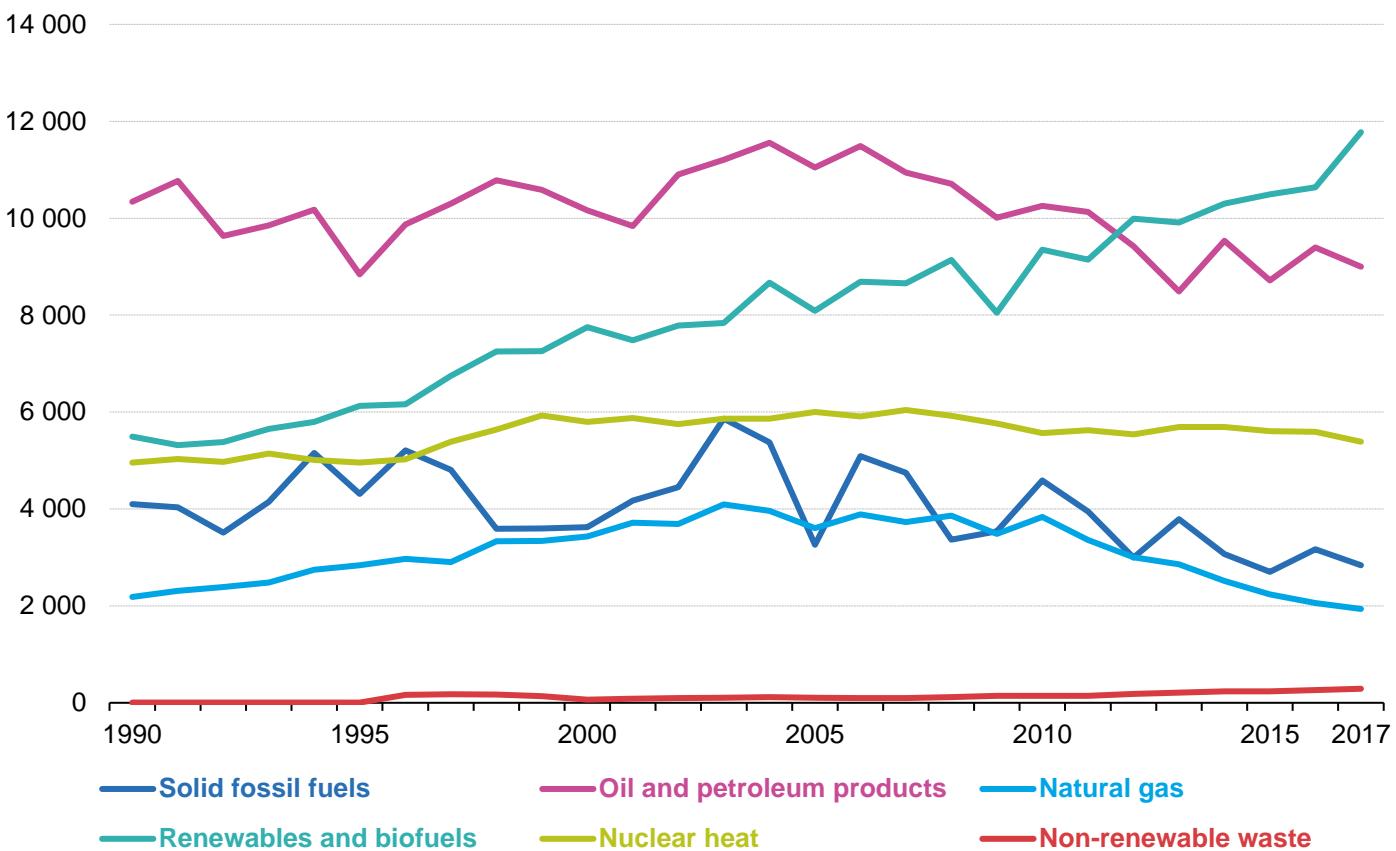
Source: Eurostat (nrg\_bal\_c)

Finland	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	35 223	36 939	35 573	34 194	33 649	34 316	32 779	34 085	34 271	
Solid fossil fuels	3 262	4 587	3 948	2 995	3 788	3 070	2 702	3 168	2 841	
Peat & peat products	1 652	2 291	2 030	1 558	1 350	1 427	1 385	1 346	1 283	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	11 306	11 372	12 012	12 015	11 965	12 273	10 569	12 392	12 908	
Petroleum products	-261	-1 114	-1 884	-2 590	-3 477	-2 740	-1 855	-2 997	-3 908	
Natural gas	3 607	3 837	3 360	3 005	2 856	2 513	2 236	2 059	1 937	
Nuclear heat	6 003	5 565	5 627	5 536	5 694	5 689	5 606	5 590	5 390	
Renewable energies	8 086	9 352	9 144	9 991	9 912	10 303	10 491	10 635	11 774	
Non-renewable wastes	106	146	145	184	209	236	239	263	290	
<b>Primary production</b>	16 561	17 020	16 703	16 756	17 534	17 648	17 079	17 113	18 067	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	2 138	1 808	1 688	992	1 701	1 603	838	720	731	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	150	68	61	71	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	6 003	5 565	5 627	5 536	5 694	5 689	5 606	5 590	5 390	
Renewable energies	8 164	9 433	9 183	9 973	9 930	10 120	10 396	10 539	11 657	
Non-renewable wastes	106	146	145	184	209	236	239	263	290	
<b>Net imports</b>	19 253	18 079	19 210	16 156	16 812	17 228	15 801	15 678	15 072	
Solid fossil fuels	3 326	3 958	4 553	2 600	3 346	3 607	2 498	2 716	2 601	
Crude oil	9 751	10 974	11 245	11 026	11 365	11 480	10 264	11 462	11 222	
Gas/Diesel Oil (w/o bio)	668	-1 107	-405	-780	-940	-1 526	-1 153	-1 945	-2 008	
Motor Gasoline (w/o bio)	-2 103	-2 377	-2 480	-2 495	-2 579	-2 726	-1 954	-2 485	-2 609	
Naphtha	238	463	279	152	93	128	251	252	305	
LPG	242	277	338	313	755	847	857	805	782	
All other oil & petroleum products	2 150	1 234	1 145	796	574	1 156	1 289	1 077	983	
Natural gas	3 607	3 837	3 360	3 005	2 856	2 513	2 236	2 059	1 915	
<b>Transformation input</b>	33 978	38 690	38 090	36 459	37 252	35 568	32 793	35 453	35 434	
Electricity & heat generation	16 333	18 604	16 948	16 236	16 569	15 753	15 100	15 556	15 045	
Refinery intake	13 163	14 525	15 381	14 736	15 003	14 453	12 889	14 896	15 151	
Coke ovens	893	836	850	861	858	867	857	855	831	
Blast furnaces	1 102	921	896	812	715	744	779	789	760	
<b>Transformation output</b>	26 942	31 159	31 164	30 444	30 653	29 526	27 249	29 650	30 127	
Electricity & heat generation	10 351	11 976	10 807	10 823	10 626	10 264	10 137	10 588	10 402	
Refinery output	12 904	14 290	15 207	14 706	14 950	14 464	12 906	14 697	15 121	
Coke ovens	838	780	831	838	826	846	838	839	813	
Blast furnaces	430	351	349	304	323	343	360	367	346	
<b>Energy sector</b>	1 269	1 575	1 620	1 536	1 511	1 447	1 370	1 440	1 409	
<b>Distribution losses</b>	722	717	676	720	645	672	625	676	715	
<b>Available for final consumption</b>	25 264	26 362	25 511	25 184	24 127	25 433	24 303	25 238	25 804	
Solid fossil fuels	394	232	596	82	120	7	262	177	142	
Manufactured gases	149	166	134	119	117	121	135	144	122	
Peat & peat products	225	263	271	228	197	206	224	211	204	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	4 219	4 376	4 385	3 736	3 174	3 883	3 828	4 175	3 951	
Motor Gasoline (w/o bio)	2 107	1 826	1 691	1 763	1 445	1 562	1 460	1 341	1 331	
Naphtha	370	481	359	236	326	283	296	245	240	
LPG	307	415	601	508	1 064	1 070	1 057	1 100	917	
All other oil & petroleum products	1 551	1 052	999	1 505	937	1 336	398	678	775	
Natural gas	844	827	775	727	727	679	631	638	715	
Primary solid biofuels & charcoal	4 200	4 662	4 491	4 679	4 668	4 845	4 820	5 162	5 342	
Liquid biofuels	0	244	183	256	284	531	503	183	397	
All other renewable energies	35	50	55	72	67	66	62	68	626	
Non-renewable wastes	32	35	22	40	53	55	49	51	54	
Electricity	6 958	7 179	6 888	6 941	6 874	6 805	6 747	6 950	6 968	
Heat	3 872	4 554	4 061	4 293	4 075	3 983	3 831	4 114	4 020	
<b>Statistical difference</b>	99	46	622	150	-922	493	-80	-214	-274	
<b>Final non-energy consumption</b>	1 153	1 224	1 128	1 058	1 482	1 519	1 331	1 461	1 438	
<b>Final energy consumption</b>	24 013	25 091	23 762	23 976	23 567	23 421	23 052	23 991	24 640	
Industry	11 124	10 719	10 521	10 236	10 278	10 228	10 214	10 527	10 719	
Transport	4 224	4 305	4 301	4 198	4 210	4 111	4 105	4 178	4 194	
Other sectors	8 666	10 067	8 940	9 542	9 079	9 082	8 733	9 286	9 727	
Services	2 619	3 101	2 866	3 030	2 907	2 890	2 735	2 877	2 972	
Households	5 020	5 871	5 139	5 492	5 173	5 126	4 952	5 342	5 763	

Source: Eurostat (nrg\_bal\_c)

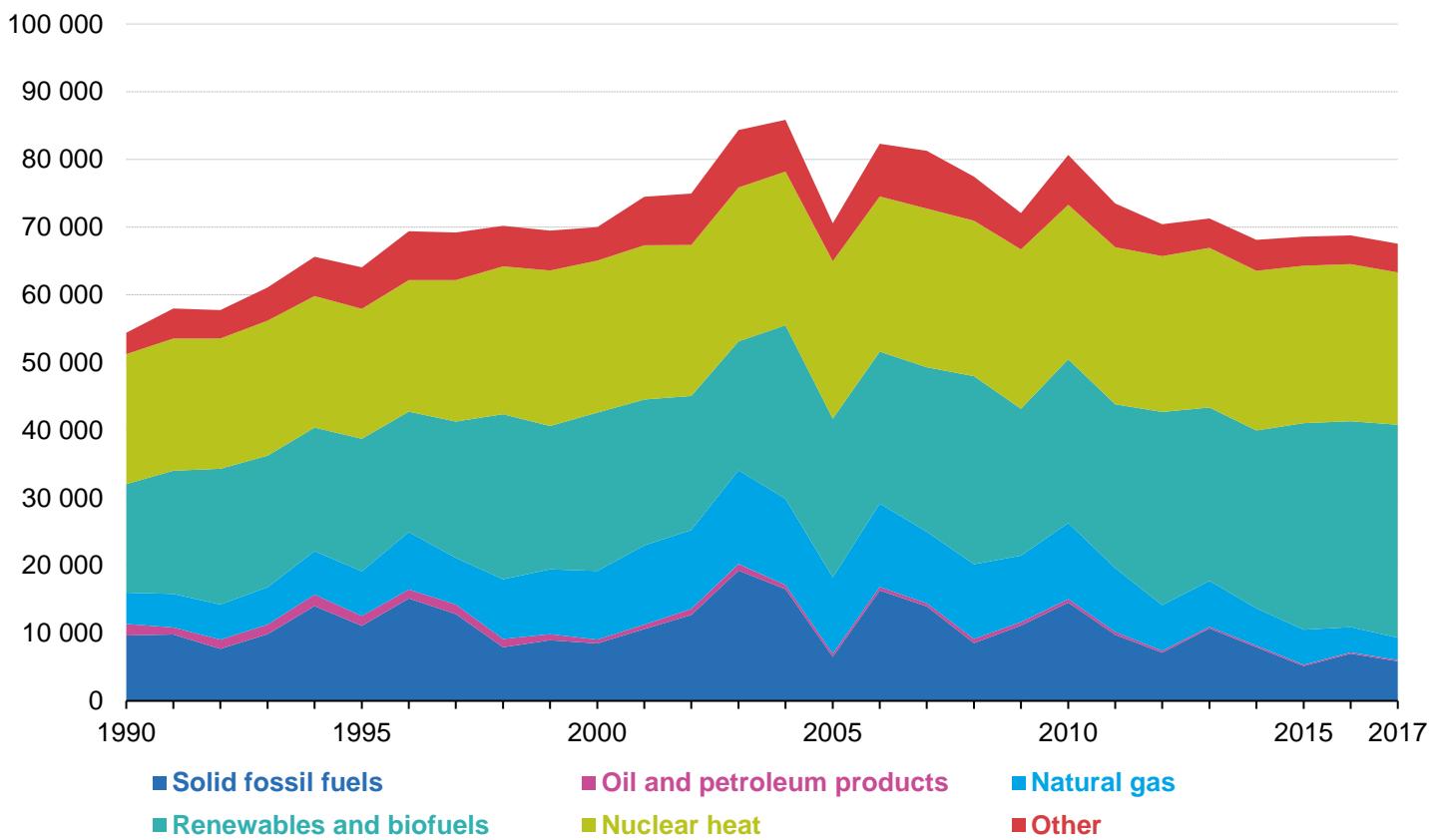
# Finland

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

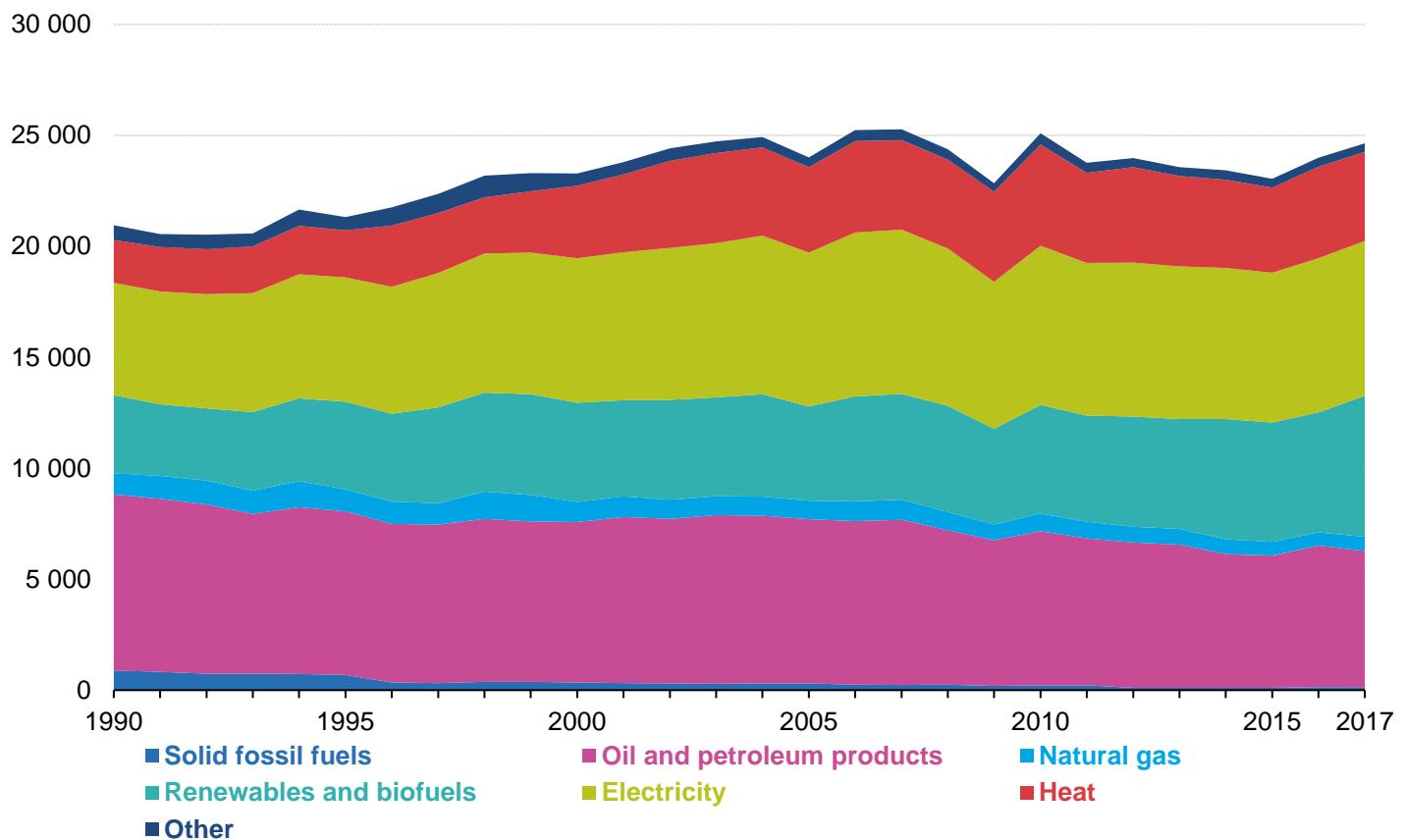


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

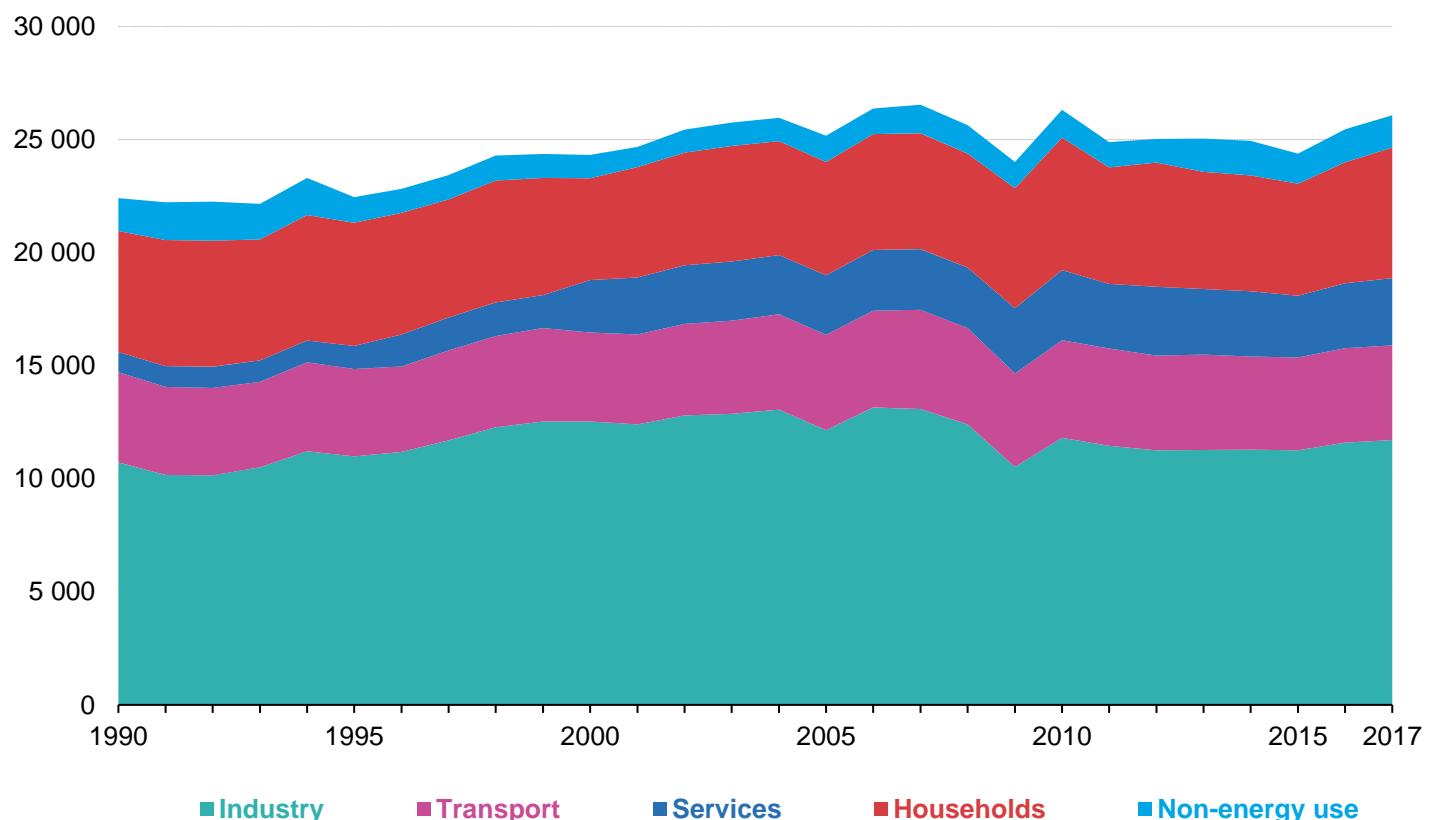
# Finland

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Sweden	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017											
+ Primary production	36 590.4	0.0	Z	112.6	0.0	0.0	0.0	19 389.8	737.0	16 351.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	35 276.8	1 955.2	0.0	22.9	0.0	29 589.5	943.0	1 655.1	88.3	Z	0.0	1 022.9
- Exports	21 236.2	20.1	0.0	0.0	0.0	18 274.7	4.4	280.8	0.4	Z	0.0	2 655.9
+ Change in stock	2 216.7	-24.9	0.0	0.0	0.0	2 081.8	0.0	159.8	0.0	Z	Z	Z
= Gross available energy	<b>52 847.6</b>	<b>1 910.2</b>	<b>0.0</b>	<b>135.4</b>	<b>0.0</b>	<b>13 396.6</b>	<b>938.6</b>	<b>20 923.9</b>	<b>824.9</b>	<b>16 351.0</b>	<b>0.0</b>	<b>-1 633.0</b>
- International maritime bunkers	2 382.0	0.0	0.0	0.0	0.0	2 362.9	19.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>50 465.6</b>	<b>1 910.2</b>	<b>0.0</b>	<b>135.4</b>	<b>0.0</b>	<b>11 033.7</b>	<b>919.6</b>	<b>20 923.9</b>	<b>824.9</b>	<b>16 351.0</b>	<b>0.0</b>	<b>-1 633.0</b>
- International aviation	894.6	Z	Z	Z	Z	894.6	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>49 571.0</b>	<b>1 910.2</b>	<b>0.0</b>	<b>135.4</b>	<b>0.0</b>	<b>10 139.1</b>	<b>919.6</b>	<b>20 923.9</b>	<b>824.9</b>	<b>16 351.0</b>	<b>0.0</b>	<b>-1 633.0</b>
<b>Transformation input</b>	<b>57 065.1</b>	<b>2 233.8</b>	<b>237.3</b>	<b>135.2</b>	<b>0.0</b>	<b>23 257.8</b>	<b>113.7</b>	<b>13 697.2</b>	<b>824.9</b>	<b>16 351.0</b>	<b>0.0</b>	<b>214.1</b>
+ Electricity & heat generation	30 627.0	149.3	237.3	135.2	0.0	104.0	107.0	12 504.2	824.9	16 351.0	0.0	214.1
+ Coke ovens	1 068.4	1 068.4	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	1 016.2	1 016.2	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	6.7	0.0	0.0	0.0	0.0	0.0	6.7	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	23 153.8	Z	Z	Z	Z	23 153.8	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	1 103.3	Z	Z	Z	Z	Z	Z	1 103.3	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	89.8	0.0	0.0	0.0	0.0	0.0	0.0	89.8	0.0	Z	Z	Z
<b>Transformation output</b>	<b>44 085.2</b>	<b>774.6</b>	<b>555.3</b>	<b>0.0</b>	<b>Z</b>	<b>22 993.2</b>	<b>0.0</b>	<b>1 103.3</b>	<b>Z</b>	<b>Z</b>	<b>4 535.9</b>	<b>14 123.0</b>
+ Electricity & heat generation	18 658.8	Z	Z	Z	Z	Z	Z	Z	Z	Z	4 535.9	14 123.0
+ Coke ovens	965.7	774.6	191.1	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	357.5	0.0	357.5	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	22 993.2	Z	Z	Z	Z	22 993.2	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	1 103.3	Z	Z	Z	Z	Z	Z	1 103.3	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	6.7	0.0	6.7	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>1 669.3</b>	<b>0.0</b>	<b>97.9</b>	<b>0.0</b>	<b>0.0</b>	<b>939.1</b>	<b>18.6</b>	<b>18.1</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>595.8</b>
+ Own use in electricity & heat genera	320.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	320.2	
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	
+ Coke ovens	99.7	0.0	97.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	1.8
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	1 046.4	0.0	0.0	0.0	0.0	0.0	939.1	18.6	0.0	0.0	Z	88.7
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	0.0
+ Not elsewhere specified (energy)	203.1	0.0	0.0	0.0	0.0	0.0	0.0	18.1	0.0	Z	0.0	185.0
<b>Distribution losses</b>	<b>927.4</b>	<b>0.0</b>	<b>26.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>162.7</b>	<b>738.2</b>
<b>Available for final consumption</b>	<b>33 994.4</b>	<b>451.0</b>	<b>193.6</b>	<b>0.2</b>	<b>0.0</b>	<b>8 935.4</b>	<b>787.3</b>	<b>8 311.9</b>	<b>0.0</b>	<b>0.0</b>	<b>4 373.1</b>	<b>10 941.9</b>
<b>Final non-energy consumption</b>	<b>2 436.8</b>	<b>15.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 134.0</b>	<b>287.3</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>32 369.6</b>	<b>374.3</b>	<b>181.2</b>	<b>3.4</b>	<b>0.0</b>	<b>7 746.4</b>	<b>511.4</b>	<b>8 238.0</b>	<b>0.0</b>	<b>Z</b>	<b>4 373.1</b>	<b>10 941.9</b>
+ Industry	10 816.5	374.3	176.6	3.4	0.0	826.8	376.1	4 163.4	0.0	Z	516.0	4 380.0
+ Iron & steel	932.0	84.0	167.3	0.0	0.0	209.7	78.9	0.0	0.0	Z	0.0	392.3
+ Chemical & petrochemical	613.4	0.0	0.0	2.6	0.0	88.5	107.5	14.5	0.0	Z	0.0	400.3
+ Non-ferrous metals	326.7	31.4	0.0	0.0	0.0	32.9	6.8	0.0	0.0	Z	0.0	255.5
+ Non-metallic minerals	340.8	151.9	0.0	0.0	0.0	53.2	47.1	0.0	0.0	Z	0.0	88.7
+ Transport equipment	208.2	7.4	0.0	0.0	0.0	22.3	8.6	0.0	0.0	Z	0.0	170.0
+ Machinery	321.8	0.0	0.0	0.0	0.0	19.7	15.8	0.0	0.0	Z	0.0	286.3
+ Mining & quarrying	532.8	93.0	8.6	0.0	0.0	107.9	2.9	0.0	0.0	Z	0.0	320.5
+ Food, beverages & tobacco	360.6	4.0	0.0	0.0	0.0	51.5	73.9	25.0	0.0	Z	0.0	206.1
+ Paper, pulp & printing	5 632.6	2.6	0.0	0.8	0.0	166.1	31.4	3 688.7	0.0	Z	0.0	1 743.1
+ Wood & wood products	600.5	0.0	0.0	0.0	0.0	35.3	0.1	406.0	0.0	Z	0.0	159.2
+ Construction	118.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	118.5
+ Textile & leather	24.6	0.0	0.0	0.0	0.0	3.2	2.0	1.9	0.0	Z	0.0	17.5
+ Not elsewhere specified (industry)	804.0	0.0	0.7	0.0	0.0	36.6	1.2	27.3	0.0	Z	516.0	222.2
+ Transport	8 359.6	0.0	0.0	0.0	0.0	6 497.0	18.4	1 631.3	0.0	Z	Z	212.9
+ Rail	214.9	0.0	0.0	0.0	0.0	2.0	Z	0.0	0.0	Z	Z	212.9
+ Road	7 921.7	Z	Z	Z	Z	6 272.0	18.4	1 631.3	0.0	Z	Z	0.0
+ Domestic aviation	183.7	Z	Z	Z	Z	183.7	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	39.3	0.0	0.0	0.0	0.0	39.3	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	13 193.5	0.0	4.5	0.0	0.0	422.6	116.9	2 443.3	0.0	Z	3 857.1	6 349.0
+ Commercial & public services	4 069.0	0.0	2.3	0.0	0.0	320.6	74.8	65.3	0.0	Z	1 236.0	2 370.0
+ Households	7 507.5	0.0	2.3	0.0	0.0	20.2	36.1	954.4	0.0	Z	2 613.9	3 880.7
+ Agriculture & forestry	318.4	0.0	0.0	0.0	0.0	68.7	6.0	138.1	0.0	Z	7.2	98.4
+ Fishing	13.1	0.0	0.0	0.0	0.0	13.1	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	1 285.5	0.0	0.0	0.0	0.0	0.0	0.0	1 285.5	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>-812.0</b>	<b>61.2</b>	<b>12.4</b>	<b>-3.1</b>	<b>0.0</b>	<b>-945.0</b>	<b>-11.4</b>	<b>73.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production	14 123.0	27.7	60.9	17.1	0.0	24.9	23.3	8 175.7	144.5	5 648.8	Z	Z
Gross heat production	4 427.3	95.5	135.4	72.6	0.0	58.1	76.3	3 419.7	551.1	0.0	Z	18.7

Source: Eurostat (nrg\_bal\_c)

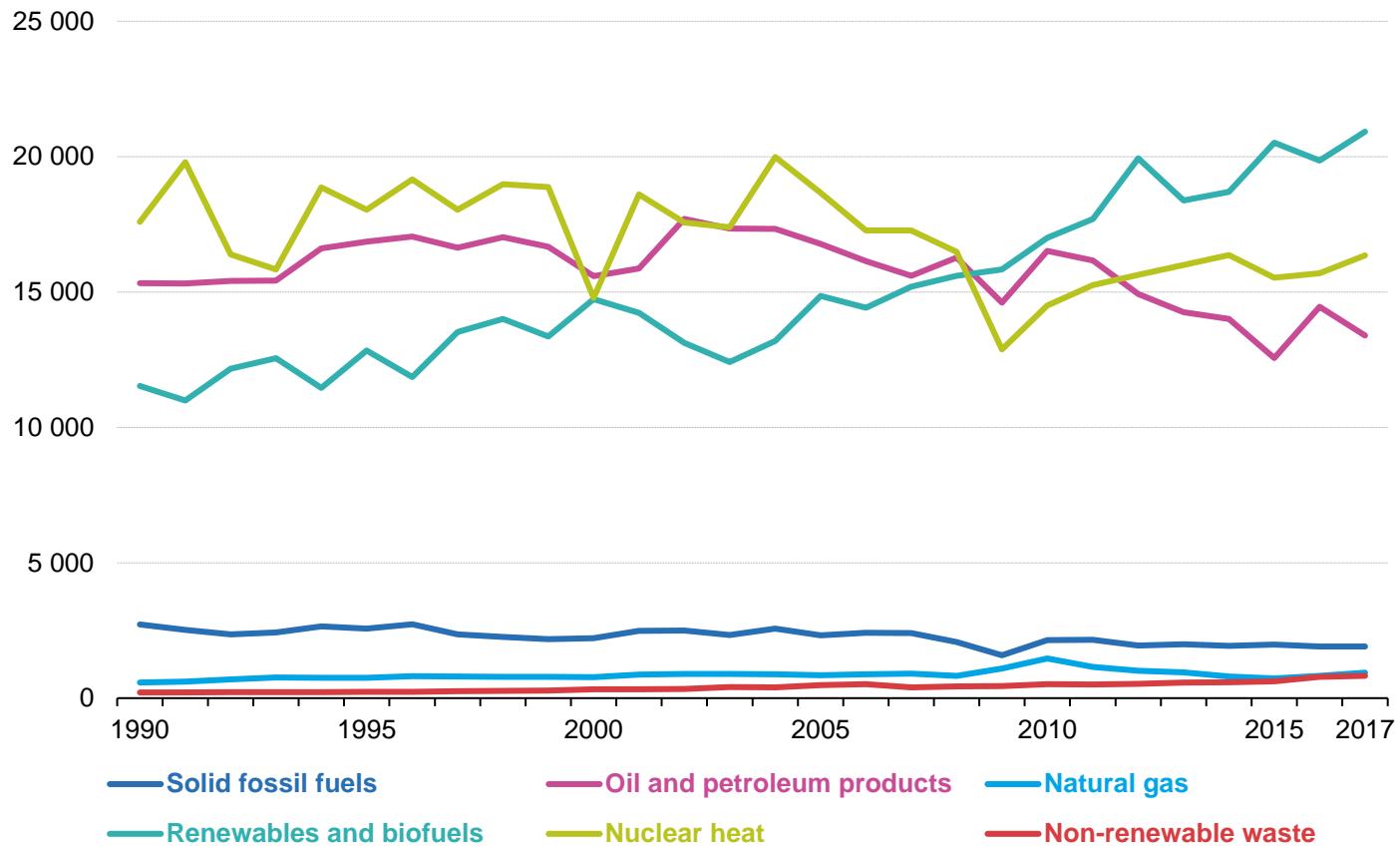
eurostat ■ Energy balance sheets — 2017 data

Sweden	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	53 614	52 666	52 643	52 548	51 519	51 217	50 136	52 662	52 848	
Solid fossil fuels	2 321	2 139	2 160	1 941	1 987	1 933	1 980	1 906	1 910	
Peat & peat products	305	351	331	253	231	168	136	144	135	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	19 937	19 746	18 837	20 775	16 715	18 408	19 497	19 019	19 303	
Petroleum products	-3 160	-3 228	-2 678	-5 842	-2 462	-4 398	-6 935	-4 563	-5 906	
Natural gas	843	1 466	1 159	1 007	955	794	724	818	939	
Nuclear heat	18 670	14 498	15 252	15 632	15 996	16 362	15 532	15 699	16 351	
Renewable energies	14 852	17 001	17 699	19 935	18 385	18 701	20 522	19 861	20 924	
Non-renewable wastes	482	515	505	531	573	592	623	786	825	
<b>Primary production</b>	34 084	32 006	33 320	35 724	34 477	34 918	35 863	35 390	36 590	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	211	238	220	141	186	134	110	127	113	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	18 670	14 498	15 252	15 632	15 996	16 362	15 532	15 699	16 351	
Renewable energies	14 723	16 787	17 391	19 475	17 785	17 903	19 669	18 860	19 390	
Non-renewable wastes	479	483	457	476	510	519	552	704	737	
<b>Net imports</b>	20 311	19 914	19 175	15 808	16 892	16 509	14 690	17 021	14 041	
Solid fossil fuels	2 458	2 433	2 240	1 602	1 783	1 956	1 928	2 206	1 935	
Crude oil	20 239	20 000	18 897	20 788	16 887	18 864	20 251	19 827	19 194	
Gas/Diesel Oil (w/o bio)	-1 992	-2 517	-1 788	-3 101	-1 450	-2 495	-3 059	-2 285	-4 064	
Motor Gasoline (w/o bio)	-134	-291	-889	-1 748	-749	-1 804	-2 289	-1 811	-2 410	
Naphtha	393	282	66	132	57	356	252	173	245	
LPG	505	541	1 054	280	811	806	472	722	655	
All other oil & petroleum products	-1 582	-2 544	-1 403	-2 090	-1 242	-1 496	-2 630	-2 720	-2 306	
Natural gas	843	1 466	1 159	1 007	955	794	724	818	939	
<b>Transformation input</b>	55 507	54 862	52 362	56 650	51 759	54 715	56 916	56 989	57 065	
Electricity & heat generation	31 020	28 710	27 982	30 184	29 120	29 312	29 989	29 415	30 627	
Refinery intake	20 850	21 430	20 116	22 324	18 345	20 491	21 424	21 300	20 906	
Coke ovens	1 352	1 348	1 174	1 058	1 003	1 044	1 133	1 097	1 068	
Blast furnaces	1 322	1 168	1 081	938	971	986	954	1 016	1 016	
<b>Transformation output</b>	40 663	42 839	40 438	44 133	39 096	41 798	44 064	44 233	44 085	
Electricity & heat generation	17 948	18 128	17 195	19 014	17 712	17 509	18 321	18 034	18 659	
Refinery output	20 104	21 073	19 928	21 785	17 850	20 236	21 132	20 839	20 594	
Coke ovens	1 147	986	1 022	930	896	924	992	982	966	
Blast furnaces	436	353	323	317	306	333	319	352	357	
<b>Energy sector</b>	1 325	1 466	1 397	1 517	1 349	1 660	1 628	1 641	1 669	
<b>Distribution losses</b>	1 189	1 190	1 102	1 165	968	791	760	904	927	
<b>Available for final consumption</b>	33 675	35 322	35 742	34 937	34 125	33 390	32 311	34 515	33 994	
Solid fossil fuels	339	159	498	498	438	455	499	456	451	
Manufactured gases	255	139	124	188	198	192	185	192	194	
Peat & peat products	0	1	2	2	1	2	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	4 612	5 516	5 918	5 103	5 324	5 046	4 507	5 666	4 299	
Motor Gasoline (w/o bio)	4 145	3 618	3 442	3 039	2 904	2 894	2 555	2 675	2 191	
Naphtha	622	580	332	385	293	358	255	254	328	
LPG	978	1 020	1 131	916	1 168	1 083	1 070	1 285	1 103	
All other oil & petroleum products	1 962	1 487	1 811	1 582	1 026	977	393	339	1 014	
Natural gas	611	734	662	657	599	594	530	552	787	
Primary solid biofuels & charcoal	4 574	5 211	5 438	5 491	5 272	5 186	5 371	5 376	5 275	
Liquid biofuels	160	335	394	439	450	684	762	882	1 594	
All other renewable energies	6	97	1 140	1 194	1 244	1 238	1 256	1 446	1 443	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	11 238	11 283	10 716	10 945	10 749	10 506	10 736	10 963	10 942	
Heat	4 174	5 141	4 135	4 499	4 456	4 174	4 193	4 430	4 373	
<b>Statistical difference</b>	-745	695	1 962	1 103	899	642	-724	169	-812	
<b>Final non-energy consumption</b>	2 286	2 116	1 932	1 825	2 079	1 977	1 785	2 185	2 437	
<b>Final energy consumption</b>	32 134	32 510	31 848	32 009	31 147	30 771	31 250	32 161	32 370	
Industry	11 757	11 396	11 131	11 052	10 830	10 589	10 896	10 773	10 817	
Transport	7 953	7 834	7 708	7 498	7 397	7 659	7 680	7 992	8 360	
Other sectors	12 424	13 280	13 009	13 460	12 920	12 523	12 674	13 396	13 193	
Services	4 300	4 552	4 027	4 086	3 962	4 040	4 006	4 304	4 069	
Households	7 306	8 035	7 466	7 829	7 479	7 018	7 197	7 462	7 507	

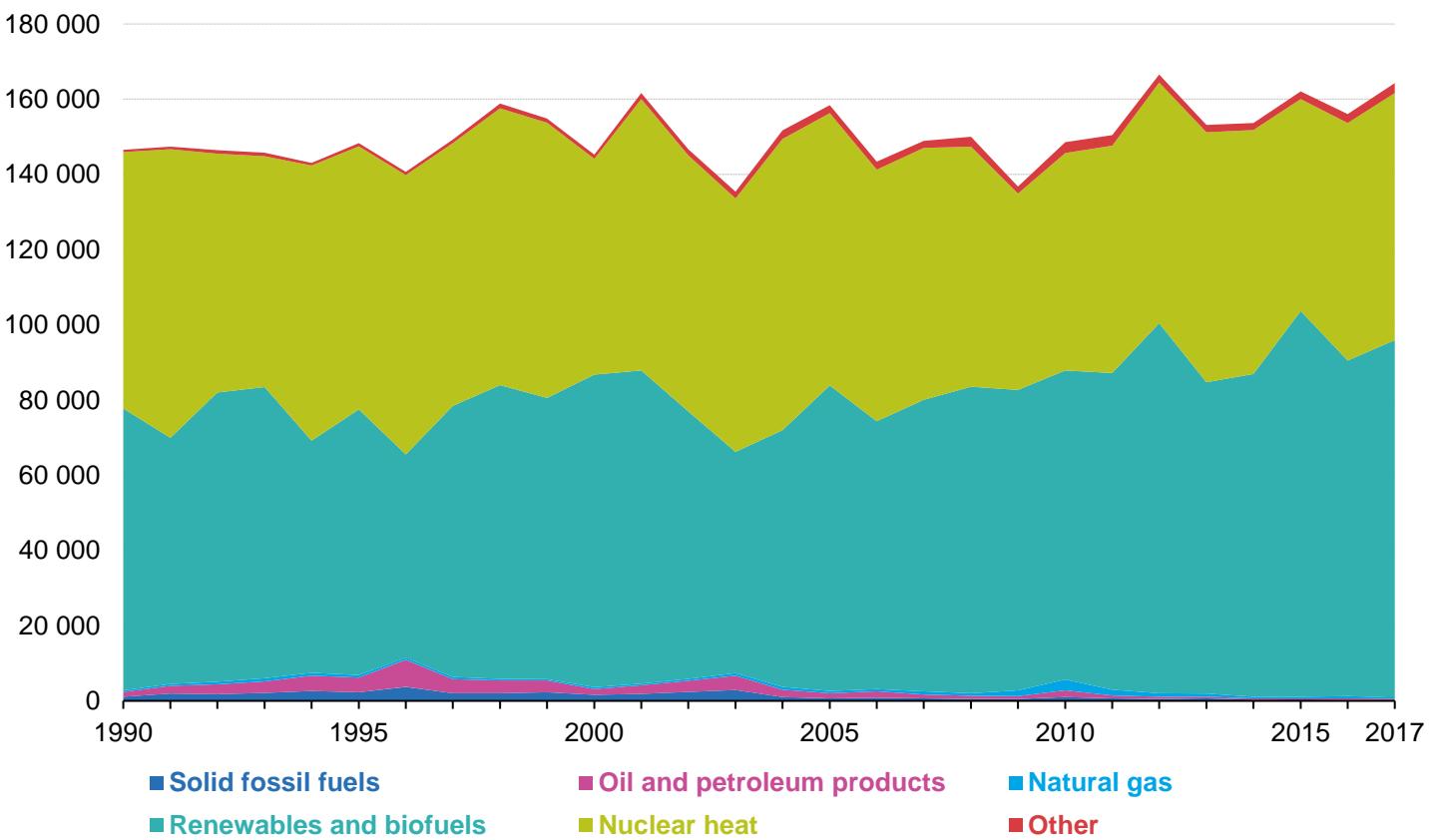
Source: Eurostat (nrg\_bal\_c)

# Sweden

## Gross available energy by fuel, ktoe



## Gross electricity production by fuel, GWh

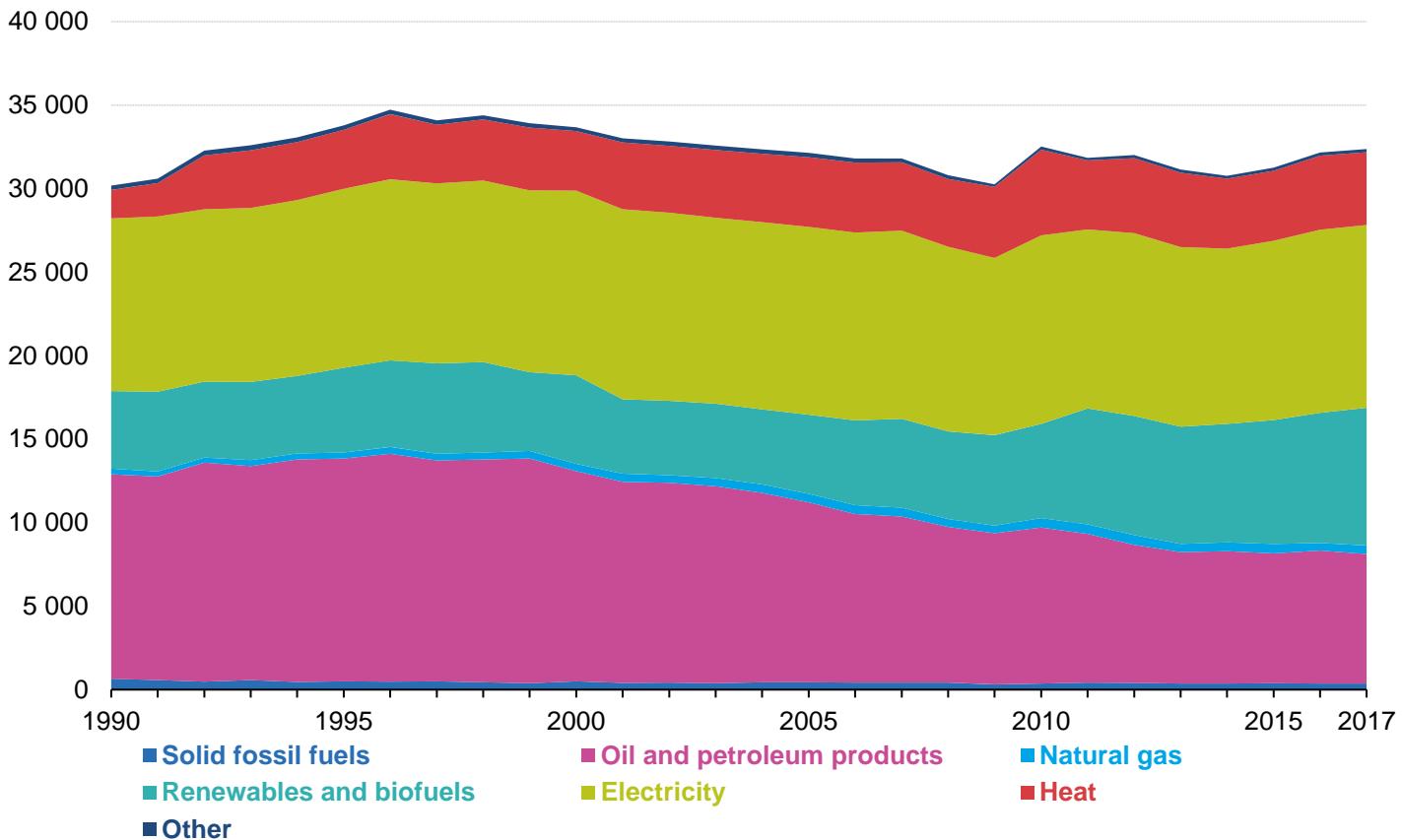


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

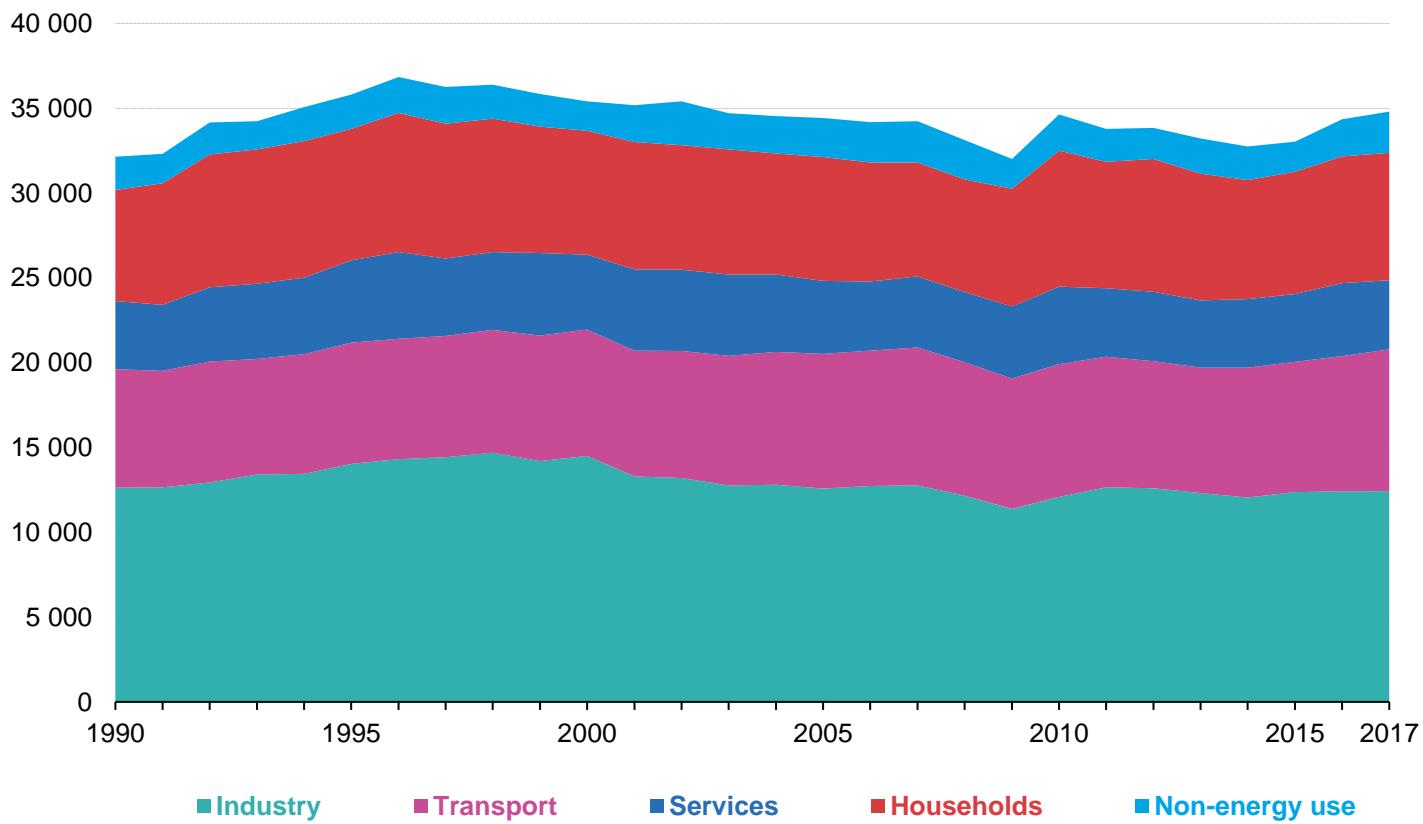
# Sweden

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

United Kingdom ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity	
+ Primary production		118 130.5	1 837.6	Z	0.0	0.0	48 324.2	36 017.0	15 634.8	1 193.0	15 123.8	Z	Z	
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	0.0	Z	
+ Imports		140 570.2	6 225.6	0.0	0.0	0.0	89 598.1	40 181.7	3 002.7	0.0	Z	0.0	1 562.1	
- Exports		74 150.7	364.6	0.0	0.0	0.0	63 824.9	9 284.4	383.9	0.0	Z	0.0	293.0	
+ Change in stock		3 356.5	2 198.8	0.0	0.0	0.0	245.0	925.2	-12.5	0.0	Z	Z	Z	
= Gross available energy		<b>187 906.5</b>	<b>9 897.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>74 342.5</b>	<b>67 839.4</b>	<b>18 241.1</b>	<b>1 193.0</b>	<b>15 123.8</b>	<b>0.0</b>	<b>1 269.1</b>	
- International maritime bunkers		2 441.3	0.0	0.0	0.0	0.0	2 441.3	0.0	0.0	Z	Z	Z	Z	
= Gross inland consumption		<b>185 465.1</b>	<b>9 897.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>71 901.2</b>	<b>67 839.4</b>	<b>18 241.1</b>	<b>1 193.0</b>	<b>15 123.8</b>	<b>0.0</b>	<b>1 269.1</b>	
- International aviation		11 484.0	Z	Z	Z	Z	11 484.0	Z	0.0	Z	Z	Z	Z	
= Total energy supply		<b>173 981.1</b>	<b>9 897.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>60 417.2</b>	<b>67 839.4</b>	<b>18 241.1</b>	<b>1 193.0</b>	<b>15 123.8</b>	<b>0.0</b>	<b>1 269.1</b>	
<b>Transformation input</b>		<b>137 365.3</b>	<b>9 164.3</b>	<b>511.4</b>	<b>0.0</b>	<b>0.0</b>	<b>72 925.7</b>	<b>24 474.9</b>	<b>13 788.4</b>	<b>1 044.9</b>	<b>15 123.8</b>	<b>0.0</b>	<b>331.8</b>	
+ Electricity & heat generation		59 932.4	5 281.9	510.8	0.0	0.0	546.7	24 463.4	12 629.1	1 044.9	15 123.8	0.0	331.8	
+ Coke ovens		1 375.1	1 363.6	0.0	0.0	0.0	0.0	11.5	0.0	Z	Z	Z	Z	
+ Blast furnaces		2 375.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Refineries & petrochemical industry		72 316.4	Z	Z	Z	Z	72 316.4	Z	Z	Z	Z	Z	Z	
+ Patent fuel plants		206.2	143.5	0.0	0.0	0.0	62.7	Z	0.0	0.0	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	
+ For blended natural gas		212.9	Z	0.0	Z	Z	0.0	Z	212.9	Z	Z	Z	Z	
+ Liquid biofuels blended		946.4	Z	Z	Z	Z	Z	Z	946.4	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	
<b>Transformation output</b>		<b>106 431.3</b>	<b>1 162.9</b>	<b>1 141.3</b>	<b>0.0</b>	<b>Z</b>	<b>72 212.9</b>	<b>212.9</b>	<b>946.4</b>	<b>Z</b>	<b>Z</b>	<b>1 663.3</b>	<b>29 091.7</b>	
+ Electricity & heat generation		30 755.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	1 663.3	29 091.7	
+ Coke ovens		1 316.8	1 026.9	289.8	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Blast furnaces		839.5	0.0	839.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Refineries & petrochemical industry		72 212.9	Z	Z	Z	Z	72 212.9	Z	0.0	Z	Z	Z	Z	
+ Patent fuel plants		135.9	135.9	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Blended in natural gas		212.9	Z	Z	Z	Z	Z	212.9	Z	Z	Z	Z	Z	
+ Liquid biofuels blended		946.4	Z	Z	Z	Z	Z	Z	946.4	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		12.0	0.0	12.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	
<b>Energy sector</b>		<b>11 139.0</b>	<b>0.0</b>	<b>441.1</b>	<b>0.0</b>	<b>0.0</b>	<b>4 045.7</b>	<b>4 412.9</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>336.6</b>	<b>1 902.7</b>	
+ Own use in electricity & heat genera		1 280.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	1 280.9		
+ Coal mines		46.2	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	Z	0.0	40.6	
+ Oil & natural gas extraction plants		4 545.1	Z	Z	Z	Z	674.2	3 819.5	0.0	Z	Z	0.0	51.3	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Coke ovens		191.3	0.0	168.5	0.0	0.0	0.0	22.7	0.0	0.0	Z	0.0	0.0	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Blast furnaces		290.6	0.0	272.6	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	18.0	
+ Petroleum refineries (oil refineries)		4 166.5	0.0	0.0	0.0	0.0	0.0	3 371.5	82.9	0.0	0.0	Z	336.6	375.5
+ Nuclear industry		2.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	2.5	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0	
+ Liquefaction & regasification plants		91.7	Z	Z	Z	Z	Z	91.7	Z	Z	Z	0.0	0.0	
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Not elsewhere specified (energy)		524.2	0.0	0.0	0.0	0.0	0.0	390.4	0.0	0.0	Z	0.0	133.8	
<b>Distribution losses</b>		<b>2 877.7</b>	<b>0.0</b>	<b>107.9</b>	<b>0.0</b>	<b>0.0</b>	<b>521.9</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>2 247.9</b>		
<b>Available for final consumption</b>		<b>129 030.5</b>	<b>1 896.0</b>	<b>80.9</b>	<b>0.0</b>	<b>0.0</b>	<b>55 658.6</b>	<b>38 642.6</b>	<b>5 399.1</b>	<b>148.1</b>	<b>0.0</b>	<b>1 326.6</b>	<b>25 878.4</b>	
<b>Final non-energy consumption</b>		<b>7 482.7</b>	<b>45.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 053.8</b>	<b>383.5</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		
<b>Final energy consumption</b>		<b>121 221.5</b>	<b>1 704.6</b>	<b>79.1</b>	<b>0.0</b>	<b>0.0</b>	<b>48 795.9</b>	<b>37 913.3</b>	<b>5 399.7</b>	<b>148.1</b>	<b>Z</b>	<b>1 326.6</b>	<b>25 854.1</b>	
+ Industry		22 745.2	1 133.5	79.1	0.0	0.0	4 046.8	7 767.0	944.7	84.3	Z	722.6	7 967.2	
+ Iron & steel		843.3	231.4	79.1	0.0	0.0	4.3	298.2	0.0	0.0	Z	0.0	230.2	
+ Chemical & petrochemical		3 353.9	42.7	0.0	0.0	0.0	107.9	1 573.2	4.6	0.0	Z	289.2	1 336.3	
+ Non-ferrous metals		633.0	20.1	0.0	0.0	0.0	7.4	235.2	0.0	0.0	Z	0.0	370.2	
+ Non-metallic minerals		2 371.0	418.6	0.0	0.0	0.0	164.2	1 100.1	163.8	0.0	Z	0.0	524.2	
+ Transport equipment		1 171.1	33.9	0.0	0.0	0.0	196.7	535.6	0.0	0.0	Z	0.0	404.9	
+ Machinery		2 203.8	10.1	0.0	0.0	0.0	0.0	1 125.4	0.5	0.5	Z	0.0	1 067.3	
+ Mining & quarrying		2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	2.7	
+ Food, beverages & tobacco		2 601.1	48.4	0.0	0.0	0.0	102.9	1 461.7	39.9	0.0	Z	2.9	945.2	
+ Paper, pulp & printing		1 817.6	69.8	0.0	0.0	0.0	29.6	351.7	436.8	0.0	Z	0.0	929.8	
+ Wood & wood products		207.9	0.0	0.0	0.0	0.0	36.9	43.2	82.8	0.0	Z	0.0	45.0	
+ Construction		673.1	3.1	0.0	0.0	0.0	184.1	361.2	0.0	0.0	Z	0.0	124.6	
+ Textile & leather		529.4	39.6	0.0	0.0	0.0	40.6	218.3	0.0	0.0	Z	0.0	231.0	
+ Not elsewhere specified (industry)		6 277.7	215.6	0.0	0.0	0.0	3 172.4	463.1	156.8	83.7	Z	430.5	1 755.6	
+ Transport		41 851.3	10.4	0.0	0.0	0.0	40 495.8	0.0	933.9	0.0	Z	0.0	411.2	
+ Rail		1 030.9	10.4	0.0	0.0	0.0	624.1	Z	0.0	0.0	Z	0.0	396.4	
+ Road		39 082.6	Z	Z	Z	Z	38 133.9	0.0	933.9	0.0	Z	0.0	14.8	
+ Domestic aviation		864.4	Z	Z	Z	Z	864.4	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation		873.4	0.0	0.0	0.0	0.0	873.4	Z	0.0	0.0	Z	Z	Z	
+ Pipeline transport		0.0	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	Z	0.0	
+ Not elsewhere specified (transport)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Other		56 625.0	560.8	0.0	0.0	0.0	4 253.3	30 146.3	3 521.1	63.8	Z	604.0	17 475.7	
+ Commercial & public services		17 108.7	21.5	0.0	0.0	0.0	1 173.8	6 281.7	1 202.3	57.2	Z	331.9	8 040.3	
+ Households		37 082.9	534.4	0.0	0.0	0.0	2 343.3	22 986.4	1 877.5	6.7	Z	272.1	9 062.4	
+ Agriculture & forestry		1 157.4	0.0	0.0	0.0	0.0	337.5	98.9	441.2	0.0	Z	0.0	279.7	
+ Fishing		201.1	0.0	0.0	0.0	0.0	107.8	0.0	0.0	0.0	Z	0.0	93.2	
+ Not elsewhere specified (other)		1 074.9	4.9	0.0	0.0	0.0	290.8	779.3	0.0	0.0	Z	0.0	0.0	
<b>Statistical differences</b>		<b>326.2</b>	<b>146.0</b>	<b>1.8</b>	<b>0.0</b>	<b>0.0</b>	<b>-191.1</b>	<b>345.9</b>	<b>-0.6</b>	<b>-0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>24.3</b>	
Gross electricity production		29 091.7	1 937.3	64.8	0.0	0.0	138.8	11 758.0	8 787.9	357.1	6 047.8	Z	Z	
Gross heat production		1 663.3	2.4	0.7	0.0	0.0	32.5	1 523.5	92.5	11.7	0.0	Z	0.0	

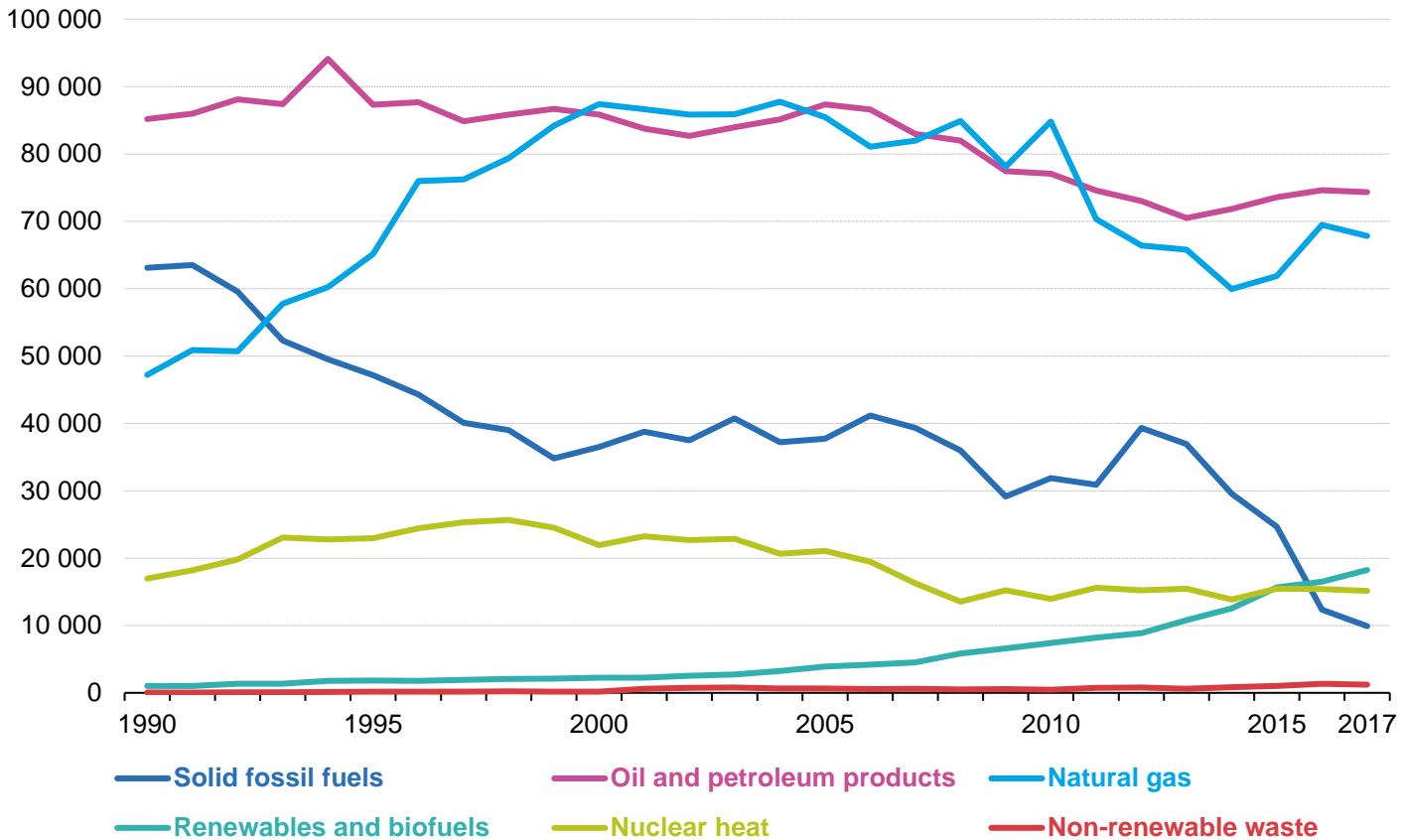
Source: Eurostat (nrg\_bal\_c)

United Kingdom	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	236 864	215 795	200 886	204 604	201 321	190 352	194 070	191 233	187 906	
Solid fossil fuels	37 729	31 874	30 889	39 326	36 933	29 588	24 670	12 350	9 897	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	92 728	78 688	79 745	76 351	68 885	64 735	64 723	63 510	64 068	
Petroleum products	-5 395	-1 599	-5 166	-3 352	1 602	7 086	8 836	11 110	10 275	
Natural gas	85 473	84 817	70 343	66 385	65 784	59 940	61 885	69 487	67 839	
Nuclear heat	21 054	13 947	15 626	15 206	15 443	13 850	15 479	15 414	15 124	
Renewable energies	3 905	7 378	8 175	8 870	10 813	12 533	15 657	16 490	18 241	
Non-renewable wastes	656	461	739	798	620	855	1 007	1 346	1 193	
<b>Primary production</b>	204 839	145 980	127 207	113 230	106 698	105 350	116 363	118 003	118 130	
Solid fossil fuels	11 779	10 528	10 552	9 639	7 516	6 924	5 115	2 501	1 838	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	88 467	65 450	53 997	46 276	42 223	41 500	47 049	49 293	48 324	
Natural gas	79 397	49 786	39 624	33 699	31 797	32 185	34 962	35 892	36 017	
Nuclear heat	21 054	13 947	15 626	15 206	15 443	13 850	15 479	15 414	15 124	
Renewable energies	3 486	5 808	6 669	7 611	9 098	10 035	12 751	13 556	15 635	
Non-renewable wastes	656	461	739	798	620	855	1 007	1 346	1 193	
<b>Net imports</b>	31 653	62 598	74 212	88 772	96 148	89 033	72 775	68 235	66 419	
Solid fossil fuels	27 264	16 046	19 657	27 014	31 328	26 487	14 593	6 079	5 861	
Crude oil	3 454	10 888	22 130	26 134	20 653	19 027	13 207	9 106	10 184	
Gas/Diesel Oil (w/o bio)	-1 432	1 966	1 278	3 349	4 934	7 669	10 513	12 080	11 768	
Motor Gasoline (w/o bio)	-4 565	-6 139	-6 524	-7 336	-6 810	-5 514	-6 883	-7 705	-8 019	
Naphtha	-1 932	-756	-696	-320	288	292	594	957	970	
LPG	-578	-406	-687	-937	-806	-476	-186	-145	-283	
All other oil & petroleum products	2 334	5 298	4 493	5 882	9 616	9 302	9 761	11 094	11 154	
Natural gas	5 973	33 901	32 521	32 707	33 938	27 939	26 470	32 338	30 897	
<b>Transformation input</b>	193 083	169 708	168 276	164 837	158 002	148 353	145 464	139 707	137 365	
Electricity & heat generation	86 255	76 816	74 572	75 555	72 992	66 990	64 992	61 623	59 932	
Refinery intake	89 351	76 681	78 274	74 815	67 896	63 592	63 500	62 421	62 252	
Coke ovens	4 111	3 955	3 835	3 590	3 824	3 606	2 681	1 342	1 375	
Blast furnaces	3 932	2 808	2 604	2 824	3 662	3 644	3 433	2 508	2 375	
<b>Transformation output</b>	139 035	123 658	123 641	119 231	114 145	108 318	108 482	106 890	106 431	
Electricity & heat generation	35 618	34 213	33 029	32 681	32 159	30 512	30 727	30 803	30 755	
Refinery output	88 593	75 351	77 077	74 127	67 596	62 673	63 160	62 204	62 165	
Coke ovens	3 960	3 685	3 704	3 429	3 494	3 370	2 572	1 271	1 317	
Blast furnaces	1 393	981	903	1 005	1 339	1 323	1 215	868	839	
<b>Energy sector</b>	16 318	13 338	12 638	12 232	11 596	10 962	11 568	10 898	11 139	
<b>Distribution losses</b>	3 455	3 464	3 319	3 129	3 073	3 101	3 328	2 935	2 878	
<b>Available for final consumption</b>	148 722	139 219	125 794	129 924	129 113	122 534	128 596	130 809	129 030	
Solid fossil fuels	1 826	3 422	2 209	2 691	2 304	2 116	3 202	2 379	1 896	
Manufactured gases	113	178	122	76	83	73	107	84	81	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	26 315	25 704	25 496	26 931	26 687	27 307	28 863	30 074	30 100	
Motor Gasoline (w/o bio)	19 969	15 520	14 914	14 180	13 358	13 148	12 657	12 784	12 498	
Naphtha	2 339	1 013	1 141	1 097	1 105	1 038	1 453	1 345	1 365	
LPG	3 520	3 368	3 384	2 727	2 511	2 739	3 125	3 166	3 040	
All other oil & petroleum products	12 232	10 379	8 300	7 929	7 767	8 545	8 816	8 847	8 656	
Natural gas	50 469	47 151	38 927	42 874	43 270	36 507	38 094	39 257	38 643	
Primary solid biofuels & charcoal	390	1 534	1 396	1 622	2 140	2 186	2 463	2 808	2 917	
Liquid biofuels	69	1 151	1 063	895	1 023	1 168	933	946	933	
All other renewable energies	116	158	206	233	326	360	1 339	1 544	1 549	
Non-renewable wastes	116	90	90	71	139	144	119	127	148	
Electricity	29 981	28 286	27 342	27 377	27 207	26 048	26 122	26 152	25 878	
Heat	1 268	1 266	1 206	1 222	1 192	1 155	1 304	1 297	1 327	
<b>Statistical difference</b>	-360	1 240	-695	544	-1 095	-763	1 124	654	326	
<b>Final non-energy consumption</b>	11 351	7 899	7 649	6 721	6 812	6 702	7 361	7 548	7 483	
<b>Final energy consumption</b>	137 731	130 080	118 840	122 659	123 395	116 594	120 112	122 607	121 221	
Industry	30 518	25 597	23 952	23 613	23 644	22 968	22 868	22 472	22 745	
Transport	43 260	40 437	39 908	39 749	39 492	40 108	40 889	41 787	41 851	
Other sectors	63 953	64 046	54 980	59 297	60 260	53 518	56 355	58 348	56 625	
Services	16 753	16 527	15 240	16 232	16 586	15 524	16 883	17 472	17 109	
Households	44 249	45 513	37 786	40 958	41 458	35 813	37 278	38 499	37 083	

Source: Eurostat (nrg\_bal\_c)

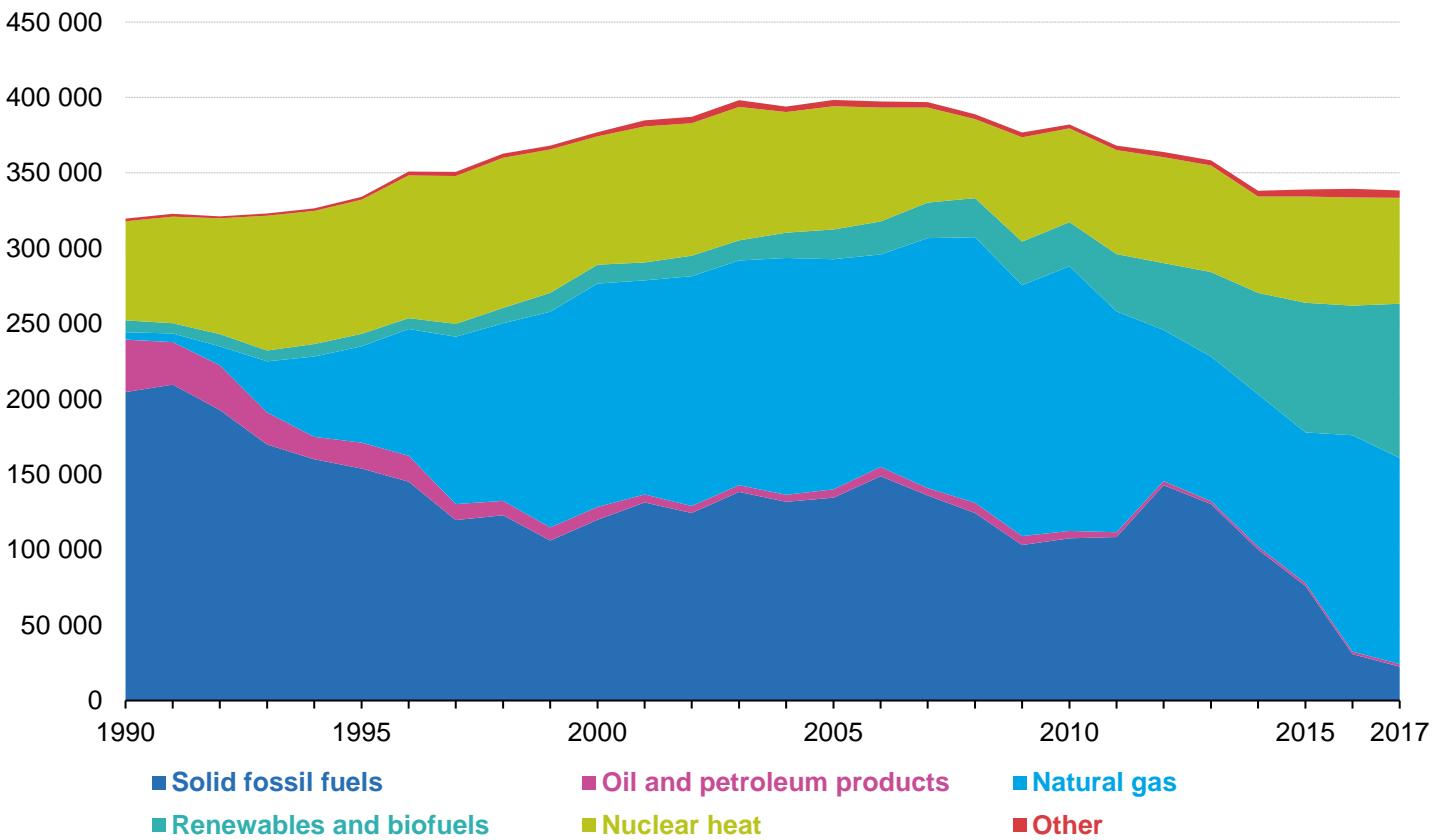
# United Kingdom

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

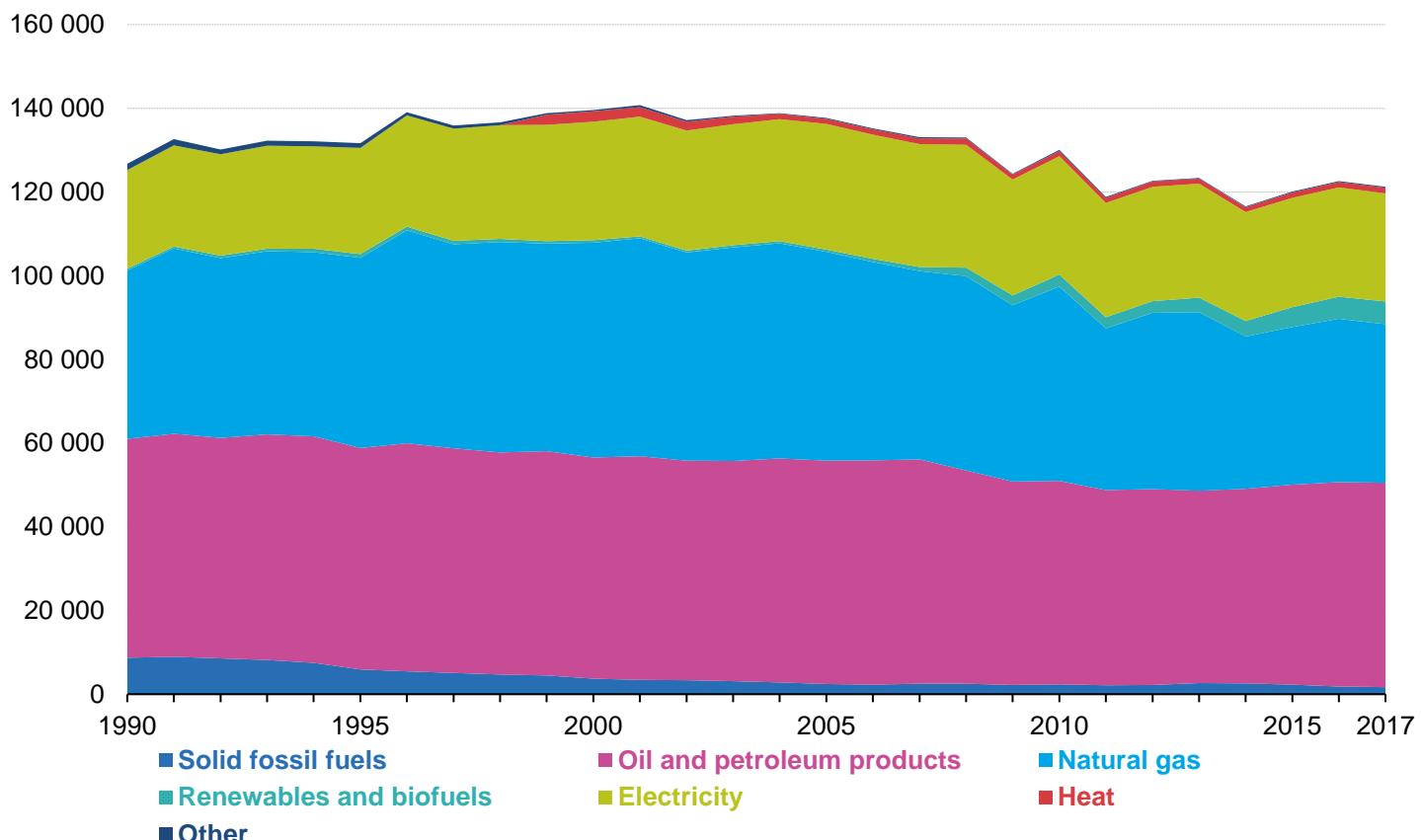


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

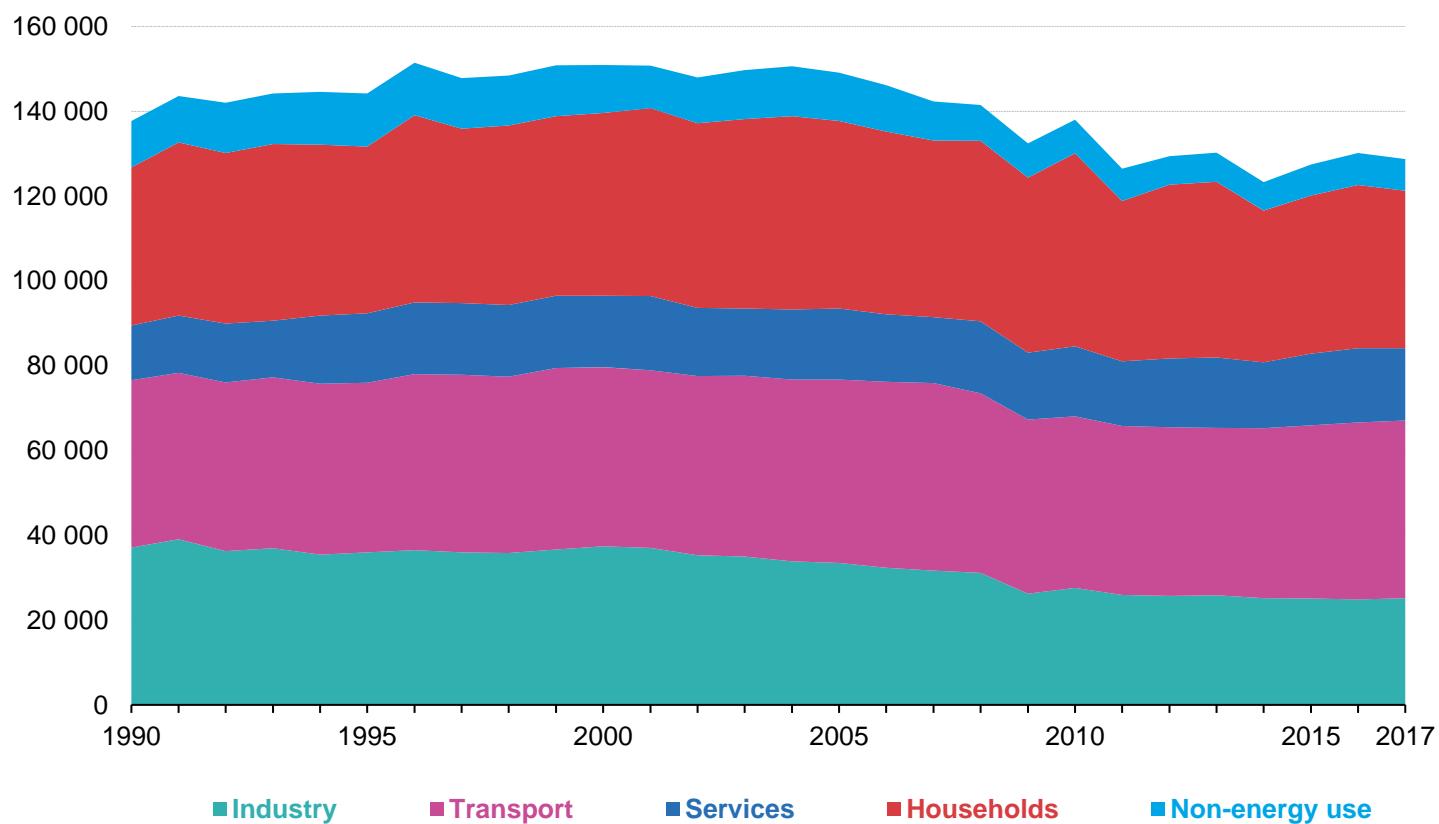
# United Kingdom

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Iceland	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017											
+ Primary production	4 807.5	0.0	Z	0.0	0.0	0.0	0.0	4 807.5	0.0	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	1 106.5	99.2	0.0	0.3	0.0	988.6	0.0	18.4	0.0	Z	0.0	0.0
- Exports	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Change in stock	19.8	0.0	0.0	0.0	0.0	19.8	0.0	0.0	0.0	Z	Z	Z
= Gross available energy	<b>5 933.7</b>	<b>99.2</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>1 008.4</b>	<b>0.0</b>	<b>4 825.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
- International maritime bunkers	60.9	0.0	0.0	0.0	0.0	60.9	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>5 872.9</b>	<b>99.2</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>947.5</b>	<b>0.0</b>	<b>4 825.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
- International aviation	382.2	Z	Z	Z	Z	382.2	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>5 490.7</b>	<b>99.2</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>565.3</b>	<b>0.0</b>	<b>4 825.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Transformation input</b>	<b>4 778.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.2</b>	<b>0.0</b>	<b>4 759.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>16.7</b>
+ Electricity & heat generation	4 762.1	0.0	0.0	0.0	0.0	2.2	0.0	4 743.2	0.0	0.0	0.0	16.7
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	16.7	Z	Z	Z	Z	Z	Z	16.7	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>2 416.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>16.7</b>	<b>Z</b>	<b>Z</b>	<b>745.6</b>	<b>1 654.2</b>
+ Electricity & heat generation	2 399.9	Z	Z	Z	Z	Z	Z	Z	Z	Z	745.6	1 654.2
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	16.7	Z	Z	Z	Z	Z	Z	16.7	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>48.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>48.3</b>	
+ Own use in electricity & heat genera	33.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	33.7
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	14.6
<b>Distribution losses</b>	<b>128.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.7</b>	<b>0.0</b>	<b>Z</b>	<b>71.3</b>	<b>50.8</b>
<b>Available for final consumption</b>	<b>2 951.3</b>	<b>99.2</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>563.2</b>	<b>0.0</b>	<b>75.9</b>	<b>0.0</b>	<b>0.0</b>	<b>674.3</b>	<b>1 538.4</b>
<b>Final non-energy consumption</b>	<b>18.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>18.6</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>2 971.1</b>	<b>102.6</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>568.8</b>	<b>0.0</b>	<b>117.3</b>	<b>0.0</b>	<b>Z</b>	<b>643.6</b>	<b>1 538.4</b>
+ Industry	1 500.8	102.6	0.0	0.3	0.0	44.5	0.0	30.1	0.0	Z	0.0	1 323.2
+ Iron & steel	214.2	102.6	0.0	0.0	0.0	6.6	0.0	17.9	0.0	Z	0.0	87.1
+ Chemical & petrochemical	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	7.2
+ Non-ferrous metals	1 160.5	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	Z	0.0	1 160.0
+ Non-metallic minerals	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	10.7
+ Transport equipment	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.5
+ Machinery	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.9
+ Mining & quarrying	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.2
+ Food, beverages & tobacco	53.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	Z	0.0	49.4
+ Paper, pulp & printing	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	1.3
+ Wood & wood products	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.3
+ Construction	33.5	0.0	0.0	0.0	0.0	30.2	0.0	0.0	0.0	Z	0.0	3.3
+ Textile & leather	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.2
+ Not elsewhere specified (industry)	18.2	0.0	0.0	0.3	0.0	3.7	0.0	12.1	0.0	Z	0.0	2.0
+ Transport	357.2	0.0	0.0	0.0	0.0	333.4	0.0	18.3	0.0	Z	Z	5.5
+ Rail	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	0.0
+ Road	333.9	Z	Z	Z	Z	315.6	0.0	18.3	0.0	Z	Z	0.0
+ Domestic aviation	7.7	Z	Z	Z	Z	7.7	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	10.2	0.0	0.0	0.0	0.0	10.2	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	5.5
+ Other	1 113.2	0.0	0.0	0.0	0.0	190.9	0.0	68.9	0.0	Z	643.6	209.8
+ Commercial & public services	399.3	0.0	0.0	0.0	0.0	0.3	0.0	37.9	0.0	Z	246.7	114.5
+ Households	423.6	0.0	0.0	0.0	0.0	3.8	0.0	12.1	0.0	Z	337.0	70.8
+ Agriculture & forestry	41.2	0.0	0.0	0.0	0.0	6.2	0.0	5.7	0.0	Z	10.0	19.3
+ Fishing	229.5	0.0	0.0	0.0	0.0	170.4	0.0	13.2	0.0	Z	40.8	5.2
+ Not elsewhere specified (other)	19.4	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	Z	9.1	0.0
<b>Statistical differences</b>	<b>-38.4</b>	<b>-3.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-24.2</b>	<b>0.0</b>	<b>-41.4</b>	<b>0.0</b>	<b>0.0</b>	<b>30.7</b>	<b>0.0</b>
Gross electricity production	1 654.2	0.0	0.0	0.0	0.0	0.2	0.0	1 654.0	0.0	0.0	Z	Z
Gross heat production	745.6	0.0	0.0	0.0	0.0	1.5	0.0	724.5	0.0	0.0	Z	19.6

Source: Eurostat (nrg\_bal\_c)

Iceland	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	3 439	5 602	6 000	5 864	6 091	6 089	5 871	5 663	5 934	
Solid fossil fuels	99	90	91	93	98	87	93	99	99	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Petroleum products	955	721	710	701	709	768	836	943	1 008	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	2 384	4 790	5 199	5 071	5 284	5 235	4 942	4 621	4 826	
Non-renewable wastes	1	0	0	0	0	0	0	0	0	
<b>Primary production</b>	2 384	4 791	5 199	5 071	5 282	5 233	4 928	4 605	4 807	
Solid fossil fuels	0	0	0	0	0	0	0	0	0	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	2 384	4 790	5 199	5 071	5 282	5 233	4 928	4 605	4 807	
Non-renewable wastes	1	0	0	0	0	0	0	0	0	
<b>Net imports</b>	1 074	777	803	803	823	850	964	1 069	1 106	
Solid fossil fuels	99	87	89	97	98	87	93	99	99	
Crude oil	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	429	300	308	287	280	296	351	350	357	
Motor Gasoline (w/o bio)	172	151	152	145	140	140	146	142	144	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	2	3	3	3	3	2	3	3	3	
All other oil & petroleum products	370	235	250	271	298	322	357	458	486	
Natural gas	0	0	0	0	0	0	0	0	0	
<b>Transformation input</b>	2 284	4 700	5 108	4 972	5 180	5 118	4 855	4 626	4 779	
Electricity & heat generation	2 284	4 700	5 108	4 953	5 154	5 116	4 822	4 611	4 762	
Refinery intake	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	1 218	1 982	1 994	2 077	2 129	2 114	2 286	2 429	2 417	
Electricity & heat generation	1 218	1 982	1 994	2 057	2 101	2 112	2 252	2 415	2 400	
Refinery output	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	29	40	43	36	24	43	37	48	48	
<b>Distribution losses</b>	92	125	108	113	103	116	126	135	129	
<b>Available for final consumption</b>	2 050	2 535	2 531	2 614	2 721	2 718	2 866	2 920	2 951	
Solid fossil fuels	99	90	91	93	98	87	93	99	99	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	376	293	273	274	274	295	327	313	333	
Motor Gasoline (w/o bio)	158	156	150	144	142	139	139	143	144	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	2	3	3	3	3	2	3	3	3	
All other oil & petroleum products	216	85	79	73	98	121	94	118	84	
Natural gas	0	0	0	0	0	0	0	0	0	
Primary solid biofuels & charcoal	0	0	0	0	11	10	11	11	16	
Liquid biofuels	0	0	0	0	2	2	14	15	17	
All other renewable energies	108	99	100	127	128	117	107	-6	43	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	671	1 351	1 377	1 414	1 485	1 456	1 511	1 488	1 538	
Heat	420	458	458	485	481	489	567	735	674	
<b>Statistical difference</b>	15	-1	-6	2	3	-36	-3	-84	-38	
<b>Final non-energy consumption</b>	162	18	15	11	11	13	20	18	19	
<b>Final energy consumption</b>	1 873	2 517	2 521	2 600	2 707	2 740	2 849	2 985	2 971	
Industry	739	1 300	1 324	1 359	1 424	1 442	1 460	1 444	1 501	
Transport	229	284	276	270	277	279	301	330	357	
Other sectors	905	933	921	971	1 005	1 019	1 088	1 211	1 113	
Services	272	303	302	325	333	364	397	454	399	
Households	335	378	371	401	399	385	392	475	424	

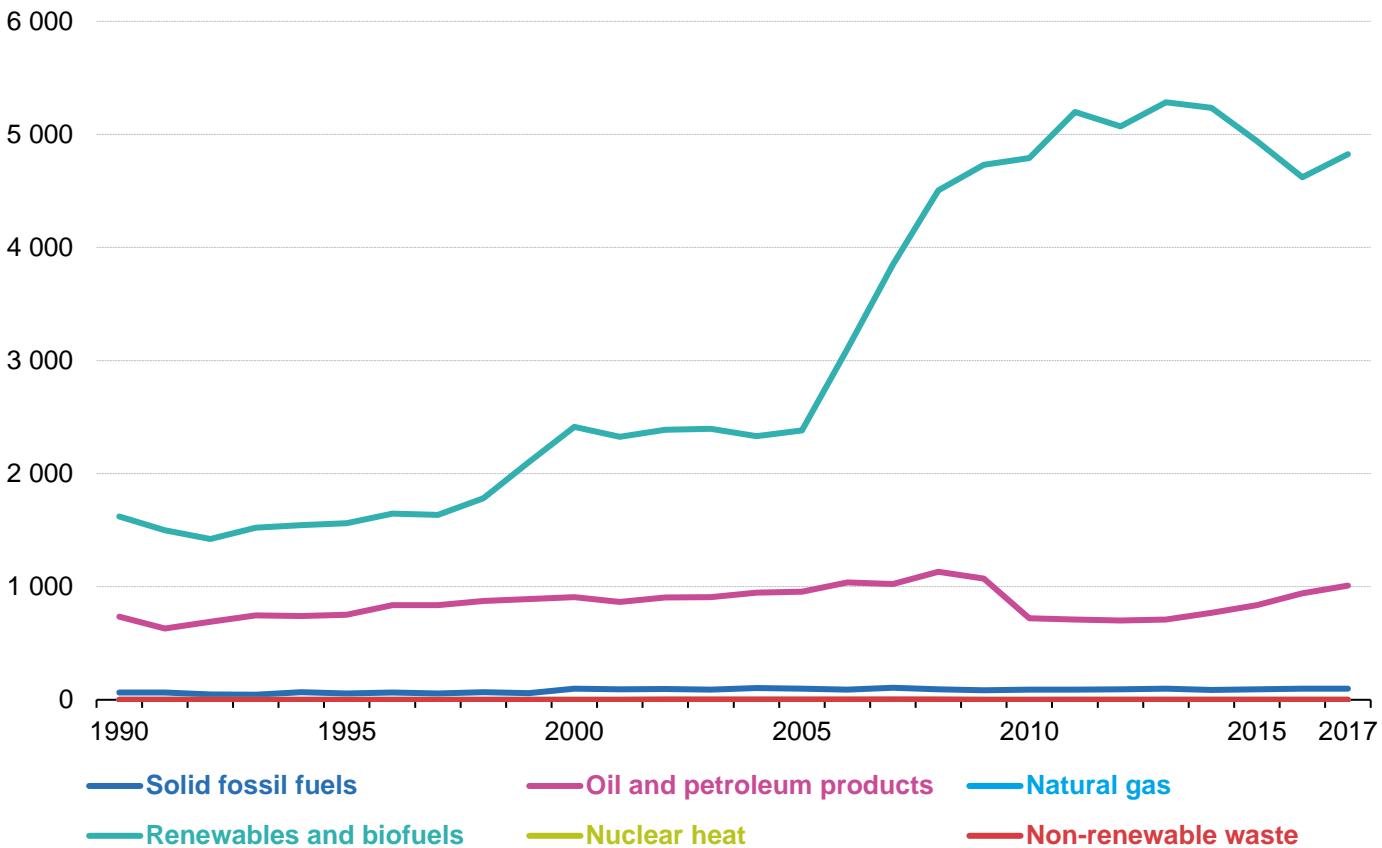
Source: Eurostat (nrg\_bal\_c)

eurostat

Energy balance sheets — 2017 data

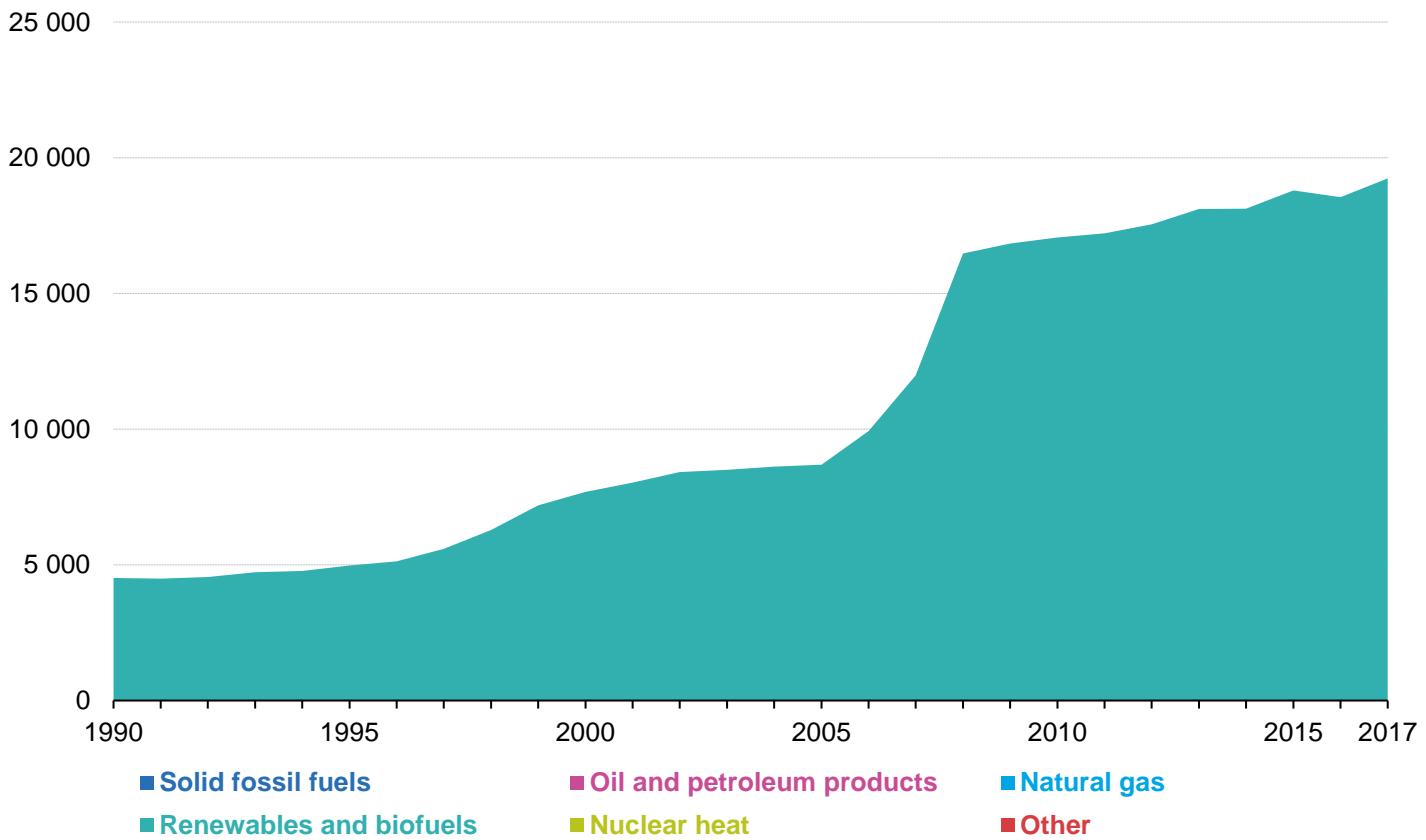
# Iceland

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

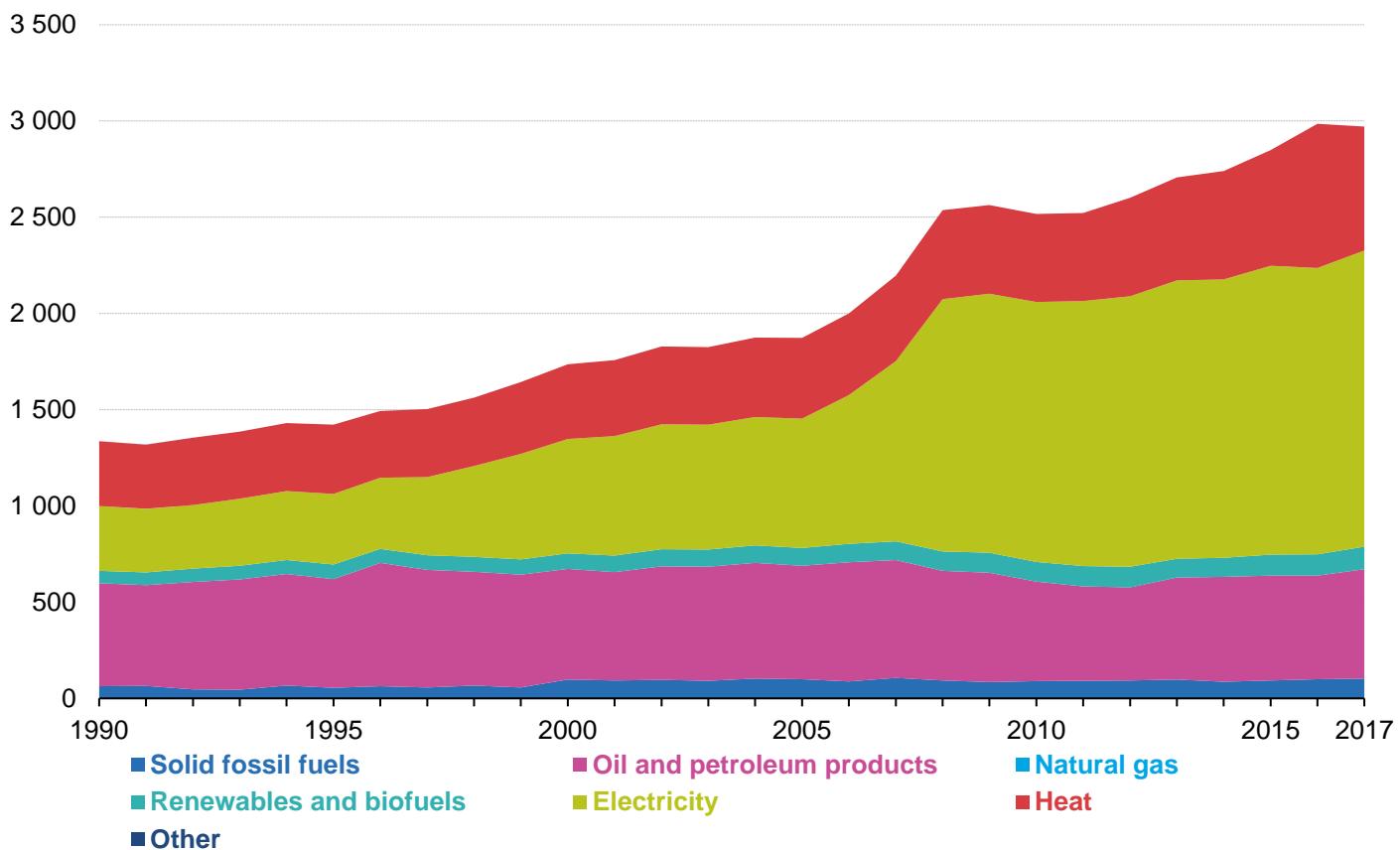


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

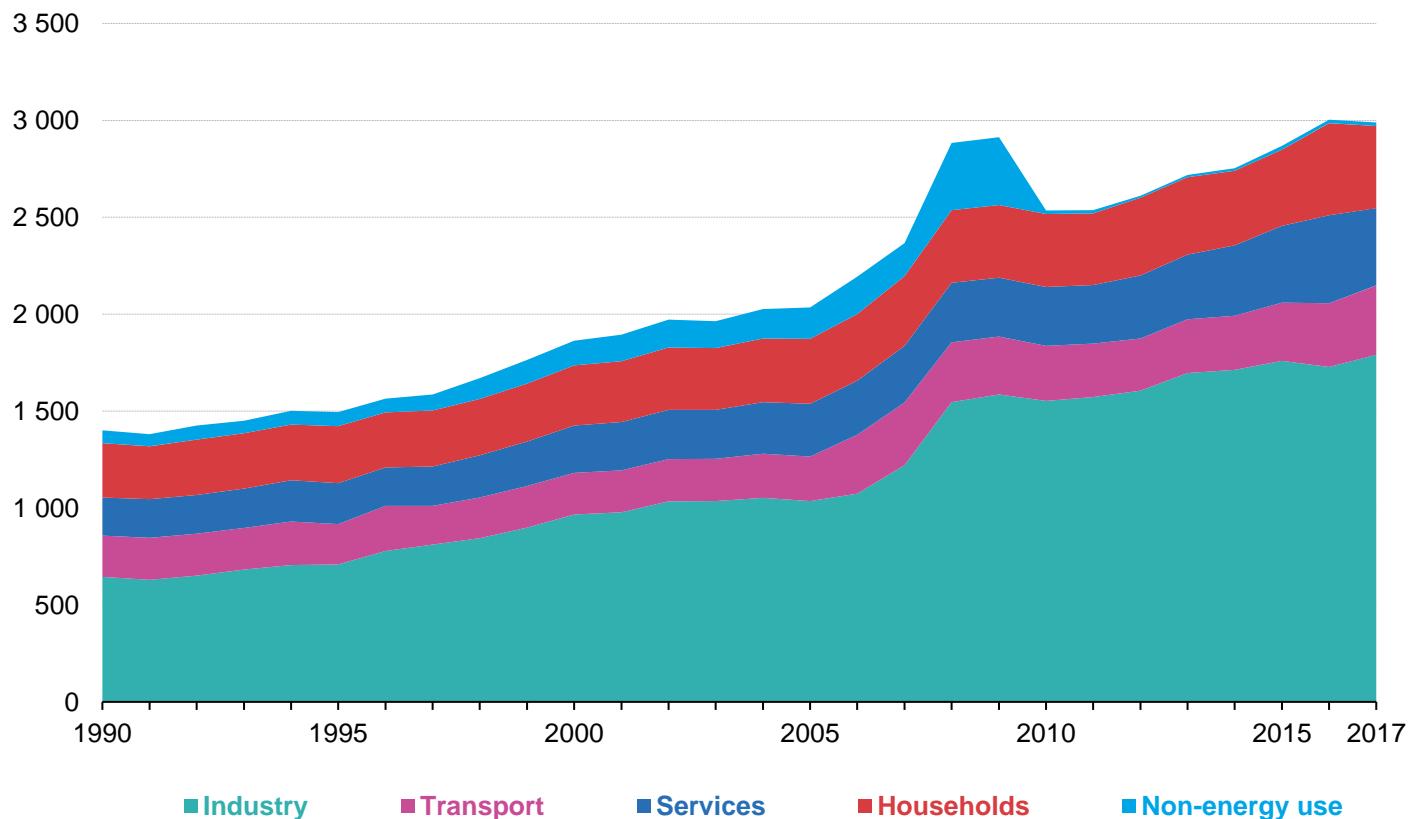
# Iceland

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Norway ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity	
+ Primary production		213 437.1	87.9	Z	0.0	0.0	90 269.3	108 719.9	14 107.5	252.5	0.0	Z	Z	
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	
+ Imports		9 685.5	803.9	0.0	0.0	0.0	7 863.4	0.0	492.6	0.0	Z	0.0	525.5	
- Exports		193 480.5	50.3	0.0	0.0	0.0	87 516.6	103 993.2	90.9	0.0	Z	0.0	1 829.4	
+ Change in stock		1 133.0	6.2	0.0	0.0	0.0	1 173.1	-46.3	0.0	0.0	Z	Z	Z	
= Gross available energy		<b>30 775.1</b>	<b>847.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11 789.2</b>	<b>4 680.5</b>	<b>14 509.2</b>	<b>252.5</b>	<b>0.0</b>	<b>0.0</b>	<b>-1 304.0</b>	
- International maritime bunkers		184.8	0.0	0.0	0.0	0.0	150.8	34.0	0.0	Z	Z	Z	Z	
= Gross inland consumption		<b>30 590.3</b>	<b>847.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11 638.4</b>	<b>4 646.5</b>	<b>14 509.2</b>	<b>252.5</b>	<b>0.0</b>	<b>0.0</b>	<b>-1 304.0</b>	
- International aviation		539.4	Z	Z	Z	Z	539.4	Z	0.0	Z	Z	Z	Z	
= Total energy supply		<b>30 050.9</b>	<b>847.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11 099.0</b>	<b>4 646.5</b>	<b>14 509.2</b>	<b>252.5</b>	<b>0.0</b>	<b>0.0</b>	<b>-1 304.0</b>	
<b>Transformation input</b>		<b>56 068.5</b>	<b>259.5</b>	<b>30.6</b>	<b>0.0</b>	<b>0.0</b>	<b>41 746.6</b>	<b>332.4</b>	<b>13 300.7</b>	<b>168.0</b>	<b>0.0</b>	<b>0.0</b>	<b>230.7</b>	
+ Electricity & heat generation		13 603.9	19.5	30.6	0.0	0.0	17.0	332.4	12 805.8	168.0	0.0	0.0	230.7	
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Blast furnaces		240.0	240.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Refineries & petrochemical industry		41 729.7	Z	Z	Z	Z	41 729.7	Z	Z	Z	Z	Z	Z	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	
+ Liquid biofuels blended		495.0	Z	Z	Z	Z	Z	Z	495.0	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	
<b>Transformation output</b>		<b>56 512.2</b>	<b>0.0</b>	<b>95.8</b>	<b>0.0</b>	<b>Z</b>	<b>42 528.4</b>	<b>0.0</b>	<b>495.0</b>	<b>Z</b>	<b>Z</b>	<b>550.4</b>	<b>12 842.6</b>	
+ Electricity & heat generation		13 393.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	550.4	12 842.6	
+ Coke ovens		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Blast furnaces		95.8	0.0	95.8	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Refineries & petrochemical industry		42 528.4	Z	Z	Z	Z	42 528.4	Z	0.0	Z	Z	Z	Z	
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z	
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	
+ Liquid biofuels blended		495.0	Z	Z	Z	Z	Z	Z	495.0	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	
<b>Energy sector</b>		<b>5 940.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>531.5</b>	<b>4 637.1</b>	<b>0.1</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>772.1</b>	
+ Own use in electricity & heat genera		62.9	0.0	0.0	0.0	0.0	1.0	0.0	0.1	0.0	Z	0.0	61.7	
+ Coal mines		1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	1.2	
+ Oil & natural gas extraction plants		5 270.8	Z	Z	Z	Z	Z	4 608.2	0.0	Z	Z	0.0	662.6	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Petroleum refineries (oil refineries)		605.9	0.0	0.0	0.0	0.0	0.0	530.5	28.8	0.0	0.0	Z	0.0	46.6
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	0.0	
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	Z	0.0	
+ Not elsewhere specified (energy)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	
<b>Distribution losses</b>		<b>850.4</b>	<b>0.0</b>	<b>3.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>59.6</b>	<b>787.0</b>	
<b>Available for final consumption</b>		<b>23 703.4</b>	<b>588.2</b>	<b>61.4</b>	<b>0.0</b>	<b>0.0</b>	<b>11 349.3</b>	<b>-323.0</b>	<b>1 703.3</b>	<b>84.5</b>	<b>0.0</b>	<b>490.8</b>	<b>9 748.8</b>	
<b>Final non-energy consumption</b>		<b>2 493.8</b>	<b>59.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 928.5</b>	<b>505.5</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>		<b>18 531.8</b>	<b>498.8</b>	<b>61.4</b>	<b>0.0</b>	<b>0.0</b>	<b>5 463.6</b>	<b>458.7</b>	<b>1 698.5</b>	<b>84.6</b>	<b>Z</b>	<b>490.1</b>	<b>9 776.1</b>	
+ Industry		6 042.2	498.8	61.4	0.0	0.0	854.6	290.7	257.0	76.4	Z	47.1	3 956.1	
+ Iron & steel		736.9	198.2	47.2	0.0	0.0	9.5	0.9	4.2	0.3	Z	0.2	476.5	
+ Chemical & petrochemical		1 365.7	219.3	9.8	0.0	0.0	310.6	108.1	48.2	18.6	Z	10.2	640.9	
+ Non-ferrous metals		1 852.9	0.0	0.0	0.0	0.0	21.9	39.2	0.0	0.0	Z	0.9	1 790.9	
+ Non-metallic minerals		350.5	81.3	4.4	0.0	0.0	54.2	51.7	27.8	49.7	Z	0.6	80.7	
+ Transport equipment		41.5	0.0	0.0	0.0	0.0	4.2	1.1	0.0	0.0	Z	2.1	34.1	
+ Machinery		106.5	0.0	0.0	0.0	0.0	8.4	3.1	0.1	0.1	Z	3.7	91.1	
+ Mining & quarrying		89.4	0.0	0.0	0.0	0.0	51.6	2.5	0.0	0.0	Z	0.0	35.3	
+ Food, beverages & tobacco		417.8	0.0	0.0	0.0	0.0	78.8	64.9	2.2	0.0	Z	17.0	254.9	
+ Paper, pulp & printing		460.9	0.0	0.0	0.0	0.0	9.0	10.8	94.4	7.6	Z	3.0	336.0	
+ Wood & wood products		147.4	0.0	0.0	0.0	0.0	6.2	3.9	76.9	0.0	Z	7.6	52.9	
+ Construction		408.7	0.0	0.0	0.0	0.0	287.1	0.5	0.0	0.0	Z	1.5	119.6	
+ Textile & leather		7.7	0.0	0.0	0.0	0.0	1.1	0.6	0.0	0.0	Z	0.1	5.9	
+ Not elsewhere specified (industry)		56.3	0.0	0.0	0.0	0.0	12.0	3.5	3.3	0.0	Z	0.4	37.1	
+ Transport		4 632.4	0.0	0.0	0.0	0.0	3 951.0	97.8	505.1	0.0	Z	Z	78.5	
+ Rail		64.0	0.0	0.0	0.0	0.0	14.4	Z	0.0	0.0	Z	Z	49.6	
+ Road		3 396.8	Z	Z	Z	Z	2 844.4	22.8	500.6	0.0	Z	Z	28.9	
+ Domestic aviation		360.4	Z	Z	Z	Z	360.4	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation		736.3	0.0	0.0	0.0	0.0	731.8	Z	4.5	0.0	Z	Z	Z	
+ Pipeline transport		0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0	
+ Not elsewhere specified (transport)		75.0	0.0	0.0	0.0	0.0	0.0	75.0	0.0	0.0	Z	Z	0.0	
+ Other		7 857.2	0.0	0.0	0.0	0.0	658.0	70.3	936.3	8.3	Z	442.9	5 741.4	
+ Commercial & public services		2 836.6	0.0	0.0	0.0	0.0	264.7	49.2	30.6	8.3	Z	333.2	2 150.6	
+ Households		4 097.1	0.0	0.0	0.0	0.0	65.2	7.7	501.3	0.0	Z	109.3	3 413.6	
+ Agriculture & forestry		307.9	0.0	0.0	0.0	0.0	134.5	13.4	0.0	0.0	Z	0.5	159.5	
+ Fishing		131.0	0.0	0.0	0.0	0.0	113.2	0.0	0.0	0.0	Z	0.0	17.7	
+ Not elsewhere specified (other)		484.7	0.0	0.0	0.0	0.0	80.3	0.0	404.4	0.0	Z	0.0	0.0	
<b>Statistical differences</b>		<b>2 677.8</b>	<b>29.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 957.2</b>	<b>-1 287.3</b>	<b>4.9</b>	<b>-0.1</b>	<b>0.0</b>	<b>0.7</b>	<b>-27.3</b>	
Gross electricity production		12 818.4	3.7	12.3	0.0	0.0	2.4	216.8	12 561.1	22.1	0.0	Z	Z	
Gross heat production		467.6	5.8	0.6	0.0	0.0	11.8	12.3	243.6	125.7	0.0	Z	67.8	

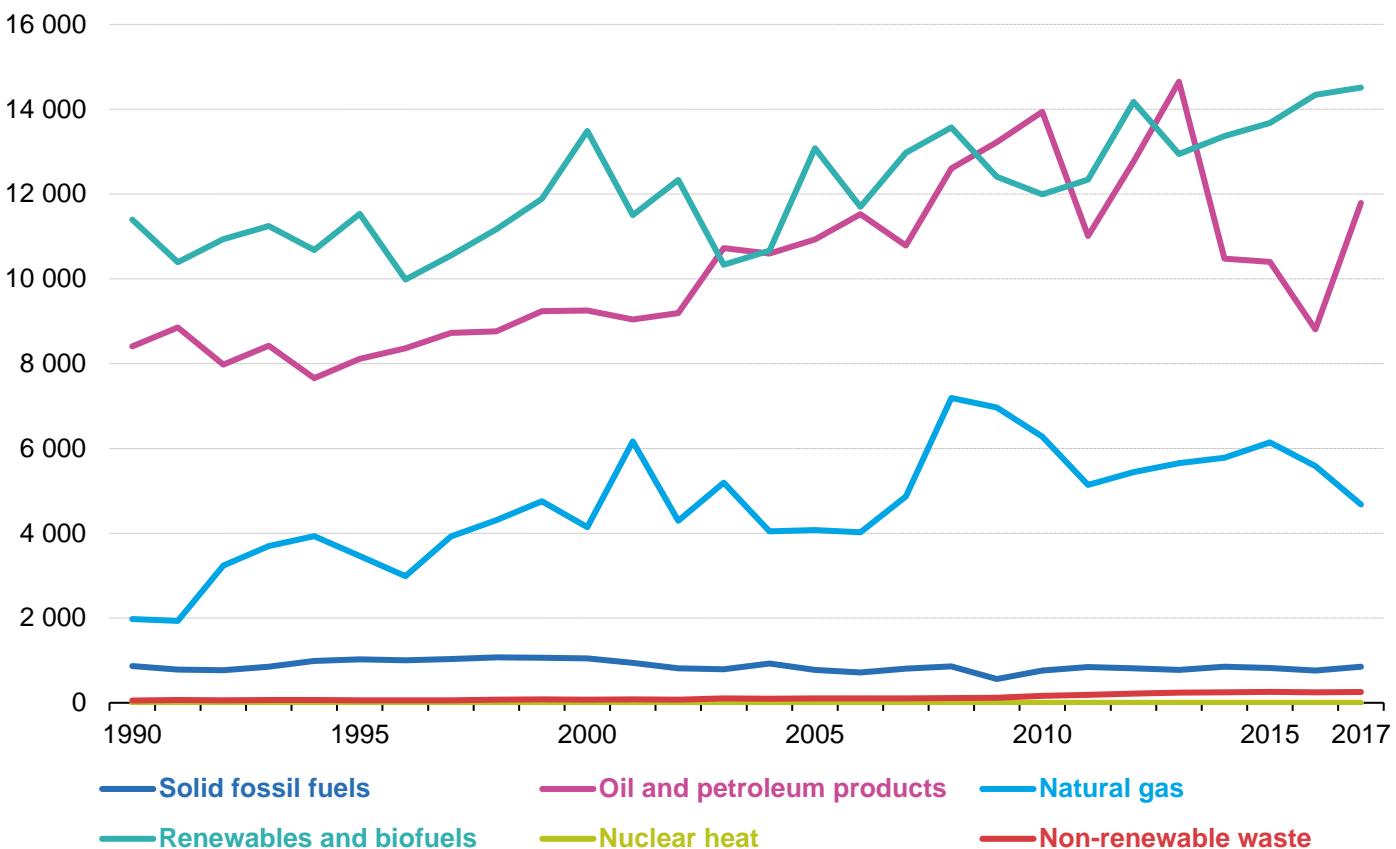
Source: Eurostat (nrg\_bal\_c)

Norway	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	27 921	33 781	29 258	31 869	33 822	29 370	30 031	28 318	30 775	
Solid fossil fuels	776	763	846	816	775	850	821	758	848	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	22 434	22 268	23 491	24 213	25 072	22 231	24 526	21 261	25 298	
Petroleum products	-11 508	-8 331	-12 479	-11 453	-10 425	-11 758	-14 129	-12 456	-13 509	
Natural gas	4 071	6 280	5 139	5 437	5 652	5 780	6 141	5 583	4 680	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	13 080	11 990	12 339	14 175	12 942	13 363	13 674	14 335	14 509	
Non-renewable wastes	103	162	187	213	236	245	257	249	252	
<b>Primary production</b>	223 879	208 875	199 251	205 312	195 214	195 770	206 390	208 595	213 437	
Solid fossil fuels	987	1 299	930	825	1 245	1 124	742	549	88	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	134 689	100 951	95 491	88 862	84 622	85 427	89 069	91 470	90 269	
Natural gas	75 040	94 721	90 549	101 450	96 389	95 797	102 847	102 337	108 720	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	13 059	11 741	12 093	13 962	12 721	13 178	13 475	13 990	14 108	
Non-renewable wastes	103	162	187	213	236	245	257	249	252	
<b>Net imports</b>	-195 602	-175 112	-169 381	-173 210	-161 428	-166 858	-176 143	-179 986	-183 795	
Solid fossil fuels	-412	-383	-222	-53	-673	-259	1	121	754	
Crude oil	-111 896	-78 531	-71 538	-64 546	-59 494	-63 500	-64 422	-69 470	-65 953	
Gas/Diesel Oil (w/o bio)	-1 933	-811	-1 831	-1 084	-1 411	-1 696	-1 689	-904	-2 598	
Motor Gasoline (w/o bio)	-2 306	-1 819	-2 793	-2 365	-2 124	-2 068	-2 986	-3 099	-3 421	
Naphtha	-2 176	-2 038	-2 371	-2 532	-1 667	-2 610	-2 634	-2 877	-2 977	
LPG	-5 324	-4 534	-5 375	-5 003	-5 011	-5 237	-6 369	-6 128	-5 347	
All other oil & petroleum products	428	581	150	-281	-112	-339	-240	201	643	
Natural gas	-70 969	-88 476	-85 384	-96 030	-90 728	-90 000	-96 744	-96 763	-103 993	
<b>Transformation input</b>	47 401	45 537	47 356	49 805	49 768	46 667	54 890	51 889	56 069	
Electricity & heat generation	12 249	11 827	11 991	13 419	12 205	12 852	13 138	13 607	13 604	
Refinery intake	16 070	14 694	15 939	15 788	16 587	14 735	17 278	13 410	16 603	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	110	158	233	222	226	244	225	192	240	
<b>Transformation output</b>	47 738	44 902	47 201	49 530	49 828	47 134	54 582	51 986	56 512	
Electricity & heat generation	12 171	11 062	11 350	13 121	12 003	12 661	12 919	13 396	13 393	
Refinery output	16 128	14 521	16 159	15 526	16 549	15 113	16 917	13 407	16 969	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	44	63	93	89	91	98	90	77	96	
<b>Energy sector</b>	4 805	5 728	5 586	5 717	5 666	5 880	5 830	5 712	5 941	
<b>Distribution losses</b>	917	883	687	837	746	710	699	849	850	
<b>Available for final consumption</b>	21 486	25 703	22 015	24 308	26 616	22 595	22 436	21 218	23 703	
Solid fossil fuels	649	588	596	579	533	589	579	548	588	
Manufactured gases	22	37	67	68	69	70	61	51	61	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	4 435	4 747	4 158	4 774	5 014	4 472	5 013	4 362	4 337	
Motor Gasoline (w/o bio)	1 673	1 840	1 180	1 473	1 891	1 460	1 194	857	1 445	
Naphtha	1 470	1 844	1 402	1 963	2 723	585	-281	-58	147	
LPG	1 168	1 493	861	1 221	1 101	1 109	374	780	1 703	
All other oil & petroleum products	761	2 482	2 245	1 866	2 668	2 236	2 893	2 215	3 717	
Natural gas	351	853	199	863	1 089	966	1 155	645	-323	
Primary solid biofuels & charcoal	1 063	1 141	1 118	1 013	901	693	740	712	747	
Liquid biofuels	0	137	132	145	143	134	149	347	499	
All other renewable energies	142	329	365	381	390	401	426	445	458	
Non-renewable wastes	23	65	75	75	83	92	92	88	85	
Electricity	9 521	9 764	9 279	9 507	9 589	9 385	9 605	9 754	9 749	
Heat	209	383	337	379	423	403	435	472	491	
<b>Statistical difference</b>	899	3 939	1 104	3 290	5 533	2 029	1 652	261	2 678	
<b>Final non-energy consumption</b>	2 313	2 341	2 298	2 309	2 328	2 382	2 503	2 342	2 494	
<b>Final energy consumption</b>	18 273	19 424	18 612	18 709	18 755	18 184	18 280	18 616	18 532	
Industry	6 717	6 125	6 112	5 909	5 848	5 762	5 902	5 900	6 042	
Transport	4 399	4 890	4 719	4 637	4 809	4 843	4 958	4 993	4 632	
Other sectors	7 158	8 409	7 781	8 163	8 098	7 579	7 420	7 723	7 857	
Services	2 281	2 797	2 640	2 750	2 795	2 623	2 645	2 864	2 837	
Households	3 875	4 429	3 957	4 150	4 100	3 818	3 988	4 041	4 097	

Source: Eurostat (nrg\_bal\_c)

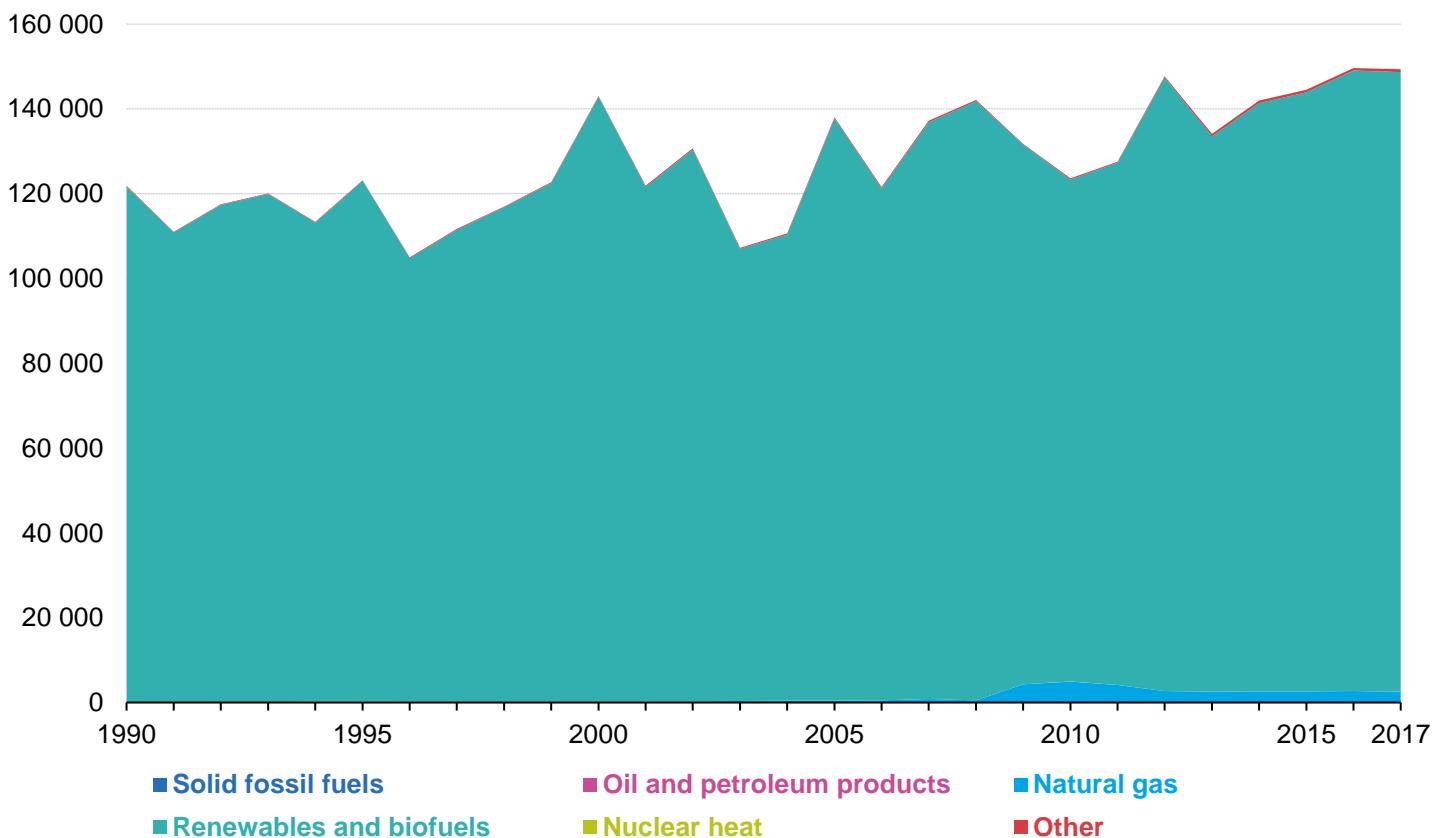
# Norway

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

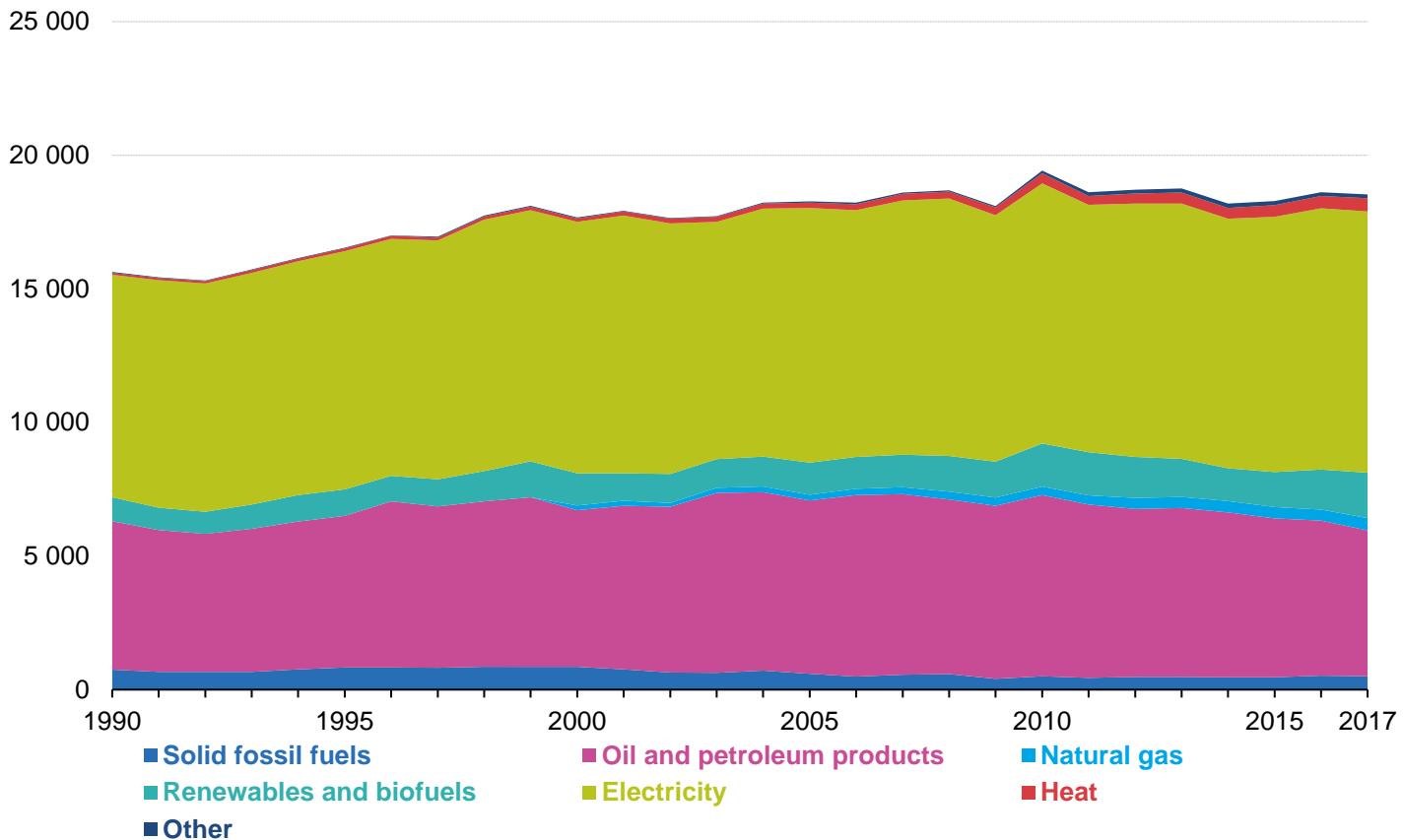


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

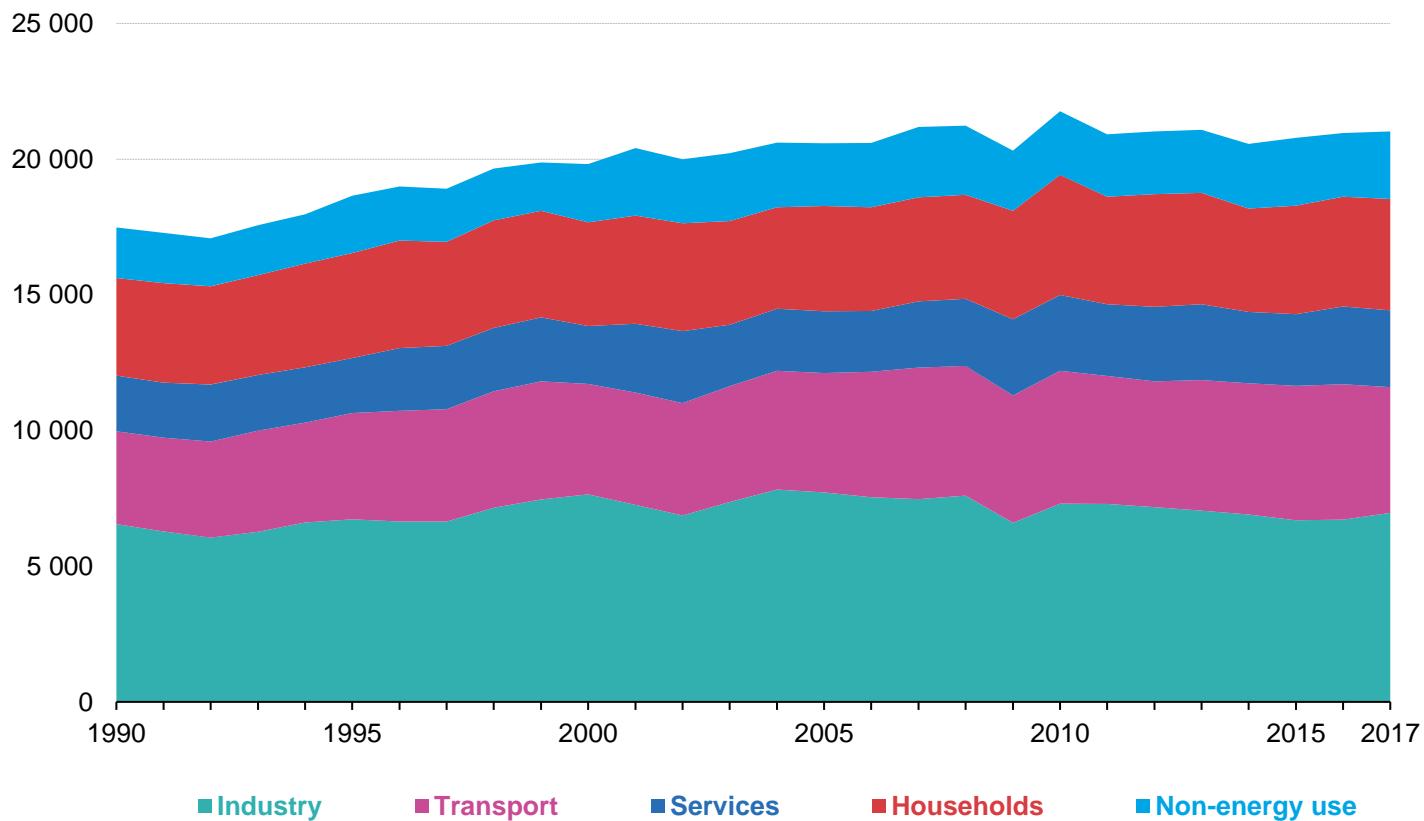
# Norway

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Montenegro ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	630.5	324.4	Z	0.0	0.0	0.0	0.0	306.1	0.0	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	539.5	1.1	0.0	0.0	0.0	405.0	0.0	1.3	0.0	Z	0.0	132.2
- Exports	121.9	21.3	0.0	0.0	0.0	34.6	0.0	30.1	0.0	Z	0.0	35.8
+ Change in stock	-10.3	0.0	0.0	0.0	0.0	-10.4	0.0	0.0	0.0	Z	Z	Z
= Gross available energy	<b>1 037.8</b>	<b>304.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>360.0</b>	<b>0.0</b>	<b>277.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>96.3</b>
- International maritime bunkers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>1 037.8</b>	<b>304.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>360.0</b>	<b>0.0</b>	<b>277.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>96.3</b>
- International aviation	21.0	Z	Z	Z	Z	21.0	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>1 016.8</b>	<b>304.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>339.0</b>	<b>0.0</b>	<b>277.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>96.3</b>
<b>Transformation input</b>	<b>408.3</b>	<b>294.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>113.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation	391.2	294.8	0.0	0.0	0.0	0.0	0.0	96.4	0.0	0.0	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	17.1	Z	Z	Z	Z	Z	Z	17.1	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>	<b>213.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>0.0</b>	<b>213.5</b>
+ Electricity & heat generation	213.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	213.5
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>10.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>10.2</b>
+ Own use in electricity & heat genera	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	10.2
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Distribution losses</b>	<b>44.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>44.0</b>
<b>Available for final consumption</b>	<b>767.7</b>	<b>9.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>339.0</b>	<b>0.0</b>	<b>163.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>255.5</b>
<b>Final non-energy consumption</b>	<b>35.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>35.6</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>722.1</b>	<b>9.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>303.4</b>	<b>0.0</b>	<b>163.9</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>245.5</b>
+ Industry	132.3	5.5	0.0	0.0	0.0	55.6	0.0	8.3	0.0	Z	0.0	62.9
+ Iron & steel	7.9	4.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	Z	0.0	3.5
+ Chemical & petrochemical	3.0	0.0	0.0	0.0	0.0	1.0	0.0	1.6	0.0	Z	0.0	0.4
+ Non-ferrous metals	50.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	50.7
+ Non-metallic minerals	2.8	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	Z	0.0	0.6
+ Transport equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Machinery	3.6	0.2	0.0	0.0	0.0	2.4	0.0	0.5	0.0	Z	0.0	0.5
+ Mining & quarrying	13.4	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	Z	0.0	0.7
+ Food, beverages & tobacco	18.6	0.7	0.0	0.0	0.0	9.5	0.0	5.7	0.0	Z	0.0	2.6
+ Paper, pulp & printing	1.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	Z	0.0	0.5
+ Wood & wood products	12.5	0.2	0.0	0.0	0.0	11.0	0.0	0.2	0.0	Z	0.0	1.1
+ Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Textile & leather	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	Z	0.0	0.1
+ Not elsewhere specified (industry)	18.3	0.2	0.0	0.0	0.0	15.6	0.0	0.2	0.0	Z	0.0	2.2
+ Transport	235.5	0.0	0.0	0.0	0.0	233.8	0.0	0.0	0.0	Z	Z	1.7
+ Rail	1.7	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	1.7
+ Road	233.8	Z	Z	Z	Z	233.8	0.0	0.0	0.0	Z	Z	0.0
+ Domestic aviation	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	354.2	3.9	0.0	0.0	0.0	14.0	0.0	155.6	0.0	Z	0.0	180.8
+ Commercial & public services	86.4	1.6	0.0	0.0	0.0	9.5	0.0	6.5	0.0	Z	0.0	68.7
+ Households	263.1	2.2	0.0	0.0	0.0	1.2	0.0	149.0	0.0	Z	0.0	110.6
+ Agriculture & forestry	4.7	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	Z	0.0	1.6
+ Fishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>10.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.0</b>
Gross electricity production	213.5	117.1	0.0	0.0	0.0	0.0	0.0	96.4	0.0	0.0	Z	Z
Gross heat production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

eurostat ■ Energy balance sheets — 2017 data

Montenegro	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	1 041	1 129	1 134	1 071	996	975	1 030	988	1 038	
Solid fossil fuels	287	420	424	381	368	359	378	299	304	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Petroleum products	297	312	298	282	274	278	298	330	360	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	304	397	278	304	384	316	309	333	277	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
<b>Primary production</b>	593	826	722	704	762	692	716	660	631	
Solid fossil fuels	287	426	434	393	372	364	390	308	324	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	306	399	288	311	390	328	326	353	306	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
<b>Net imports</b>	442	298	411	367	234	291	306	343	418	
Solid fossil fuels	-6	-12	-12	-12	-4	-5	-12	-8	-20	
Crude oil	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	104	177	170	173	173	181	190	227	257	
Motor Gasoline (w/o bio)	55	61	46	39	34	34	33	37	36	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	11	20	21	19	16	20	22	21	21	
All other oil & petroleum products	126	53	60	50	51	51	46	59	56	
Natural gas	0	0	0	0	0	0	0	0	0	
<b>Transformation input</b>	425	645	522	501	578	503	506	453	408	
Electricity & heat generation	425	645	521	500	578	502	495	446	391	
Refinery intake	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	246	346	228	245	339	273	258	270	213	
Electricity & heat generation	246	346	228	245	339	273	258	270	213	
Refinery output	0	0	0	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	12	16	14	13	12	12	11	10	10	
<b>Distribution losses</b>	67	57	56	60	65	59	50	47	44	
<b>Available for final consumption</b>	769	755	760	729	666	656	701	728	768	
Solid fossil fuels	22	11	6	8	5	7	11	12	9	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	104	177	170	173	173	173	188	218	243	
Motor Gasoline (w/o bio)	55	61	46	39	34	37	38	39	39	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	11	20	21	19	16	18	20	19	19	
All other oil & petroleum products	110	48	49	36	37	32	33	33	38	
Natural gas	0	0	0	0	0	0	0	0	0	
Primary solid biofuels & charcoal	143	161	173	175	167	163	169	166	163	
Liquid biofuels	0	0	0	0	0	0	0	0	0	
All other renewable energies	0	0	1	1	1	1	1	1	1	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	324	276	294	277	233	224	242	240	256	
Heat	0	0	0	0	0	0	0	0	0	
<b>Statistical difference</b>	0	0	0	0	0	0	11	10	10	
<b>Final non-energy consumption</b>	18	40	41	30	25	28	28	30	36	
<b>Final energy consumption</b>	751	715	719	699	641	629	663	688	722	
Industry	341	199	227	203	183	133	132	120	132	
Transport	158	230	213	203	165	163	187	219	236	
Other sectors	251	285	279	293	292	333	344	349	354	
Services	3	5	8	9	14	69	70	79	86	
Households	244	275	269	281	269	256	265	264	263	

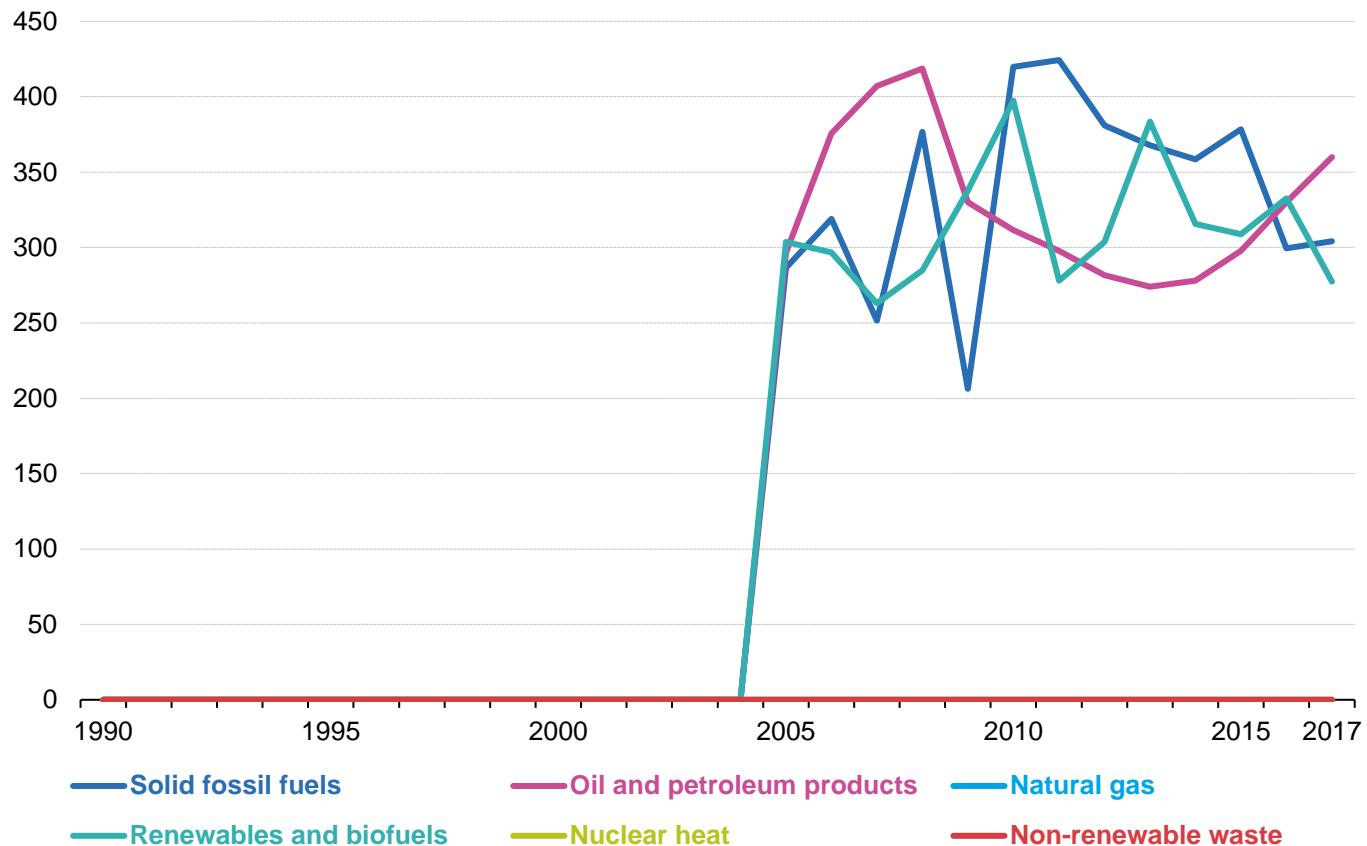
Europe 2020-2030 indicators

	2005	2010	2011	2012	2013	2014	2015	2016	2017
Gross inland consumption	1 041	1 129	1 134	1 071	996	975	1 030	988	1 038
Primary energy consumption	1 022	1 089	1 094	1 040	971	947	1 002	958	1 002
Final energy consumption	764	717	730	712	655	646	682	708	743

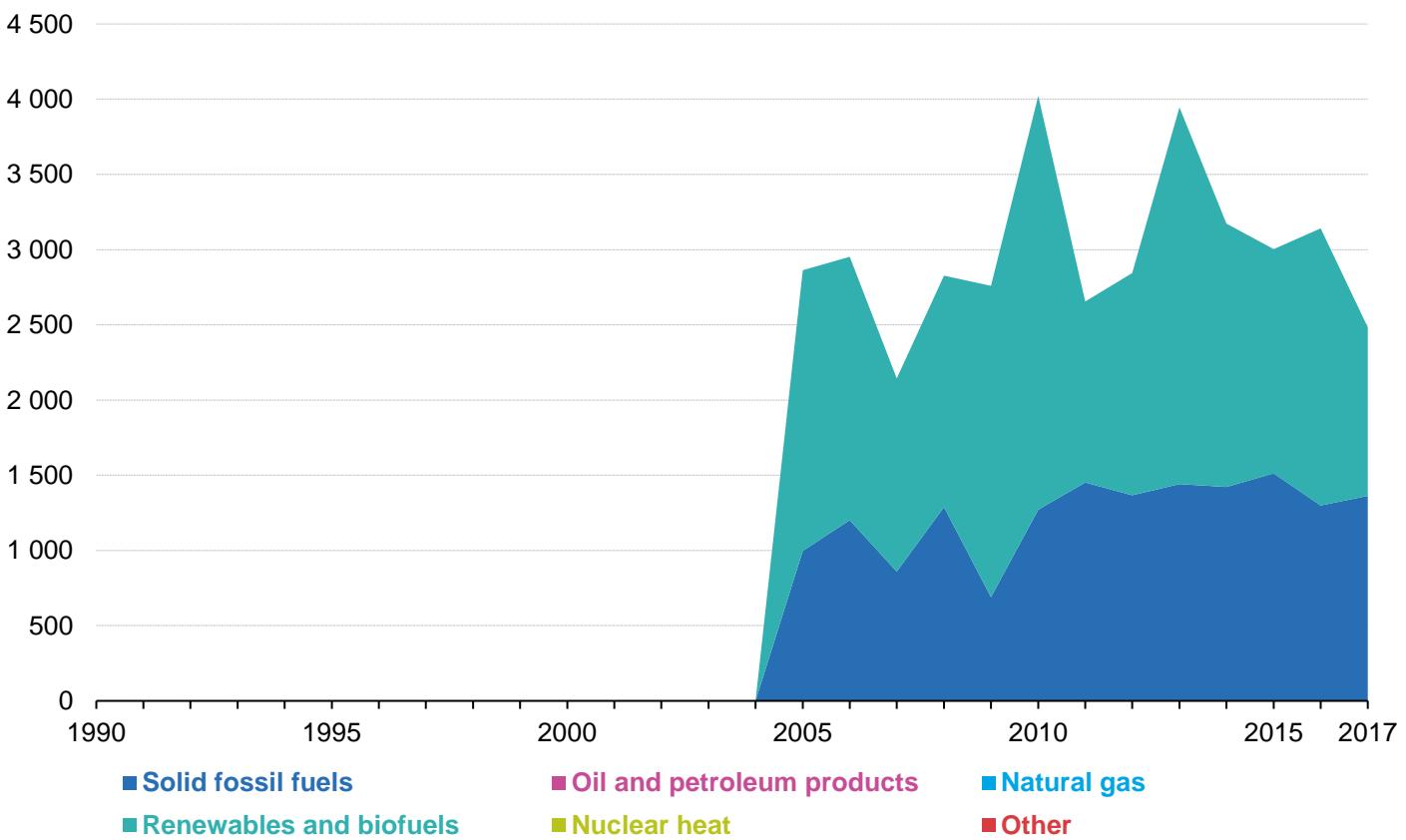
Source: Eurostat (nrg\_bal\_c)

# Montenegro

## Gross available energy by fuel, ktoe



## Gross electricity production by fuel, GWh

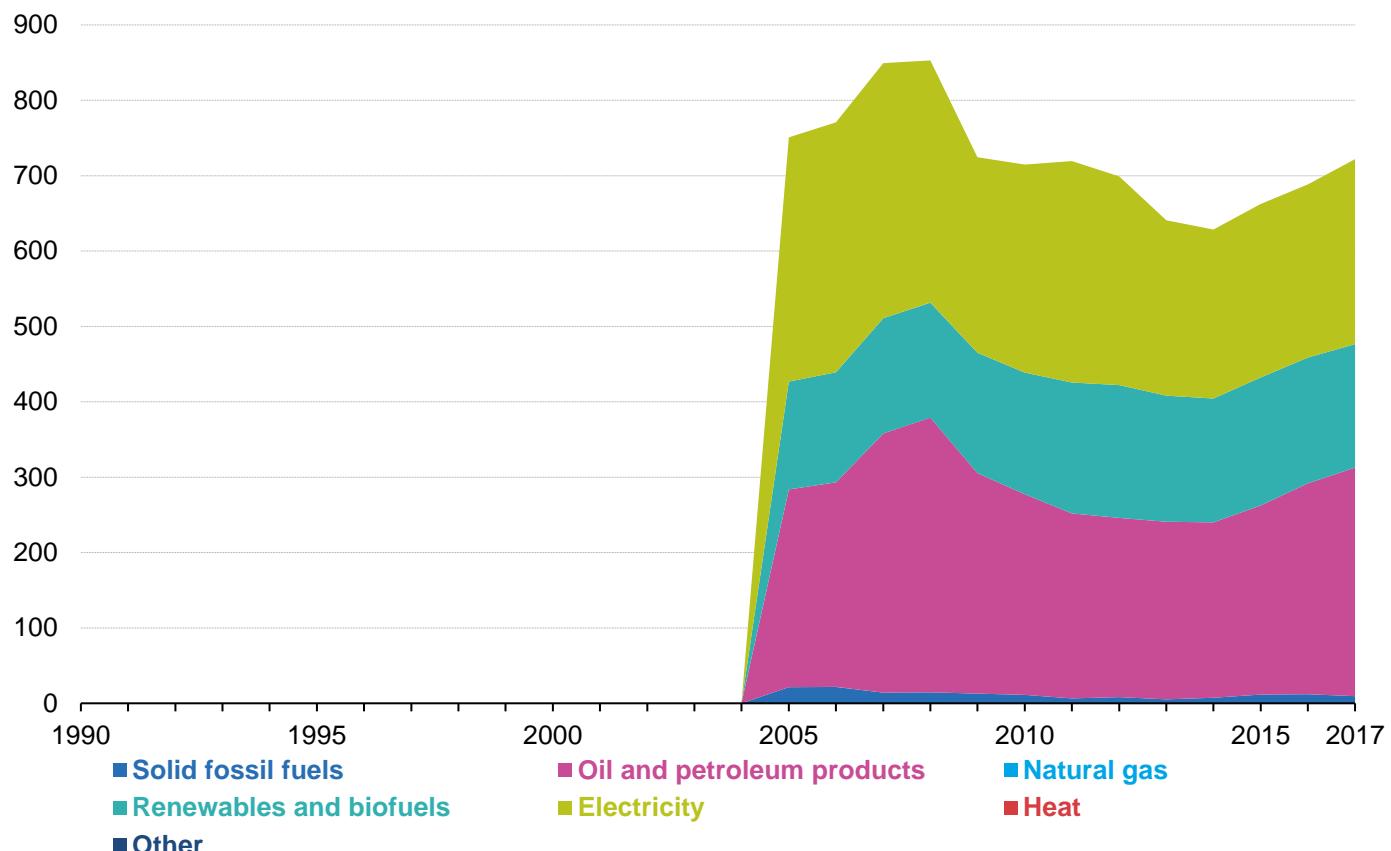


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

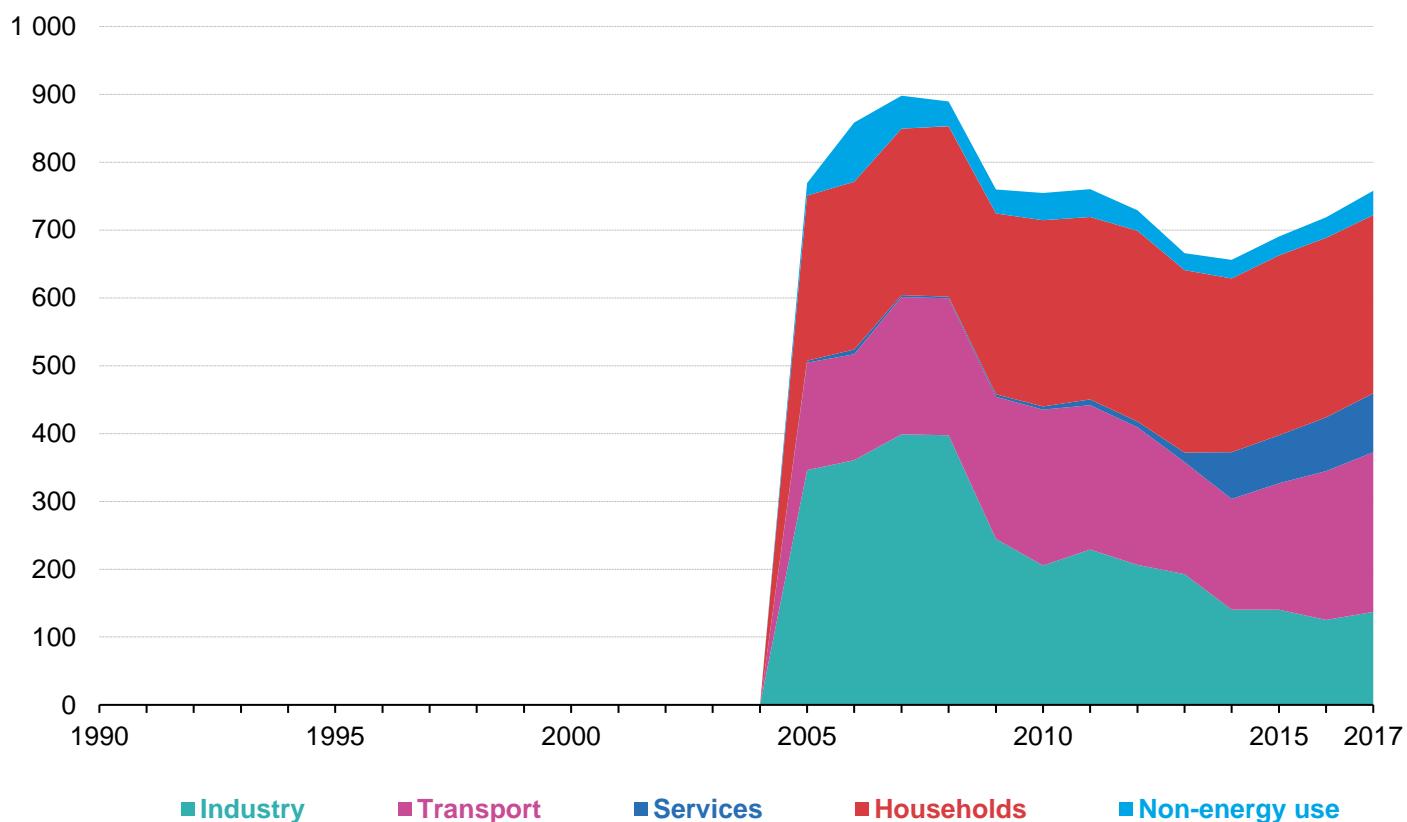
# Montenegro

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

North Macedonia ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	1 161.4	852.5	Z	0.0	0.0	0.0	0.0	308.8	0.0	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	1 669.6	90.8	0.0	0.0	0.0	1 123.9	226.6	31.1	0.0	Z	0.0	197.2
- Exports	118.8	0.9	0.0	0.0	0.0	90.6	0.0	0.6	0.0	Z	0.0	26.7
+ Change in stock	50.2	37.6	0.0	0.0	0.0	6.2	-0.2	6.5	0.0	Z	Z	Z
= Gross available energy	<b>2 762.3</b>	<b>980.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 039.6</b>	<b>226.4</b>	<b>345.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>170.5</b>
- International maritime bunkers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>2 762.3</b>	<b>980.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 039.6</b>	<b>226.4</b>	<b>345.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>170.5</b>
- International aviation	20.9	Z	Z	Z	Z	20.9	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>2 741.4</b>	<b>980.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 018.7</b>	<b>226.4</b>	<b>345.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>170.5</b>
<b>Transformation input</b>	<b>1 176.8</b>	<b>859.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>23.4</b>	<b>182.0</b>	<b>111.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation	1 176.6	859.7	0.0	0.0	0.0	23.4	182.0	111.6	0.0	0.0	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.1	Z	Z	Z	Z	Z	Z	0.1	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>	<b>539.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>Z</b>	<b>Z</b>	<b>57.8</b>	<b>481.5</b>
+ Electricity & heat generation	539.3	Z	Z	Z	Z	Z	Z	Z	Z	Z	57.8	481.5
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.1	Z	Z	Z	Z	Z	Z	0.1	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>42.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.5</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.4</b>	<b>41.0</b>	
+ Own use in electricity & heat genera	32.9	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	Z	0.4	32.1
+ Coal mines	8.1	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	Z	0.0	7.1
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	1.9	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Z	0.0	1.8
<b>Distribution losses</b>	<b>95.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.8</b>	<b>0.0</b>	<b>Z</b>	<b>7.5</b>	<b>86.3</b>
<b>Available for final consumption</b>	<b>1 966.2</b>	<b>120.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>993.9</b>	<b>44.1</b>	<b>233.4</b>	<b>0.0</b>	<b>0.0</b>	<b>49.9</b>	<b>524.7</b>
<b>Final non-energy consumption</b>	<b>80.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>80.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>1 866.7</b>	<b>101.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>913.5</b>	<b>44.1</b>	<b>233.4</b>	<b>0.0</b>	<b>Z</b>	<b>49.9</b>	<b>524.7</b>
+ Industry	383.4	97.4	0.0	0.0	0.0	116.0	37.4	8.3	0.0	Z	2.2	122.2
+ Iron & steel	155.9	35.1	0.0	0.0	0.0	40.6	25.1	0.0	0.0	Z	2.2	53.0
+ Chemical & petrochemical	9.8	0.0	0.0	0.0	0.0	1.9	1.5	0.0	0.0	Z	0.0	6.4
+ Non-ferrous metals	2.5	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	Z	0.0	1.2
+ Non-metallic minerals	94.7	61.1	0.0	0.0	0.0	21.0	1.0	0.0	0.0	Z	0.0	11.6
+ Transport equipment	12.0	0.0	0.0	0.0	0.0	1.4	3.2	0.1	0.0	Z	0.0	7.4
+ Machinery	7.3	0.0	0.0	0.0	0.0	2.5	0.2	0.2	0.0	Z	0.0	4.5
+ Mining & quarrying	26.3	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	Z	0.0	13.3
+ Food, beverages & tobacco	39.4	0.0	0.0	0.0	0.0	14.9	5.8	6.4	0.0	Z	0.0	12.3
+ Paper, pulp & printing	1.9	0.0	0.0	0.0	0.0	0.6	0.4	0.0	0.0	Z	0.0	0.9
+ Wood & wood products	0.9	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	Z	0.0	0.4
+ Construction	15.0	0.0	0.0	0.0	0.0	13.3	0.0	0.1	0.0	Z	0.0	1.6
+ Textile & leather	12.2	1.2	0.0	0.0	0.0	5.1	0.1	0.5	0.0	Z	0.0	5.4
+ Not elsewhere specified (industry)	5.4	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.0	Z	0.0	4.3
+ Transport	709.4	0.0	0.0	0.0	0.0	707.9	0.2	0.1	0.0	Z	Z	1.2
+ Rail	2.4	0.0	0.0	0.0	0.0	1.2	Z	0.0	0.0	Z	Z	1.2
+ Road	707.0	Z	Z	Z	Z	706.7	0.2	0.1	0.0	Z	Z	0.0
+ Domestic aviation	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	773.9	3.7	0.0	0.0	0.0	89.6	6.5	224.9	0.0	Z	47.8	401.3
+ Commercial & public services	220.9	1.2	0.0	0.0	0.0	63.4	6.4	5.6	0.0	Z	12.7	131.7
+ Households	529.3	1.5	0.0	0.0	0.0	12.0	0.2	214.3	0.0	Z	35.1	266.3
+ Agriculture & forestry	23.6	1.0	0.0	0.0	0.0	14.2	0.0	5.1	0.0	Z	0.0	3.4
+ Fishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>19.2</b>	<b>19.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production	481.5	291.2	0.0	0.0	0.0	7.6	71.3	111.4	0.0	0.0	Z	Z
Gross heat production	57.8	0.0	0.0	0.0	0.0	0.0	57.8	0.0	0.0	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

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North Macedonia	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	2 923	2 881	3 122	3 004	2 783	2 707	2 656	2 696	2 762	
Solid fossil fuels	1 465	1 305	1 460	1 398	1 163	1 084	948	880	980	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	968	875	722	266	63	0	0	0	0	
Petroleum products	-55	70	256	669	849	905	970	1 088	1 040	
Natural gas	63	96	110	114	130	111	112	176	226	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	345	414	344	327	369	353	409	378	346	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
<b>Primary production</b>	1 632	1 607	1 756	1 561	1 425	1 331	1 266	1 111	1 161	
Solid fossil fuels	1 289	1 194	1 410	1 246	1 053	986	876	745	853	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	343	413	345	315	372	345	389	366	309	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
<b>Net imports</b>	1 250	1 268	1 424	1 448	1 300	1 396	1 395	1 590	1 551	
Solid fossil fuels	116	121	132	133	100	120	84	112	90	
Crude oil	982	864	706	265	53	-7	0	0	0	
Gas/Diesel Oil (w/o bio)	-51	33	154	357	427	487	545	631	638	
Motor Gasoline (w/o bio)	-68	-29	8	72	89	106	109	110	110	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	25	42	40	54	60	68	78	86	86	
All other oil & petroleum products	47	15	43	223	227	250	237	282	199	
Natural gas	62	96	110	114	130	111	112	176	227	
<b>Transformation input</b>	3 015	2 396	2 311	1 733	1 410	1 206	1 163	1 090	1 177	
Electricity & heat generation	1 540	1 478	1 549	1 466	1 311	1 204	1 162	1 090	1 177	
Refinery intake	1 221	896	742	266	80	1	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	2 108	1 555	1 355	844	672	511	538	538	539	
Electricity & heat generation	679	690	645	597	575	509	538	538	539	
Refinery output	1 176	844	690	246	80	1	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	78	78	83	80	60	48	44	42	43	
<b>Distribution losses</b>	146	121	128	119	107	99	96	95	95	
<b>Available for final consumption</b>	1 786	1 833	1 951	1 908	1 867	1 853	1 876	1 992	1 966	
Solid fossil fuels	143	121	134	151	122	107	78	132	120	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	348	406	426	427	456	479	536	617	643	
Motor Gasoline (w/o bio)	123	130	138	112	117	107	109	110	109	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	51	70	64	61	65	69	78	86	86	
All other oil & petroleum products	249	223	234	244	220	196	193	231	156	
Natural gas	50	42	44	23	27	34	31	38	44	
Primary solid biofuels & charcoal	206	193	208	227	223	235	228	194	228	
Liquid biofuels	0	0	0	0	1	0	0	0	0	
All other renewable energies	9	10	11	9	7	6	5	5	5	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	535	583	634	602	585	579	570	533	525	
Heat	72	54	57	52	44	40	46	46	50	
<b>Statistical difference</b>	11	9	-20	5	-1	5	-23	4	19	
<b>Final non-energy consumption</b>	36	35	68	57	54	50	62	140	80	
<b>Final energy consumption</b>	1 740	1 790	1 903	1 846	1 815	1 797	1 838	1 848	1 867	
Industry	581	542	634	579	555	518	475	441	383	
Transport	344	454	475	453	515	537	596	680	709	
Other sectors	815	793	794	813	745	742	766	727	774	
Services	239	234	206	229	202	196	212	213	221	
Households	540	538	567	559	519	524	531	492	529	

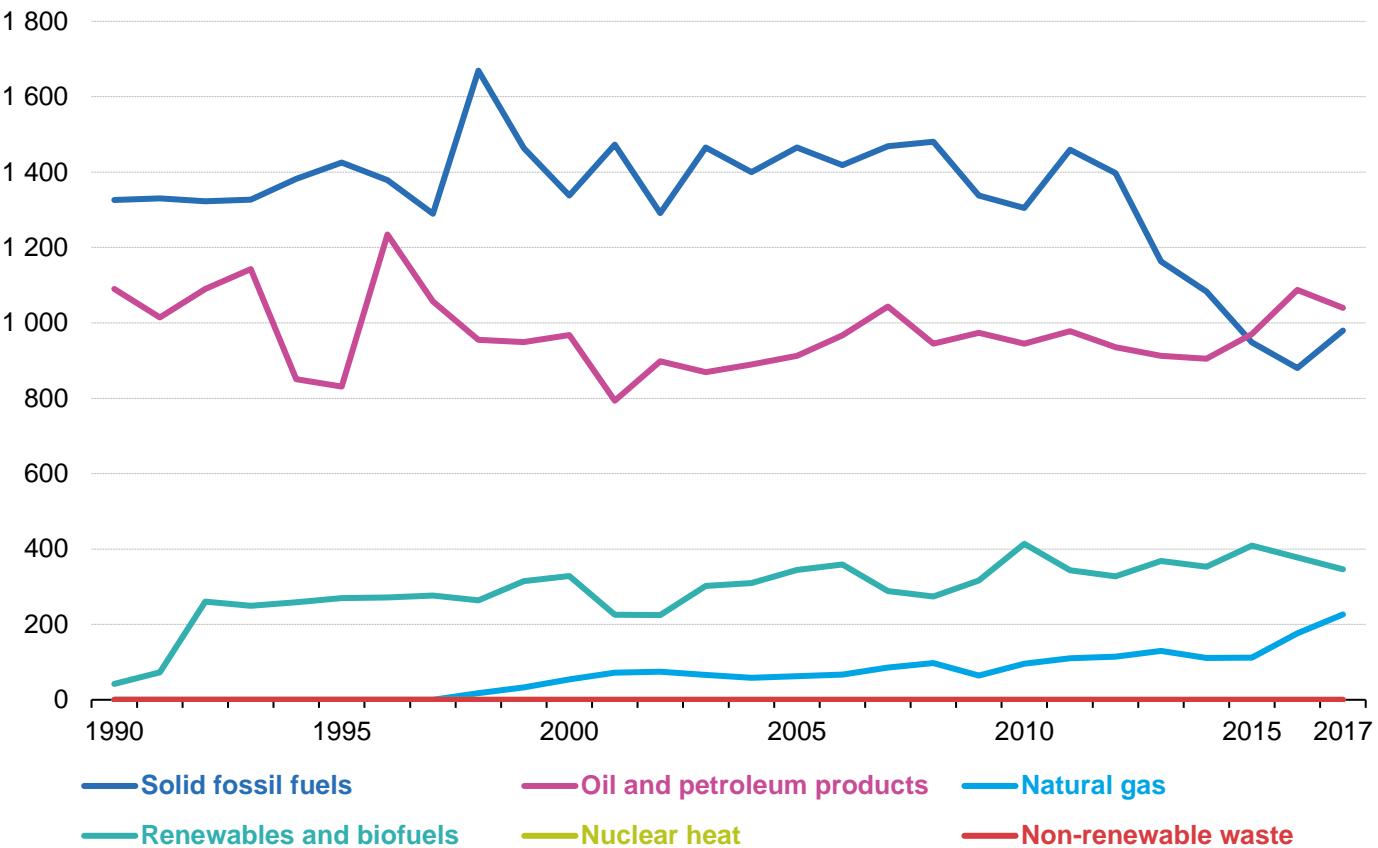
Source: Eurostat (nrg\_bal\_c)

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Energy balance sheets — 2017 data

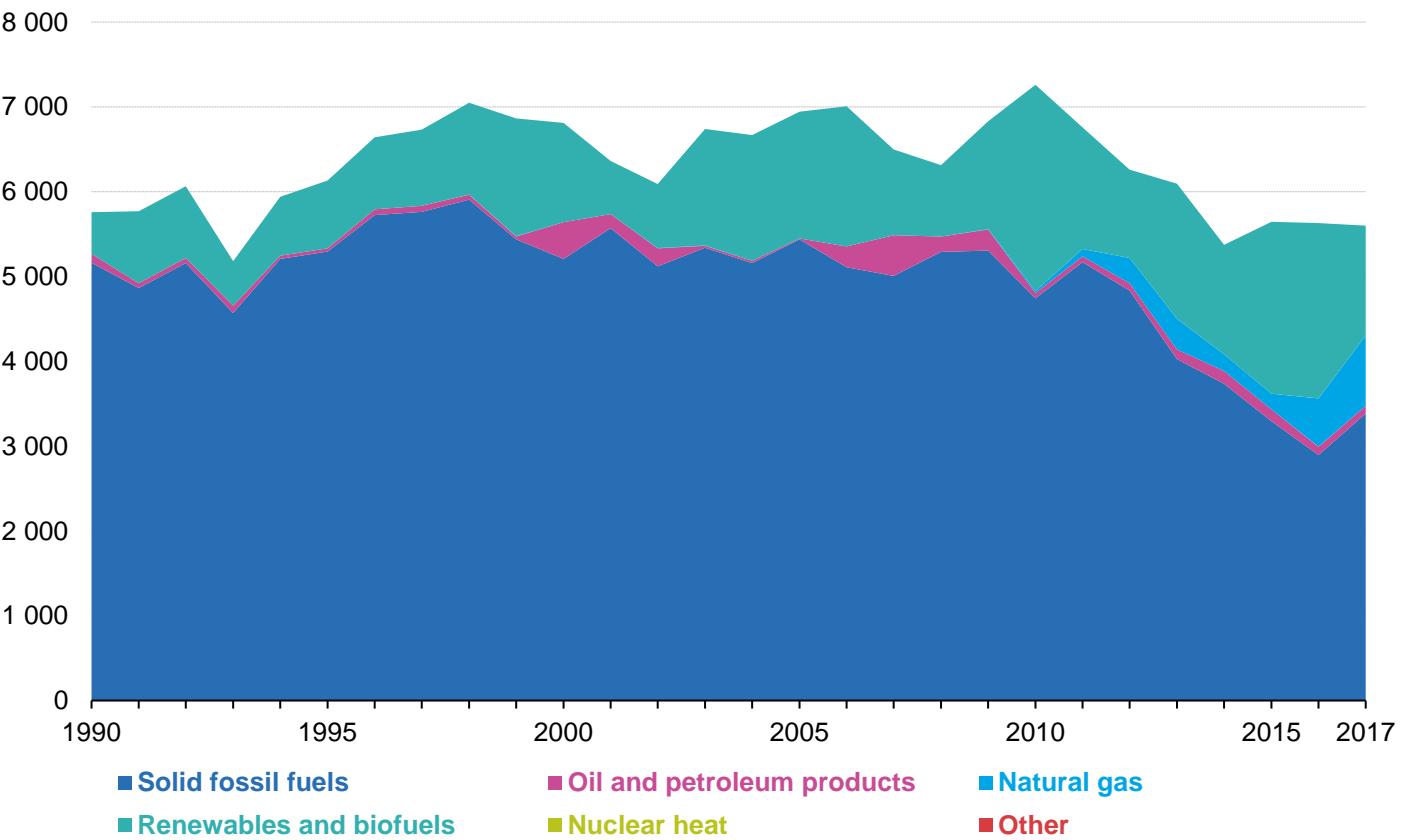
# North Macedonia

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

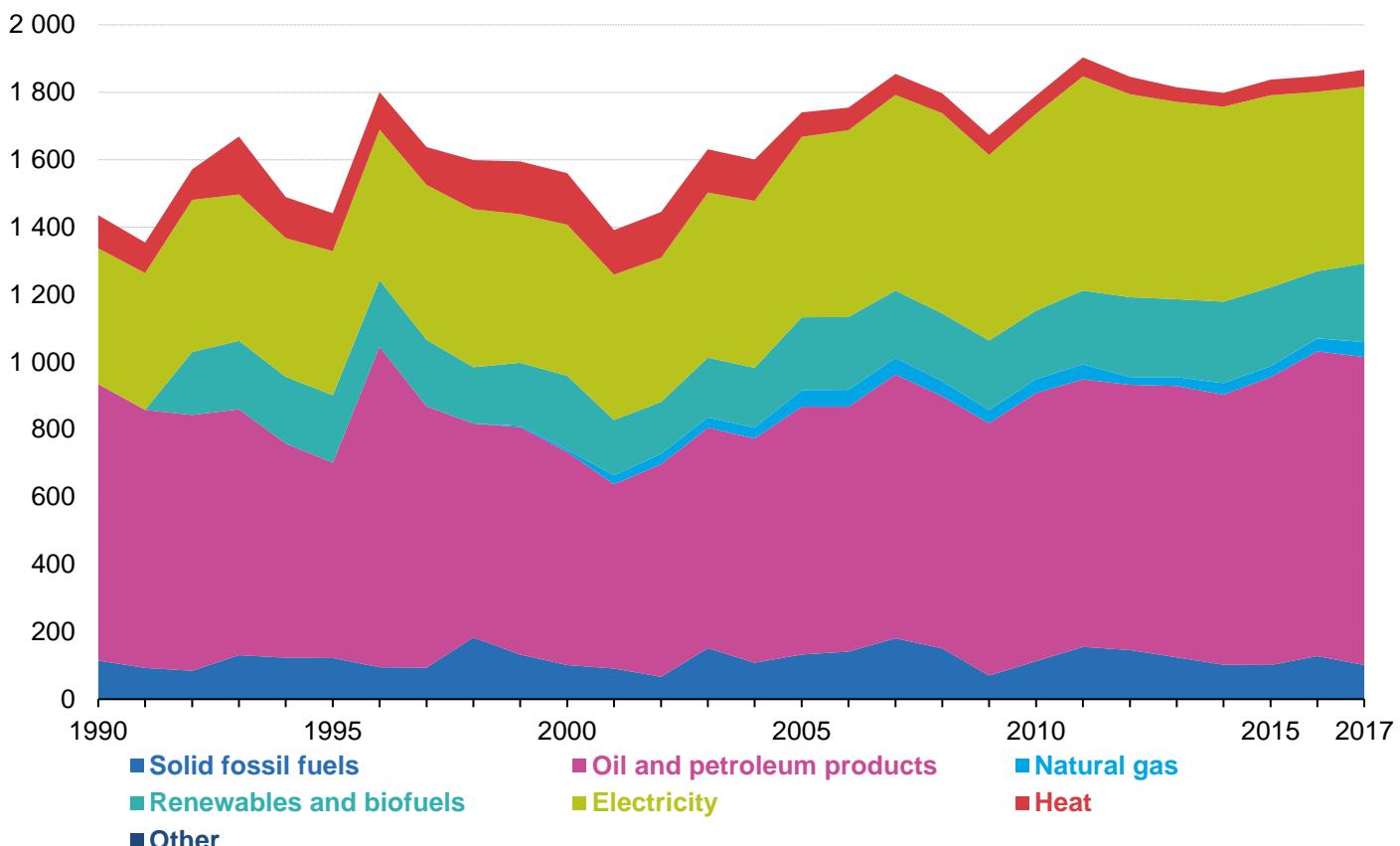


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

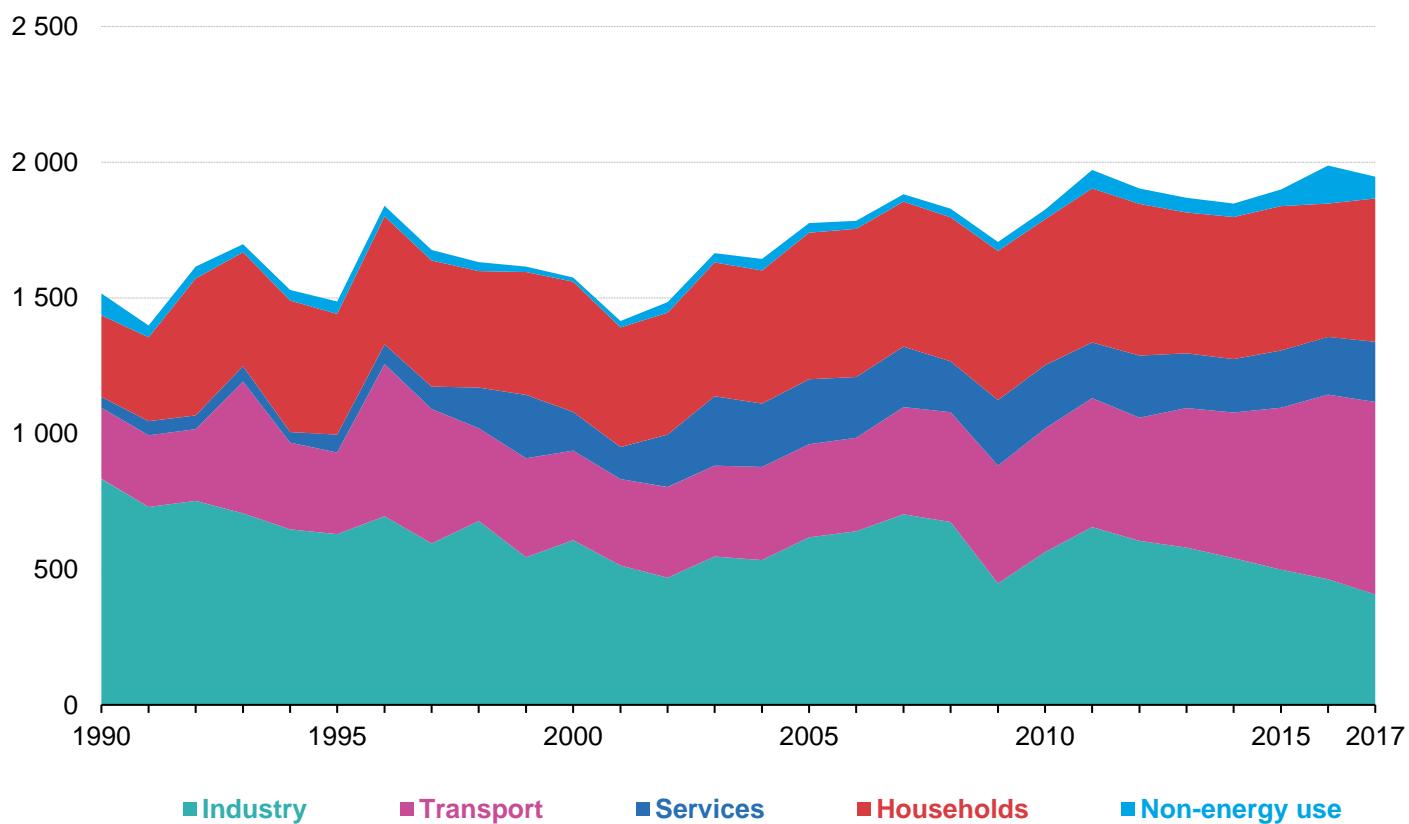
# North Macedonia

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Albania ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		1 634.4	67.6	Z	0.0	0.0	958.9	37.4	570.4	0.0	0.0	Z	Z
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports		1 573.6	48.4	0.0	0.0	0.0	1 181.1	0.0	93.6	0.0	Z	0.0	250.6
- Exports		653.1	0.0	0.0	0.0	0.0	635.9	0.0	17.2	0.0	Z	0.0	0.0
+ Change in stock		-149.8	0.0	0.0	0.0	0.0	-149.8	0.0	0.0	0.0	Z	Z	Z
= Gross available energy		<b>2 405.1</b>	<b>116.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 354.3</b>	<b>37.4</b>	<b>646.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>250.6</b>
- International maritime bunkers		36.8	0.0	0.0	0.0	0.0	36.8	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>2 368.3</b>	<b>116.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 317.5</b>	<b>37.4</b>	<b>646.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>250.6</b>
- International aviation		7.5	Z	Z	Z	Z	7.5	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>2 360.8</b>	<b>116.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 310.1</b>	<b>37.4</b>	<b>646.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>250.6</b>
<b>Transformation input</b>		<b>986.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>513.6</b>	<b>0.0</b>	<b>472.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation		389.2	0.0	0.0	0.0	0.0	0.0	0.0	389.2	0.0	0.0	0.0	0.0
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		513.2	Z	Z	Z	Z	513.2	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		78.2	Z	Z	Z	Z	Z	Z	78.2	Z	Z	Z	Z
+ Charcoal production plants		5.3	Z	Z	Z	Z	Z	Z	5.3	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified		0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>		<b>958.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>489.4</b>	<b>0.0</b>	<b>80.3</b>	<b>Z</b>	<b>Z</b>	<b>0.0</b>	<b>389.2</b>
+ Electricity & heat generation		389.2	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	389.2
+ Coke ovens		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		489.4	Z	Z	Z	Z	489.4	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended		78.2	Z	Z	Z	Z	Z	Z	78.2	Z	Z	Z	Z
+ Charcoal production plants		2.1	Z	Z	Z	Z	Z	Z	2.1	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>107.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>64.4</b>	<b>24.9</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>17.8</b>
+ Own use in electricity & heat genera		2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	2.4
+ Coal mines		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Oil & natural gas extraction plants		31.9	Z	Z	Z	Z	2.5	24.9	0.0	Z	Z	0.0	4.5
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	4.4
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		68.3	0.0	0.0	0.0	0.0	61.9	0.0	0.0	0.0	Z	0.0	6.4
<b>Distribution losses</b>		<b>115.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>109.7</b>
<b>Available for final consumption</b>		<b>2 110.5</b>	<b>116.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 215.4</b>	<b>12.5</b>	<b>254.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>512.3</b>
<b>Final non-energy consumption</b>		<b>37.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>37.9</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>		<b>2 071.8</b>	<b>116.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 176.8</b>	<b>12.5</b>	<b>254.4</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>512.2</b>
+ Industry		398.3	112.7	0.0	0.0	0.0	157.5	12.5	7.7	0.0	Z	0.0	107.9
+ Iron & steel		19.5	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	Z	0.0	15.3
+ Chemical & petrochemical		15.6	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	Z	0.0	7.8
+ Non-ferrous metals		7.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	Z	0.0	6.8
+ Non-metallic minerals		227.5	112.7	0.0	0.0	0.0	106.2	0.0	0.0	0.0	Z	0.0	8.6
+ Transport equipment		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Machinery		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Mining & quarrying		9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	9.5
+ Food, beverages & tobacco		60.1	0.0	0.0	0.0	0.0	20.9	6.5	7.7	0.0	Z	0.0	24.9
+ Paper, pulp & printing		11.7	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	Z	0.0	10.2
+ Wood & wood products		0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.9
+ Construction		8.5	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	Z	0.0	7.3
+ Textile & leather		14.6	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	Z	0.0	12.3
+ Not elsewhere specified (industry)		23.4	0.0	0.0	0.0	0.0	13.1	6.0	0.0	0.0	Z	0.0	4.4
+ Transport		831.9	0.0	0.0	0.0	0.0	753.7	0.0	78.2	0.0	Z	Z	0.0
+ Rail		2.1	0.0	0.0	0.0	0.0	2.1	Z	0.0	0.0	Z	Z	0.0
+ Road		793.9	Z	Z	Z	Z	715.7	0.0	78.2	0.0	Z	Z	0.0
+ Domestic aviation		0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		35.9	0.0	0.0	0.0	0.0	35.9	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport		0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other		841.6	3.3	0.0	0.0	0.0	265.6	0.0	168.4	0.0	Z	0.0	404.3
+ Commercial & public services		213.7	3.3	0.0	0.0	0.0	61.6	0.0	23.5	0.0	Z	0.0	125.3
+ Households		492.6	0.0	0.0	0.0	0.0	107.4	0.0	132.9	0.0	Z	0.0	252.3
+ Agriculture & forestry		75.8	0.0	0.0	0.0	0.0	57.2	0.0	12.0	0.0	Z	0.0	6.6
+ Fishing		39.5	0.0	0.0	0.0	0.0	39.5	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)		20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	20.0
<b>Statistical differences</b>		<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>
Gross electricity production		389.2	0.0	0.0	0.0	0.0	0.0	0.0	389.2	0.0	0.0	Z	Z
Gross heat production		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0

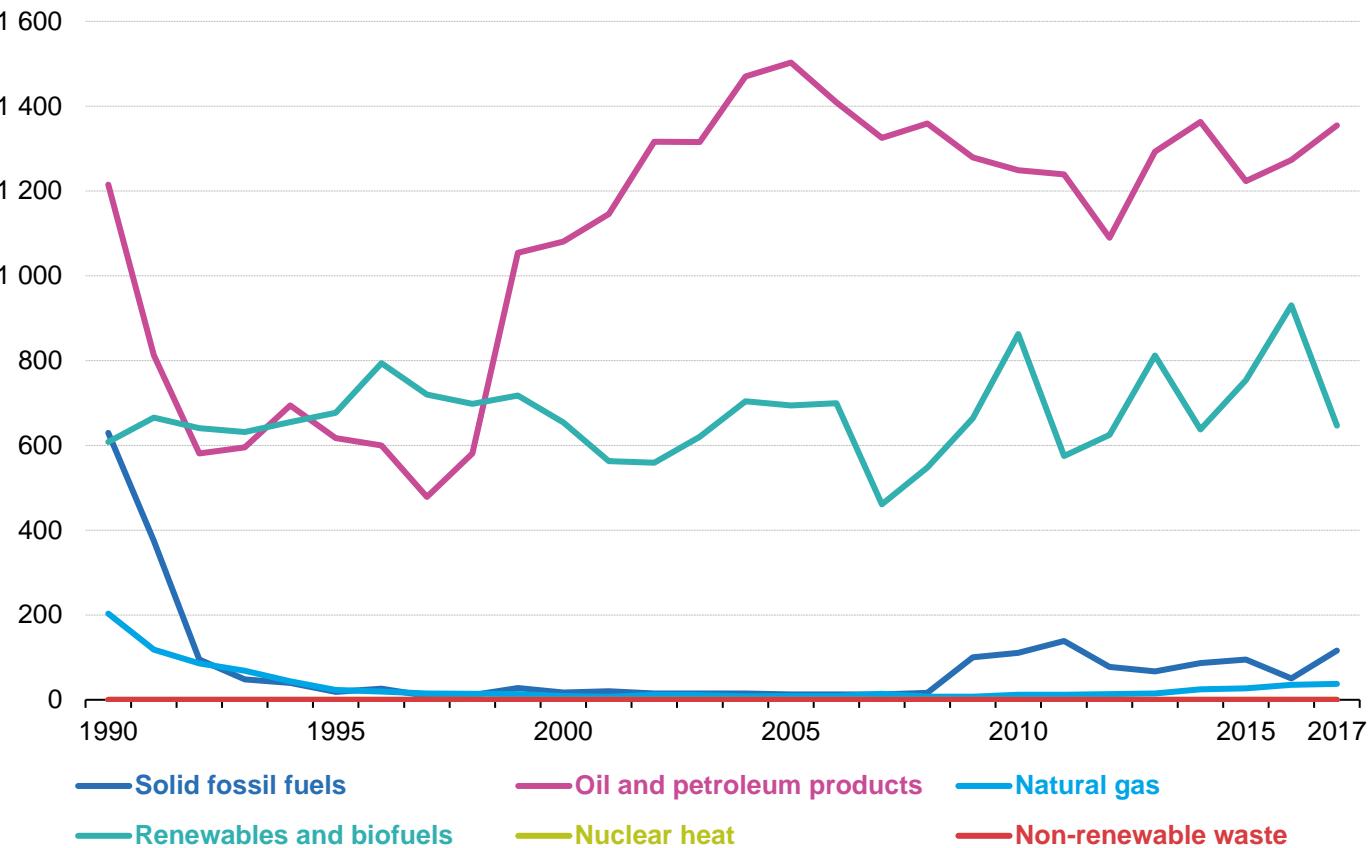
Source: Eurostat (nrg\_bal\_c)

Albania	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	2 251	2 152	2 245	2 023	2 386	2 376	2 220	2 285	2 405	
Solid fossil fuels	13	111	139	77	67	86	95	51	116	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	418	156	297	111	40	361	276	184	513	
Petroleum products	1 085	1 093	942	979	1 253	1 002	947	1 089	841	
Natural gas	9	12	12	13	15	25	27	35	37	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	694	862	575	625	812	638	754	930	647	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
<b>Primary production</b>	1 132	1 620	1 483	1 670	2 034	2 013	2 073	1 943	1 634	
Solid fossil fuels	11	2	1	1	1	0	34	2	68	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	418	744	895	1 031	1 207	1 368	1 279	1 056	959	
Natural gas	9	12	12	13	15	25	27	35	37	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	694	862	575	625	812	621	733	850	570	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
<b>Net imports</b>	1 119	622	801	316	604	682	280	461	920	
Solid fossil fuels	2	109	138	76	66	86	61	49	48	
Crude oil	0	-498	-598	-957	-1 167	-1 007	-987	-888	-488	
Gas/Diesel Oil (w/o bio)	616	643	644	683	956	918	745	755	630	
Motor Gasoline (w/o bio)	177	125	126	106	156	188	169	141	157	
Naphtha	0	-3	-20	-4	-1	-10	-28	-1	-35	
LPG	64	110	114	99	159	177	208	214	285	
All other oil & petroleum products	227	218	116	95	235	49	-29	115	-3	
Natural gas	0	0	0	0	0	0	0	0	0	
<b>Transformation input</b>	924	812	662	517	638	793	813	935	986	
Electricity & heat generation	506	655	365	406	598	406	507	669	389	
Refinery intake	418	157	297	111	40	361	276	179	513	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	851	798	641	510	636	756	813	928	959	
Electricity & heat generation	468	651	360	406	598	406	507	669	389	
Refinery output	383	147	280	104	38	324	275	175	489	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	67	32	101	94	57	62	44	118	107	
<b>Distribution losses</b>	54	82	101	96	167	96	107	128	116	
<b>Available for final consumption</b>	1 998	2 006	2 002	1 806	2 117	2 152	2 045	1 991	2 111	
Solid fossil fuels	13	111	139	77	67	86	95	51	116	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	690	664	731	703	761	770	762	723	739	
Motor Gasoline (w/o bio)	192	125	126	106	119	127	125	113	112	
Naphtha	0	0	0	0	0	9	0	0	0	
LPG	64	110	114	99	123	133	150	156	181	
All other oil & petroleum products	367	297	184	126	236	229	148	207	183	
Natural gas	0	1	2	3	6	7	11	10	13	
Primary solid biofuels & charcoal	230	205	208	207	201	193	204	159	159	
Liquid biofuels	0	0	0	0	0	26	30	82	78	
All other renewable energies	2	7	12	12	12	12	12	17	17	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	439	486	486	472	593	560	507	473	512	
Heat	0	0	0	0	0	0	0	0	0	
<b>Statistical difference</b>	32	-2	0	-23	-5	1	1	5	1	
<b>Final non-energy consumption</b>	123	110	48	38	161	92	81	102	38	
<b>Final energy consumption</b>	1 843	1 898	1 953	1 791	1 962	2 059	1 963	1 883	2 072	
Industry	211	355	380	277	281	373	302	284	398	
Transport	785	733	768	737	804	834	829	833	832	
Other sectors	847	810	806	777	876	852	832	767	842	
Services	206	159	163	157	191	179	197	176	214	
Households	517	489	498	509	580	556	532	486	493	

Source: Eurostat (nrg\_bal\_c)

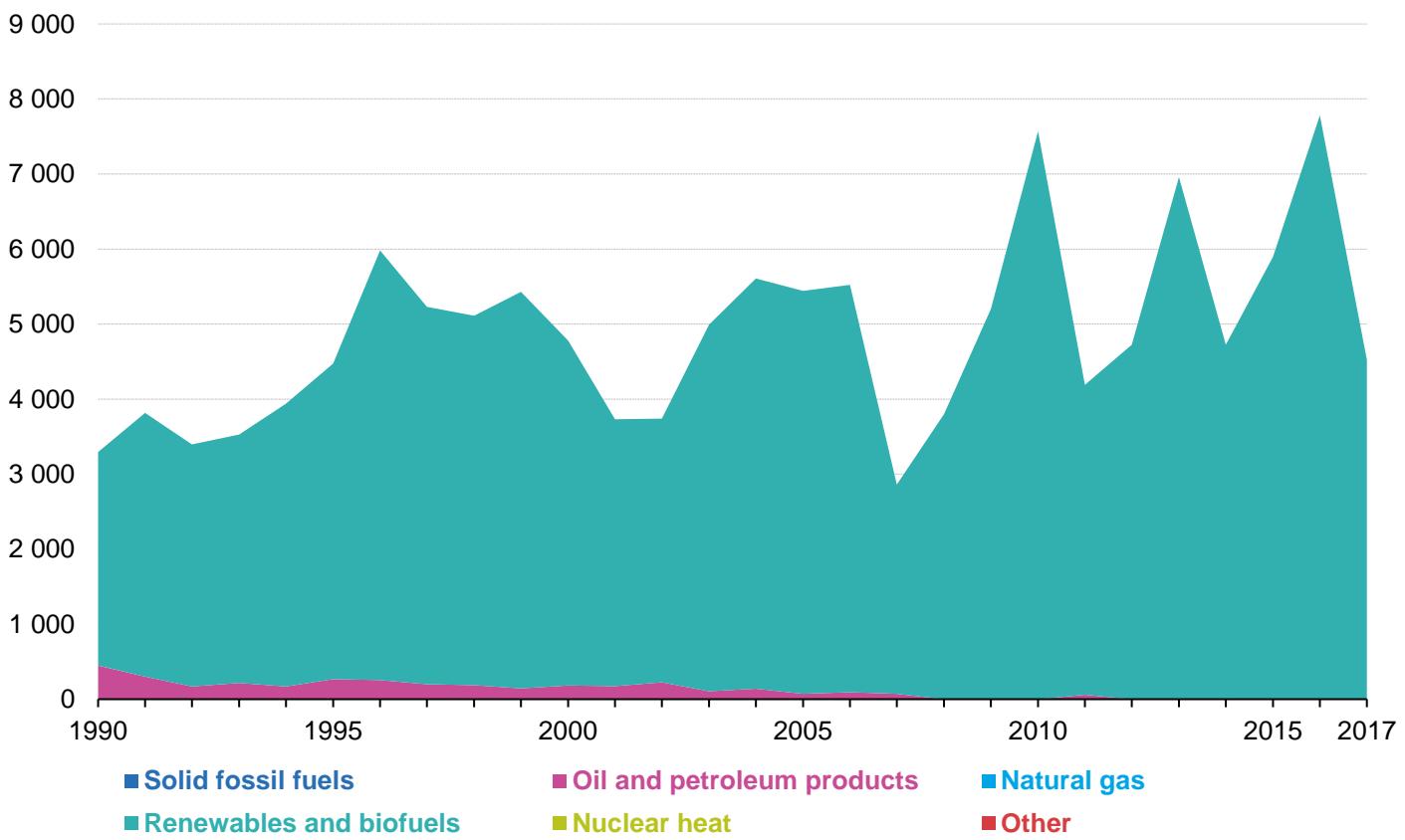
# Albania

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

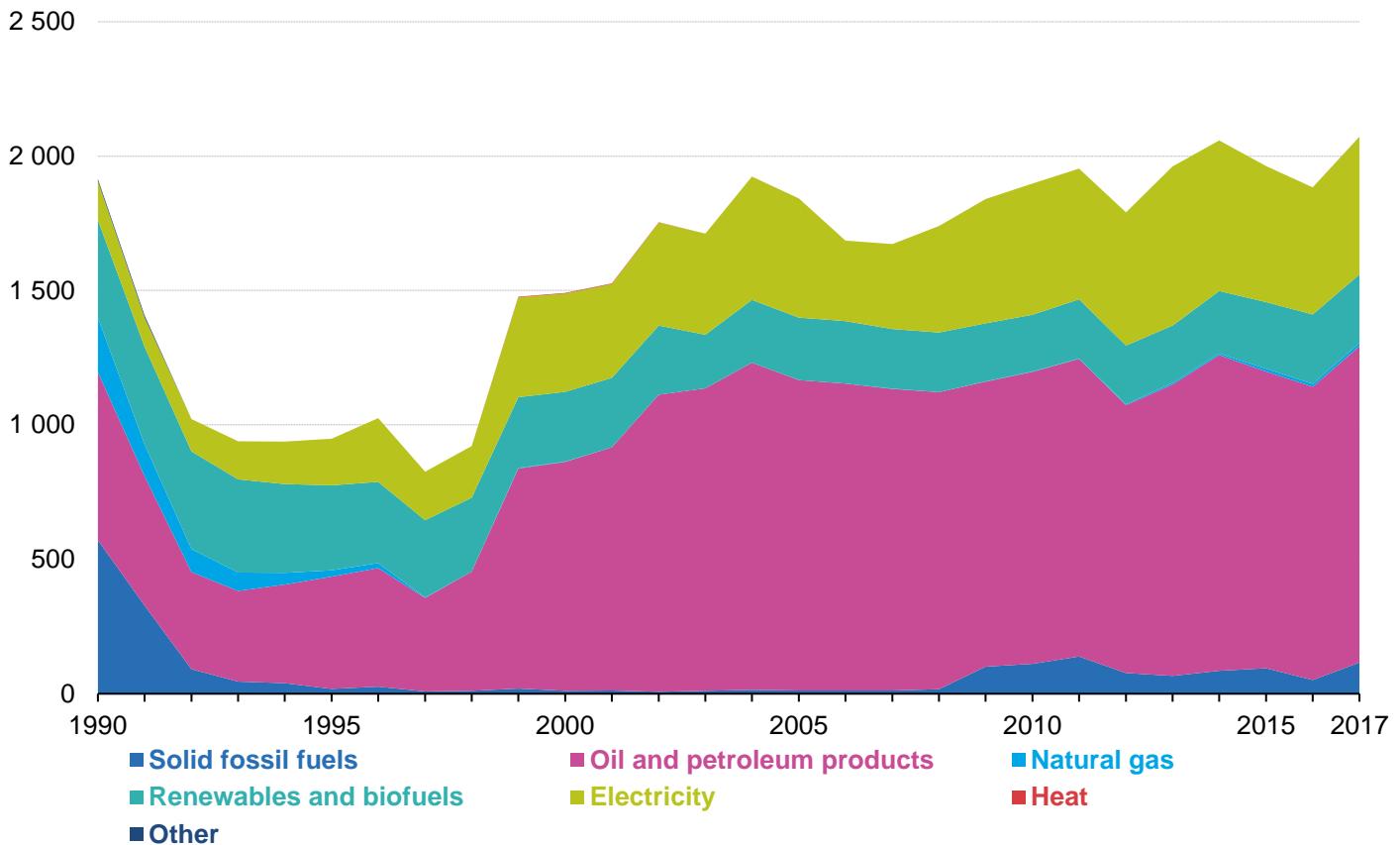


Source: Eurostat (nrg\_bal\_c)

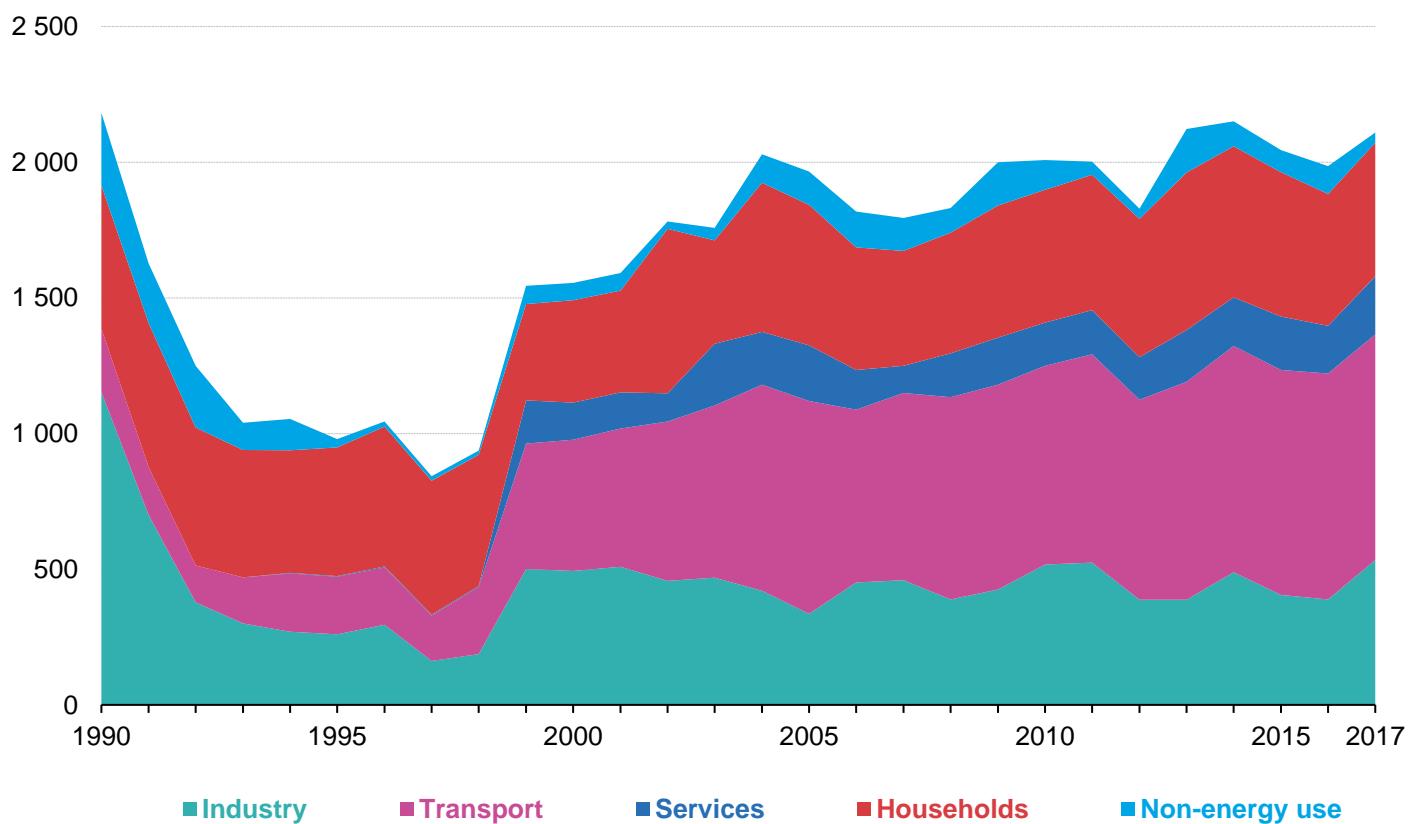
Note: Please refer to page 23 for related methodological definitions.

# Albania

## Final energy consumption by fuel, ktoe



## Final consumption by sector, ktoe



Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

Serbia ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		10 495.5	7 216.2	Z	0.0	0.0	987.8	389.4	1 901.1	1.0	0.0	Z	Z
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports		6 769.2	686.3	0.0	0.0	0.0	3 745.7	1 737.9	36.2	0.0	Z	0.0	563.1
- Exports		1 438.9	16.7	0.0	0.0	0.0	867.4	0.0	62.6	0.0	Z	0.0	492.2
+ Change in stock		-62.8	-13.2	0.0	0.0	0.0	-49.0	-10.2	9.6	0.0	Z	Z	Z
= Gross available energy		<b>15 763.1</b>	<b>7 872.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 817.1</b>	<b>2 117.2</b>	<b>1 884.2</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>70.9</b>
- International maritime bunkers		14.7	0.0	0.0	0.0	0.0	14.7	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>15 748.4</b>	<b>7 872.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 802.4</b>	<b>2 117.2</b>	<b>1 884.2</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>70.9</b>
- International aviation		132.8	Z	Z	Z	Z	132.8	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>15 615.6</b>	<b>7 872.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 669.6</b>	<b>2 117.2</b>	<b>1 884.2</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>70.9</b>
<b>Transformation input</b>		<b>13 845.1</b>	<b>7 553.2</b>	<b>101.5</b>	<b>0.0</b>	<b>0.0</b>	<b>4 517.1</b>	<b>745.3</b>	<b>846.3</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>80.7</b>
+ Electricity & heat generation		8 668.5	6 842.8	101.5	0.0	0.0	189.4	647.2	806.1	1.0	0.0	0.0	80.7
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		508.5	508.5	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		4 327.7	Z	Z	Z	Z	4 327.7	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		202.0	202.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants		40.2	Z	Z	Z	Z	Z	Z	40.2	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		98.1	0.0	0.0	0.0	0.0	0.0	98.1	0.0	0.0	Z	Z	Z
<b>Transformation output</b>		<b>8 782.3</b>	<b>215.8</b>	<b>253.4</b>	<b>0.0</b>	<b>Z</b>	<b>4 227.8</b>	<b>0.0</b>	<b>14.2</b>	<b>Z</b>	<b>Z</b>	<b>885.8</b>	<b>3 185.3</b>
+ Electricity & heat generation		4 071.2	Z	Z	Z	Z	Z	Z	Z	Z	Z	885.8	3 185.3
+ Coke ovens		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		253.4	0.0	253.4	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		4 162.1	Z	Z	Z	Z	4 162.1	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		215.8	215.8	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants		14.2	Z	Z	Z	Z	Z	Z	14.2	Z	Z	Z	Z
+ Gas-to-liquids plants		65.7	Z	Z	Z	Z	Z	Z	65.7	Z	Z	Z	Z
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	Z	Z	0.0	Z	Z	Z	Z
<b>Energy sector</b>		<b>693.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>136.2</b>	<b>161.6</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>51.7</b>	<b>344.1</b>
+ Own use in electricity & heat genera		311.5	0.0	0.0	0.0	0.0	38.0	0.0	0.0	0.0	Z	37.3	236.2
+ Coal mines		50.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	50.3
+ Oil & natural gas extraction plants		71.0	Z	Z	Z	Z	0.0	63.5	0.0	Z	Z	0.0	7.5
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants		3.6	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	3.6
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		215.6	0.0	0.0	0.0	0.0	98.2	95.5	0.0	0.0	Z	0.0	21.9
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		41.7	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	Z	14.5	24.6
<b>Distribution losses</b>		<b>586.3</b>	<b>0.4</b>	<b>60.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>28.7</b>	<b>0.1</b>	<b>0.0</b>	<b>Z</b>	<b>82.9</b>	<b>413.3</b>
<b>Available for final consumption</b>		<b>9 272.9</b>	<b>534.8</b>	<b>91.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 244.1</b>	<b>1 181.5</b>	<b>1 052.0</b>	<b>0.0</b>	<b>0.0</b>	<b>751.2</b>	<b>2 418.2</b>
<b>Final non-energy consumption</b>		<b>855.5</b>	<b>2.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>614.3</b>	<b>238.3</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>		<b>8 443.4</b>	<b>534.0</b>	<b>91.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2 653.9</b>	<b>943.2</b>	<b>1 051.8</b>	<b>0.0</b>	<b>Z</b>	<b>751.2</b>	<b>2 418.2</b>
+ Industry		2 347.6	261.4	91.0	0.0	0.0	329.8	543.2	185.7	0.0	Z	214.1	722.4
+ Iron & steel		327.0	55.1	91.0	0.0	0.0	0.3	87.2	0.0	0.0	Z	14.4	79.1
+ Chemical & petrochemical		475.3	55.8	0.0	0.0	0.0	60.8	158.1	5.7	0.0	Z	86.4	108.5
+ Non-ferrous metals		78.5	0.0	0.0	0.0	0.0	7.1	20.4	2.7	0.0	Z	10.0	38.3
+ Non-metallic minerals		374.3	84.2	0.0	0.0	0.0	143.3	74.8	6.3	0.0	Z	1.0	64.7
+ Transport equipment		56.1	0.0	0.0	0.0	0.0	6.6	26.3	0.5	0.0	Z	0.6	22.0
+ Machinery		135.6	8.5	0.0	0.0	0.0	33.7	12.8	23.0	0.0	Z	1.1	56.5
+ Mining & quarrying		54.9	0.0	0.0	0.0	0.0	15.4	0.3	0.2	0.0	Z	0.0	39.0
+ Food, beverages & tobacco		414.2	15.5	0.0	0.0	0.0	35.4	113.2	59.3	0.0	Z	50.9	139.8
+ Paper, pulp & printing		114.2	17.2	0.0	0.0	0.0	2.2	27.5	5.4	0.0	Z	18.4	43.3
+ Wood & wood products		32.1	0.0	0.0	0.0	0.0	0.8	1.2	18.6	0.0	Z	0.1	11.4
+ Construction		46.2	0.6	0.0	0.0	0.0	16.4	0.0	0.0	0.0	Z	0.0	29.2
+ Textile & leather		78.5	5.8	0.0	0.0	0.0	5.4	10.3	23.2	0.0	Z	1.4	32.3
+ Not elsewhere specified (industry)		160.9	18.6	0.0	0.0	0.0	2.4	11.1	40.8	0.0	Z	29.8	58.4
+ Transport		2 112.1	0.0	0.0	0.0	0.0	2 075.7	4.2	0.0	0.0	Z	0.0	32.2
+ Rail		42.5	0.0	0.0	0.0	0.0	10.2	Z	0.0	0.0	Z	0.0	32.2
+ Road		2 061.0	Z	Z	Z	Z	2 058.7	2.4	0.0	0.0	Z	0.0	0.0
+ Domestic aviation		0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		6.8	0.0	0.0	0.0	0.0	6.8	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport		1.9	Z	Z	Z	Z	0.0	1.9	0.0	Z	Z	0.0	0.0
+ Not elsewhere specified (transport)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Other		3 983.7	272.6	0.0	0.0	0.0	248.4	395.8	866.1	0.0	Z	537.1	1 663.6
+ Commercial & public services		939.6	44.0	0.0	0.0	0.0	67.0	186.7	53.4	0.0	Z	142.2	446.3
+ Households		2 853.6	228.6	0.0	0.0	0.0	47.6	191.1	803.5	0.0	Z	394.9	1 187.9
+ Agriculture & forestry		190.5	0.1	0.0	0.0	0.0	133.8	18.0	9.2	0.0	Z	0.0	29.4
+ Fishing		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>		<b>-26.0</b>	<b>-2.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-24.1</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production		3 185.3	2 275.5	7.7	0.0	0.0	4.1	47.2	850.3	0.4	0.0	Z	Z
Gross heat production		885.8	162.3	52.4	0.0	0.0	155.7	512.0	3.3	0.0	0.0	Z	0.0

Source: Eurostat (nrg\_bal\_c)

eurostat ■ Energy balance sheets — 2017 data

Serbia	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	16 047	15 608	16 325	14 610	14 950	13 374	14 833	15 452	15 763	
Solid fossil fuels	8 054	7 753	8 758	7 621	7 910	6 261	7 740	7 918	7 873	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	3 800	3 064	2 580	2 339	3 099	3 144	3 370	3 427	3 663	
Petroleum products	630	899	1 316	1 095	363	219	119	380	154	
Natural gas	1 947	1 853	1 903	1 678	1 867	1 609	1 750	1 891	2 117	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	1 784	2 055	1 786	1 843	1 929	2 006	1 931	2 001	1 884	
Non-renewable wastes	0	9	7	0	0	0	0	1	1	
<b>Primary production</b>	10 236	10 551	11 169	10 793	11 371	9 443	10 762	10 695	10 496	
Solid fossil fuels	7 461	7 229	7 825	7 278	7 671	5 713	7 201	7 201	7 216	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	663	940	1 122	1 229	1 277	1 216	1 121	1 028	988	
Natural gas	229	308	405	425	423	444	456	417	389	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	1 884	2 064	1 811	1 861	2 000	2 071	1 984	2 049	1 901	
Non-renewable wastes	0	9	7	0	0	0	0	1	1	
<b>Net imports</b>	5 875	5 231	4 970	4 082	3 602	3 736	4 108	4 593	5 330	
Solid fossil fuels	657	726	794	405	275	469	622	625	670	
Crude oil	3 138	1 988	1 466	1 074	1 697	1 515	1 899	2 312	2 583	
Gas/Diesel Oil (w/o bio)	92	593	823	738	384	392	315	328	315	
Motor Gasoline (w/o bio)	265	0	27	59	-17	-72	-88	-79	-69	
Naphtha	185	260	245	53	8	-30	-3	78	45	
LPG	80	279	328	294	170	164	98	132	102	
All other oil & petroleum products	8	-155	-59	30	-139	107	15	-10	-97	
Natural gas	1 718	1 567	1 391	1 425	1 503	1 111	1 386	1 429	1 738	
<b>Transformation input</b>	13 734	12 518	12 675	11 440	13 266	11 487	13 309	13 621	13 845	
Electricity & heat generation	9 370	8 619	9 186	8 496	8 930	7 344	8 647	8 688	8 669	
Refinery intake	3 800	3 049	2 593	2 380	3 331	3 347	3 624	3 690	3 901	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	179	410	347	109	146	207	346	449	509	
<b>Transformation output</b>	7 962	7 734	7 483	6 761	8 326	7 543	8 394	8 717	8 782	
Electricity & heat generation	4 302	4 188	4 309	4 005	4 248	3 662	4 135	4 245	4 071	
Refinery output	3 336	2 975	2 540	2 328	3 234	3 232	3 479	3 534	3 738	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	74	219	234	72	76	115	173	228	253	
<b>Energy sector</b>	244	527	481	570	593	593	710	700	694	
<b>Distribution losses</b>	531	681	663	602	597	554	570	567	586	
<b>Available for final consumption</b>	9 451	9 571	9 940	8 715	8 766	8 196	8 549	9 142	9 273	
Solid fossil fuels	703	809	1 017	677	535	462	519	666	535	
Manufactured gases	3	74	92	29	33	47	62	81	91	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	1 334	1 535	1 593	1 502	1 547	1 601	1 585	1 632	1 733	
Motor Gasoline (w/o bio)	1 074	518	486	444	421	423	430	443	450	
Naphtha	334	378	361	98	354	228	254	327	354	
LPG	178	414	435	408	409	333	294	319	249	
All other oil & petroleum products	506	460	486	511	388	423	439	505	458	
Natural gas	1 238	1 147	1 134	936	1 002	767	869	1 023	1 182	
Primary solid biofuels & charcoal	803	1 025	1 020	1 023	1 026	1 029	1 030	1 034	1 035	
Liquid biofuels	0	0	0	0	0	0	0	0	0	
All other renewable energies	0	5	7	7	5	9	11	9	17	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	2 207	2 388	2 425	2 351	2 328	2 255	2 338	2 373	2 418	
Heat	1 071	818	884	729	718	621	716	730	751	
<b>Statistical difference</b>	-285	1	16	-27	6	-11	5	15	-26	
<b>Final non-energy consumption</b>	387	807	842	331	558	526	601	849	856	
<b>Final energy consumption</b>	9 348	8 763	9 082	8 412	8 202	7 681	7 942	8 278	8 443	
Industry	3 352	2 429	2 740	2 464	2 396	1 955	2 103	2 246	2 348	
Transport	2 206	2 231	2 042	1 807	1 972	2 041	1 986	2 029	2 112	
Other sectors	3 791	4 103	4 300	4 142	3 834	3 685	3 853	4 003	3 984	
Services	586	906	1 047	835	804	772	875	886	940	
Households	3 096	3 079	3 135	3 122	2 847	2 753	2 826	2 924	2 854	

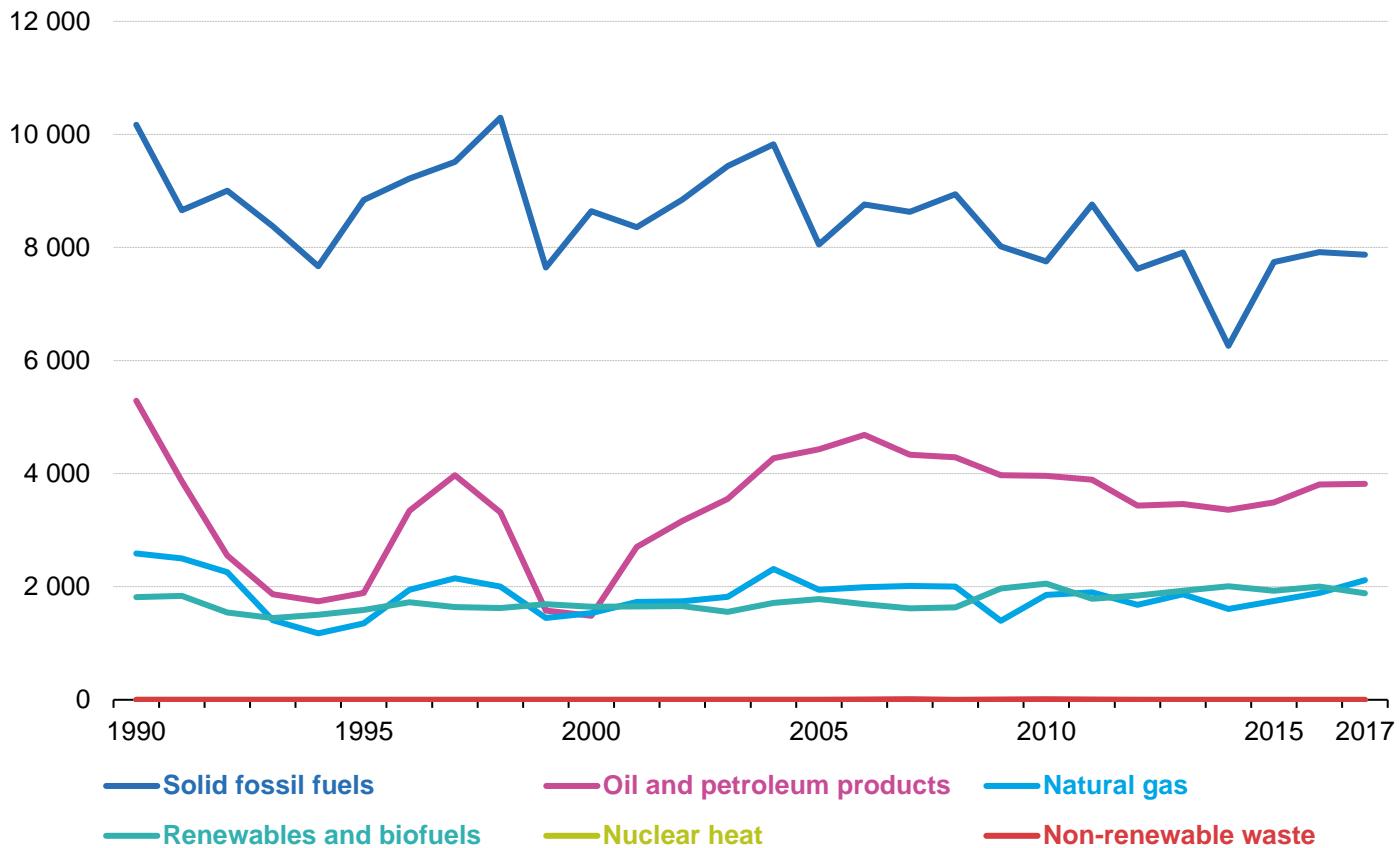
Source: Eurostat (nrg\_bal\_c)

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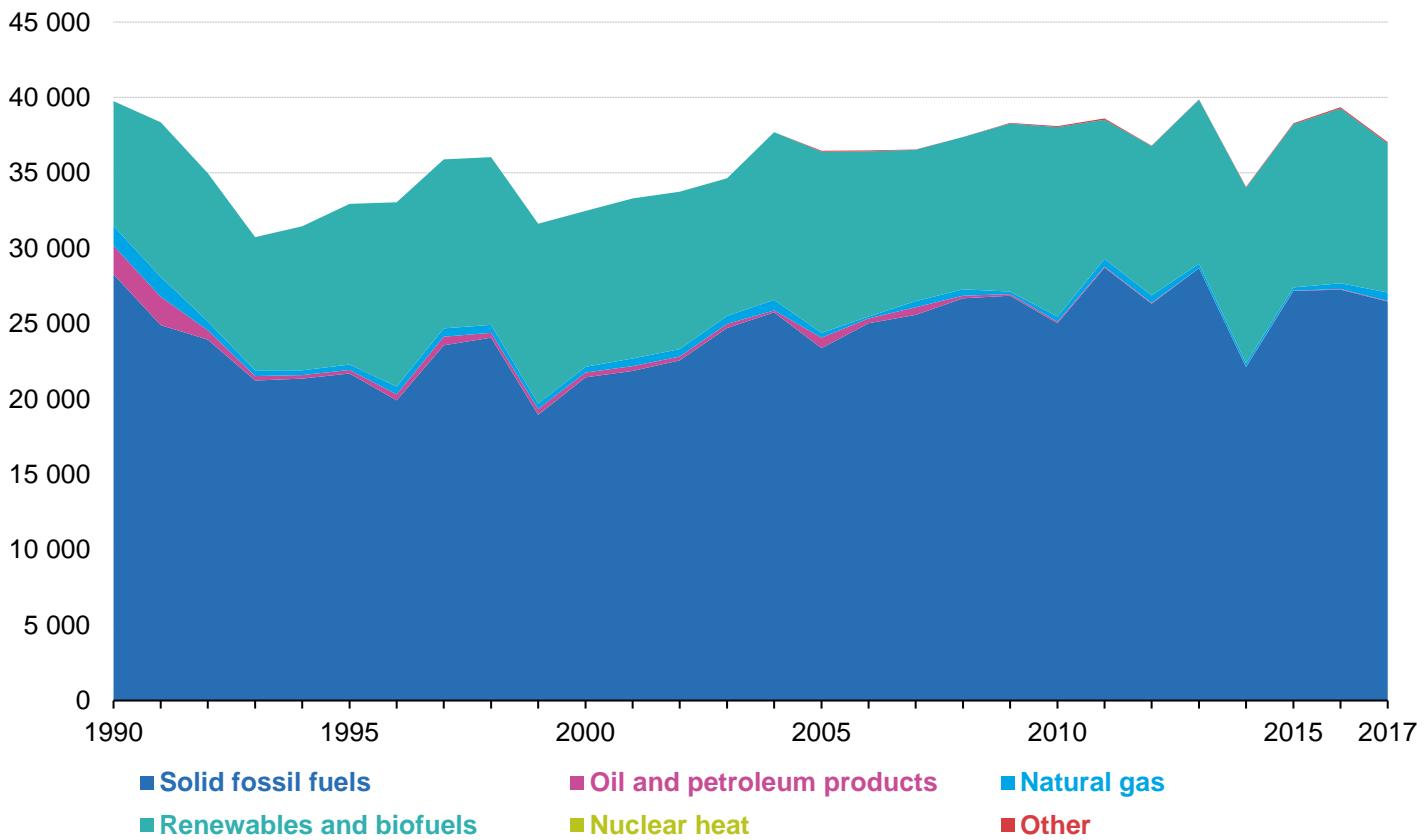
# Serbia

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

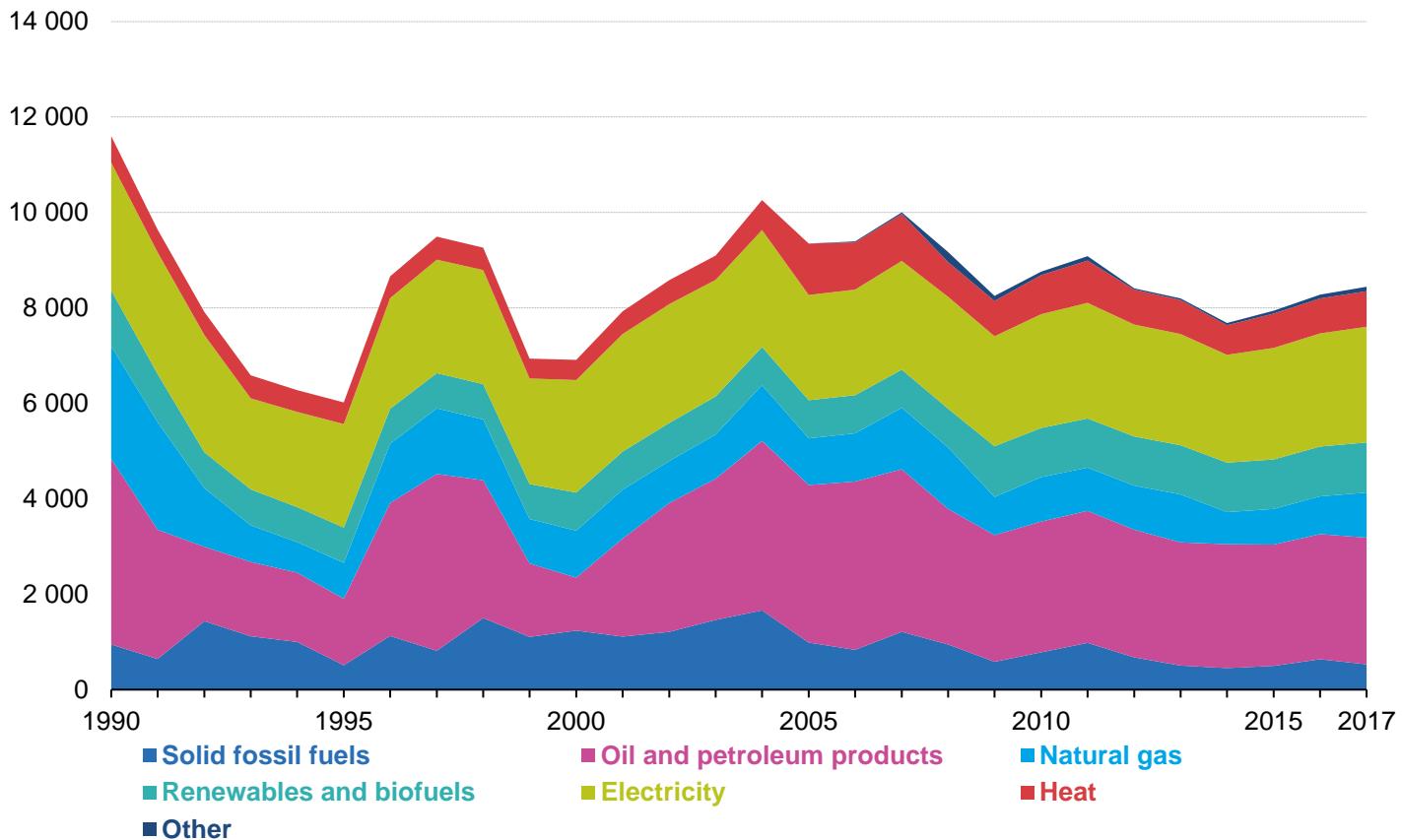


Source: Eurostat (*nrg\_bal\_c*)

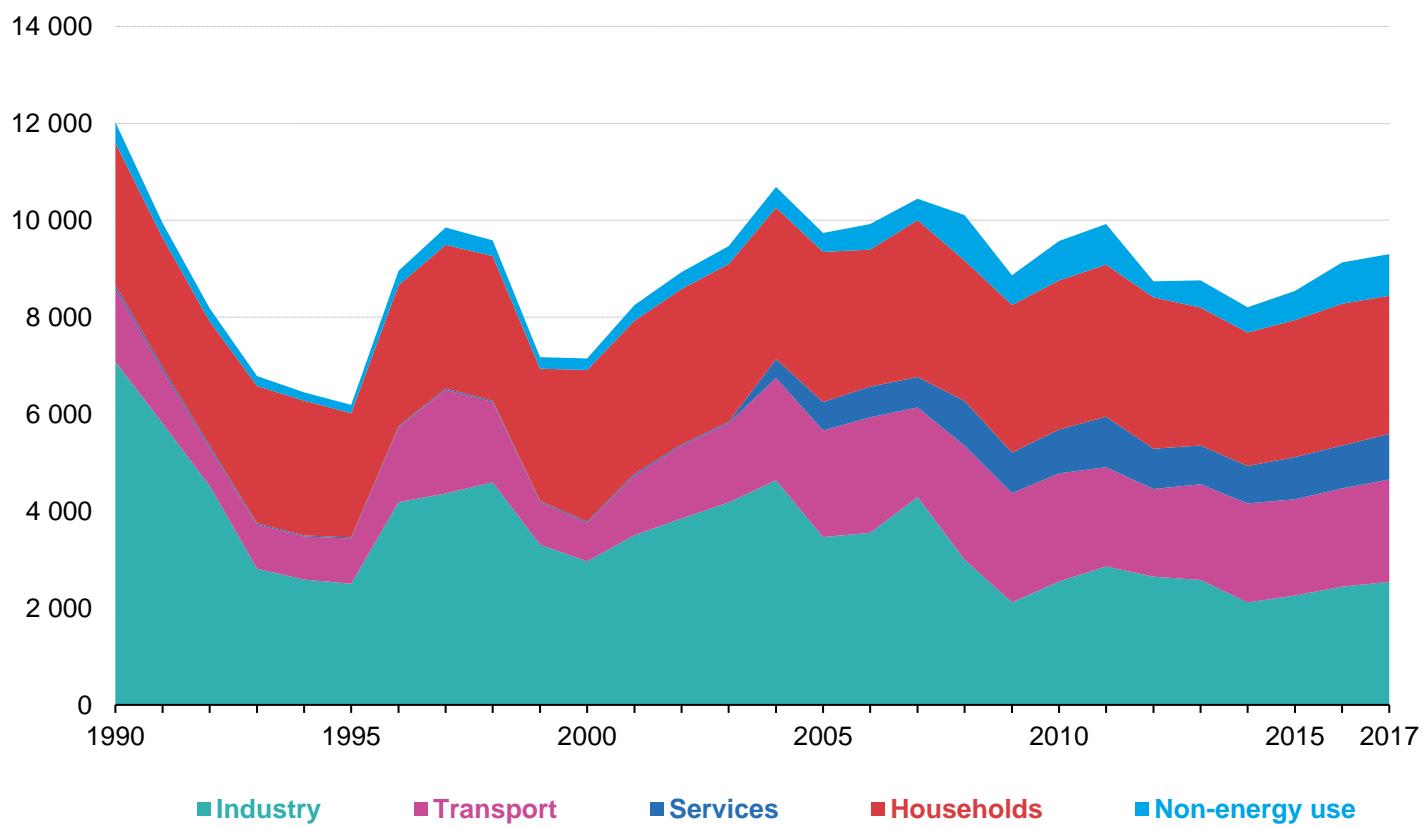
Note: Please refer to page 23 for related methodological definitions.

# Serbia

## Final energy consumption by fuel, ktoe



## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Turkey ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity	
+ Primary production		36 470.9	15 682.0	Z	0.0	0.0	2 699.8	291.6	17 739.1	58.4	0.0	Z	Z	
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	
+ Imports		124 605.2	24 911.6	0.0	0.0	0.0	53 971.6	45 487.5	0.0	0.0	Z	0.0	234.6	
- Exports		7 896.0	173.1	0.0	0.0	0.0	6 919.6	519.3	0.0	0.0	Z	0.0	284.1	
+ Change in stock		-1 921.4	-329.4	0.0	0.0	0.0	-564.4	-1 027.3	-0.3	0.0	Z	Z	Z	
= Gross available energy		<b>151 258.7</b>	<b>40 091.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>49 187.3</b>	<b>44 232.5</b>	<b>17 738.9</b>	<b>58.4</b>	<b>0.0</b>	<b>0.0</b>	<b>-49.5</b>	
- International maritime bunkers		854.9	0.0	0.0	0.0	0.0	854.9	0.0	0.0	Z	Z	Z	Z	
= Gross inland consumption		<b>150 403.8</b>	<b>40 091.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>48 332.4</b>	<b>44 232.5</b>	<b>17 738.9</b>	<b>58.4</b>	<b>0.0</b>	<b>0.0</b>	<b>-49.5</b>	
- International aviation		3 679.4	Z	Z	Z	Z	3 679.4	Z	0.0	Z	Z	Z	Z	
= Total energy supply		<b>146 724.4</b>	<b>40 091.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>44 653.0</b>	<b>44 232.5</b>	<b>17 738.9</b>	<b>58.4</b>	<b>0.0</b>	<b>0.0</b>	<b>-49.5</b>	
<b>Transformation input</b>		<b>102 931.6</b>	<b>30 891.0</b>	<b>842.0</b>	<b>0.0</b>	<b>0.0</b>	<b>40 402.5</b>	<b>17 725.6</b>	<b>12 673.9</b>	<b>58.4</b>	<b>0.0</b>	<b>338.1</b>	<b>0.0</b>	
+ Electricity & heat generation		54 299.2	22 935.7	842.0	0.0	0.0	244.1	17 320.5	12 560.3	58.4	0.0	338.1	0.0	
+ Coke ovens		4 181.5	4 181.5	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Blast furnaces		3 773.9	3 773.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	
+ Refineries & petrochemical industry		40 158.5	Z	Z	Z	Z	40 158.5	Z	Z	Z	Z	Z	Z	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z	
+ Liquid biofuels blended		113.5	Z	Z	Z	Z	Z	Z	113.5	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Not elsewhere specified		405.1	0.0	0.0	0.0	0.0	0.0	405.1	0.0	0.0	Z	Z	Z	
<b>Transformation output</b>		<b>71 782.0</b>	<b>2 917.1</b>	<b>2 000.4</b>	<b>0.0</b>	<b>Z</b>	<b>39 785.3</b>	<b>0.0</b>	<b>145.6</b>	<b>Z</b>	<b>Z</b>	<b>1 372.4</b>	<b>25 561.3</b>	
+ Electricity & heat generation		26 933.6	Z	Z	Z	Z	Z	Z	Z	Z	Z	1 372.4	25 561.3	
+ Coke ovens		3 628.9	2 917.1	711.7	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Blast furnaces		1 288.6	0.0	1 288.6	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ Refineries & petrochemical industry		39 335.3	Z	Z	Z	Z	39 335.3	Z	0.0	Z	Z	Z	Z	
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
+ BKB & PB plants		0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z	
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z	
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	
+ Liquid biofuels blended		145.6	Z	Z	Z	Z	Z	Z	145.6	Z	Z	Z	Z	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	
+ Gas-to-liquids plants		450.1	Z	Z	Z	Z	450.1	Z	Z	Z	Z	Z	Z	
+ Not elsewhere specified		0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	
<b>Energy sector</b>		<b>6 755.3</b>	<b>235.8</b>	<b>846.5</b>	<b>0.0</b>	<b>0.0</b>	<b>2 717.3</b>	<b>1 567.2</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>1 388.5</b>	
+ Own use in electricity & heat genera		1 359.6	235.8	0.0	0.0	0.0	0.0	4.3	0.0	0.0	Z	0.0	1 119.5	
+ Coal mines		77.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	77.9	
+ Oil & natural gas extraction plants		25.5	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	25.5	
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Coke ovens		343.2	0.0	343.2	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ BKB & PB plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Gas works		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Blast furnaces		503.3	0.0	503.3	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
+ Petroleum refineries (oil refineries)		4 440.7	0.0	0.0	0.0	0.0	0.0	2 717.3	1 562.9	0.0	0.0	Z	0.0	160.4
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0	
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0	
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0	
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0	
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0	
+ Not elsewhere specified (energy)		5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	5.2	
<b>Distribution losses</b>		<b>2 983.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>2 980.2</b>		
<b>Available for final consumption</b>		<b>105 836.0</b>	<b>11 881.5</b>	<b>311.9</b>	<b>0.0</b>	<b>0.0</b>	<b>41 318.5</b>	<b>24 936.3</b>	<b>5 210.6</b>	<b>0.0</b>	<b>0.0</b>	<b>1 034.2</b>	<b>21 143.1</b>	
<b>Final non-energy consumption</b>		<b>4 921.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4 515.5</b>	<b>406.1</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>		<b>100 457.1</b>	<b>11 793.9</b>	<b>311.9</b>	<b>0.0</b>	<b>0.0</b>	<b>36 218.3</b>	<b>24 745.2</b>	<b>5 210.6</b>	<b>0.0</b>	<b>Z</b>	<b>1 034.2</b>	<b>21 143.1</b>	
+ Industry		32 114.4	6 027.7	311.9	0.0	0.0	4 402.2	10 296.6	295.0	0.0	Z	1 034.2	9 746.7	
+ Iron & steel		4 531.8	755.9	311.9	0.0	0.0	17.8	1 252.8	0.0	0.0	Z	0.0	2 193.4	
+ Chemical & petrochemical		2 694.3	494.7	0.0	0.0	0.0	5.3	1 667.2	0.0	0.0	Z	0.0	527.2	
+ Non-ferrous metals		923.3	227.5	0.0	0.0	0.0	5.2	368.0	0.0	0.0	Z	0.0	322.7	
+ Non-metallic minerals		9 620.4	2 704.2	0.0	0.0	0.0	3 903.4	1 775.0	0.0	0.0	Z	0.0	1 237.6	
+ Transport equipment		163.9	5.7	0.0	0.0	0.0	14.2	144.1	0.0	0.0	Z	0.0	0.0	
+ Machinery		932.3	23.0	0.0	0.0	0.0	7.6	222.3	0.0	0.0	Z	0.0	679.3	
+ Mining & quarrying		488.6	89.4	0.0	0.0	0.0	160.0	118.6	0.0	0.0	Z	0.0	120.6	
+ Food, beverages & tobacco		2 501.1	810.2	0.0	0.0	0.0	29.9	1 017.6	0.0	0.0	Z	0.0	643.4	
+ Paper, pulp & printing		726.9	216.2	0.0	0.0	0.0	6.3	202.9	0.0	0.0	Z	0.0	301.5	
+ Wood & wood products		375.7	10.1	0.0	0.0	0.0	4.1	161.4	0.0	0.0	Z	0.0	200.0	
+ Construction		903.7	0.0	0.0	0.0	0.0	80.8	503.0	0.0	0.0	Z	0.0	320.0	
+ Textile & leather		3 099.8	690.7	0.0	0.0	0.0	11.0	934.5	0.0	0.0	Z	0.0	1 463.7	
+ Not elsewhere specified (industry)		5 152.5	0.0	0.0	0.0	0.0	156.7	1 929.2	295.0	0.0	Z	1 034.2	1 737.4	
+ Transport		28 305.5	0.0	0.0	0.0	0.0	27 613.0	435.9	145.6	0.0	Z	Z	111.1	
+ Rail		206.7	0.0	0.0	0.0	0.0	122.2	Z	0.0	0.0	Z	Z	84.6	
+ Road		26 123.6	Z	Z	Z	Z	25 909.2	68.8	145.6	0.0	Z	Z	0.0	
+ Domestic aviation		1 271.9	Z	Z	Z	Z	1 271.9	Z	0.0	Z	Z	Z	Z	
+ Domestic navigation		309.8	0.0	0.0	0.0	0.0	309.8	Z	0.0	0.0	Z	Z	Z	
+ Pipeline transport		392.5	Z	Z	Z	Z	0.0	365.9	0.0	Z	Z	Z	26.5	
+ Not elsewhere specified (transport)		1.1	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	Z	Z	0.0	
+ Other		40 037.2	5 766.2	0.0	0.0	0.0	4 203.0	14 012.7	4 770.0	0.0	Z	0.0	11 285.3	
+ Commercial & public services		13 565.2	3 804.8	0.0	0.0	0.0	935.7	2 788.7	0.0	0.0	Z	0.0	6 036.0	
+ Households		22 159.0	1 961.3	0.0	0.0	0.0	245.0	11 126.9	4 161.0	0.0	Z	0.0	4 664.8	
+ Agriculture & forestry		4 168.8	0.0	0.0	0.0	0.0	2 937.4	56.8	609.0	0.0	Z	0.0	565.6	
+ Fishing		144.2	0.0	0.0	0.0	0.0	84.9	40.4	0.0	0.0	Z	0.0	19.0	
+ Not elsewhere specified (other)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	
<b>Statistical differences</b>		<b>457.3</b>	<b>87.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>584.7</b>	<b>-215.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
Gross electricity production		25 488.3	8 201.6	179.8	0.0	0.0	103.2	9 500.4	7 500.9	2.4	0.0	Z	Z	
Gross heat production		1 034.2	53.0	0.0	0.0	0.0	39.5	841.4	61.4	39.0	0.0	Z	0.0	

Source: Eurostat (nrg\_bal\_c)

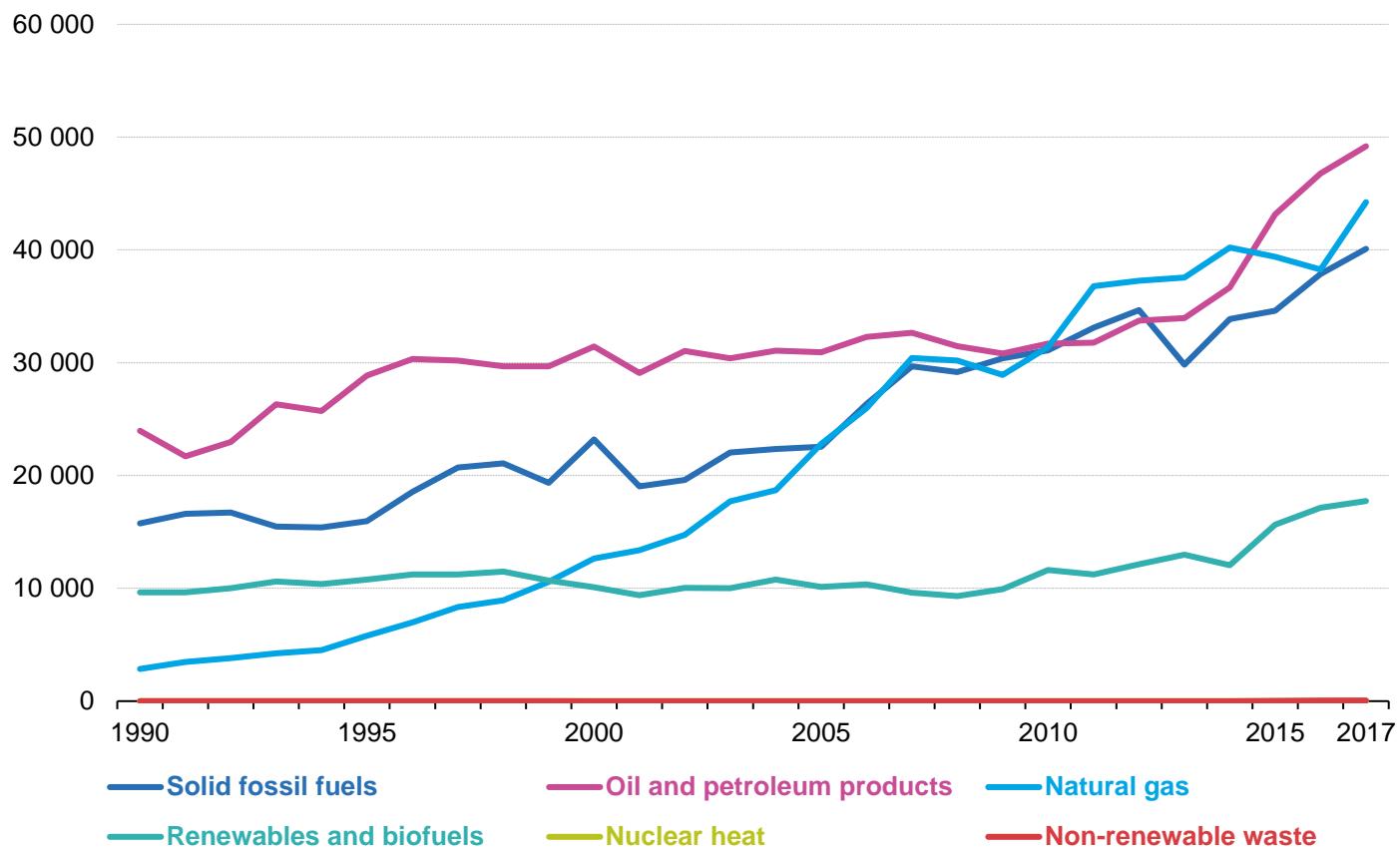
eurostat ■ Energy balance sheets — 2017 data

Turkey	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	86 321	105 737	112 981	118 045	114 832	123 245	133 178	140 511	151 259	
Solid fossil fuels	22 563	31 095	33 100	34 668	29 820	33 884	34 598	37 870	40 091	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	25 585	19 455	20 608	21 106	20 597	20 673	27 797	28 320	29 251	
Petroleum products	5 349	12 228	11 177	12 620	13 348	15 991	15 371	18 454	19 936	
Natural gas	22 792	31 395	36 789	37 262	37 556	40 205	39 383	38 262	44 232	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	10 131	11 627	11 223	12 138	12 975	12 037	15 658	17 136	17 739	
Non-renewable wastes	3	4	6	5	4	3	33	49	58	
<b>Primary production</b>	23 686	31 421	30 824	30 499	29 100	28 803	31 463	35 707	36 471	
Solid fossil fuels	10 575	16 741	16 620	15 554	13 542	13 814	12 798	15 498	15 682	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	2 239	2 487	2 350	2 319	2 379	2 606	2 661	2 722	2 700	
Natural gas	739	562	625	521	443	395	314	302	292	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	10 131	11 627	11 223	12 100	12 733	11 985	15 658	17 135	17 739	
Non-renewable wastes	3	4	6	5	4	3	33	49	58	
<b>Net imports</b>	61 862	74 691	80 330	89 276	86 533	94 014	103 702	106 056	116 709	
Solid fossil fuels	11 720	14 650	15 655	19 438	17 460	19 336	21 859	23 378	24 739	
Crude oil	23 195	16 813	17 942	19 326	18 402	18 478	26 514	26 405	27 248	
Gas/Diesel Oil (w/o bio)	2 946	9 590	10 301	11 349	12 114	13 275	12 681	13 242	14 641	
Motor Gasoline (w/o bio)	-1 113	-1 843	-2 417	-2 803	-2 695	-2 235	-3 325	-3 092	-3 394	
Naphtha	-647	1 282	1 149	1 465	1 471	1 144	1 630	1 890	1 905	
LPG	3 807	3 423	3 325	3 254	3 352	3 396	3 562	3 567	3 523	
All other oil & petroleum products	-79	57	-1 240	-342	-1 058	77	1 079	2 639	3 130	
Natural gas	22 134	30 786	35 538	37 305	36 713	40 039	39 362	37 609	44 968	
<b>Transformation input</b>	58 084	65 050	72 529	76 561	76 505	79 337	90 470	94 287	102 932	
Electricity & heat generation	26 863	36 960	40 207	41 590	40 769	45 485	46 118	49 364	54 299	
Refinery intake	25 671	19 950	22 260	23 254	24 117	23 232	30 998	31 395	33 585	
Coke ovens	3 170	3 981	3 890	4 033	4 168	4 280	4 409	4 093	4 181	
Blast furnaces	2 212	2 804	2 484	3 384	3 409	3 360	3 479	3 351	3 774	
<b>Transformation output</b>	44 673	45 632	51 554	55 404	56 107	53 755	64 442	66 470	71 782	
Electricity & heat generation	14 801	19 422	20 974	21 854	21 951	22 924	23 658	24 858	26 934	
Refinery output	26 110	20 482	22 806	24 296	25 103	22 778	30 075	30 662	32 963	
Coke ovens	2 665	3 552	3 266	3 498	3 574	3 829	3 784	3 542	3 629	
Blast furnaces	918	926	852	1 116	1 187	1 252	1 353	1 252	1 289	
<b>Energy sector</b>	2 728	3 964	4 170	4 511	4 363	4 374	5 409	6 449	6 755	
<b>Distribution losses</b>	2 138	2 602	2 787	3 070	3 198	3 211	3 144	3 065	2 983	
<b>Available for final consumption</b>	65 867	78 132	83 704	88 045	84 870	86 340	94 068	98 737	105 836	
Solid fossil fuels	10 155	13 875	13 415	13 583	10 086	11 013	11 515	11 556	11 881	
Manufactured gases	722	318	304	432	397	442	511	462	312	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	10 297	14 834	15 515	16 531	17 265	18 068	20 084	21 907	23 995	
Motor Gasoline (w/o bio)	2 828	2 160	2 043	1 938	2 031	2 023	2 134	2 320	2 382	
Naphtha	746	1 197	658	985	962	771	207	125	155	
LPG	4 692	4 153	4 163	4 062	4 179	4 239	4 401	4 677	4 623	
All other oil & petroleum products	7 831	6 352	7 261	8 844	7 015	5 699	8 857	9 889	10 164	
Natural gas	10 049	13 137	17 671	18 120	19 036	19 746	21 250	21 813	24 936	
Primary solid biofuels & charcoal	5 324	4 435	3 531	3 453	3 281	3 115	2 804	2 589	2 362	
Liquid biofuels	0	5	13	54	279	110	140	136	146	
All other renewable energies	1 311	1 823	2 093	2 231	2 258	2 294	2 730	2 717	2 703	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	11 061	14 619	15 821	16 586	16 867	17 665	18 444	19 619	21 143	
Heat	850	1 226	1 216	1 226	1 213	1 156	991	928	1 034	
<b>Statistical difference</b>	180	-11	1 449	1 639	-727	-46	216	322	457	
<b>Final non-energy consumption</b>	4 431	7 109	6 182	7 266	7 225	5 569	7 005	8 097	4 922	
<b>Final energy consumption</b>	61 256	71 034	76 073	79 140	78 372	80 817	86 847	90 318	100 457	
Industry	21 271	22 316	24 892	25 567	24 029	25 102	26 110	26 330	32 114	
Transport	12 578	14 812	15 034	17 707	19 543	20 944	24 503	27 030	28 306	
Other sectors	27 407	33 907	36 148	35 867	34 800	34 770	36 235	36 958	40 037	
Services	4 943	9 493	9 903	11 005	10 612	11 021	12 195	12 416	13 565	
Households	19 129	19 415	20 810	20 187	19 808	19 166	20 153	20 711	22 159	

Source: Eurostat (nrg\_bal\_c)

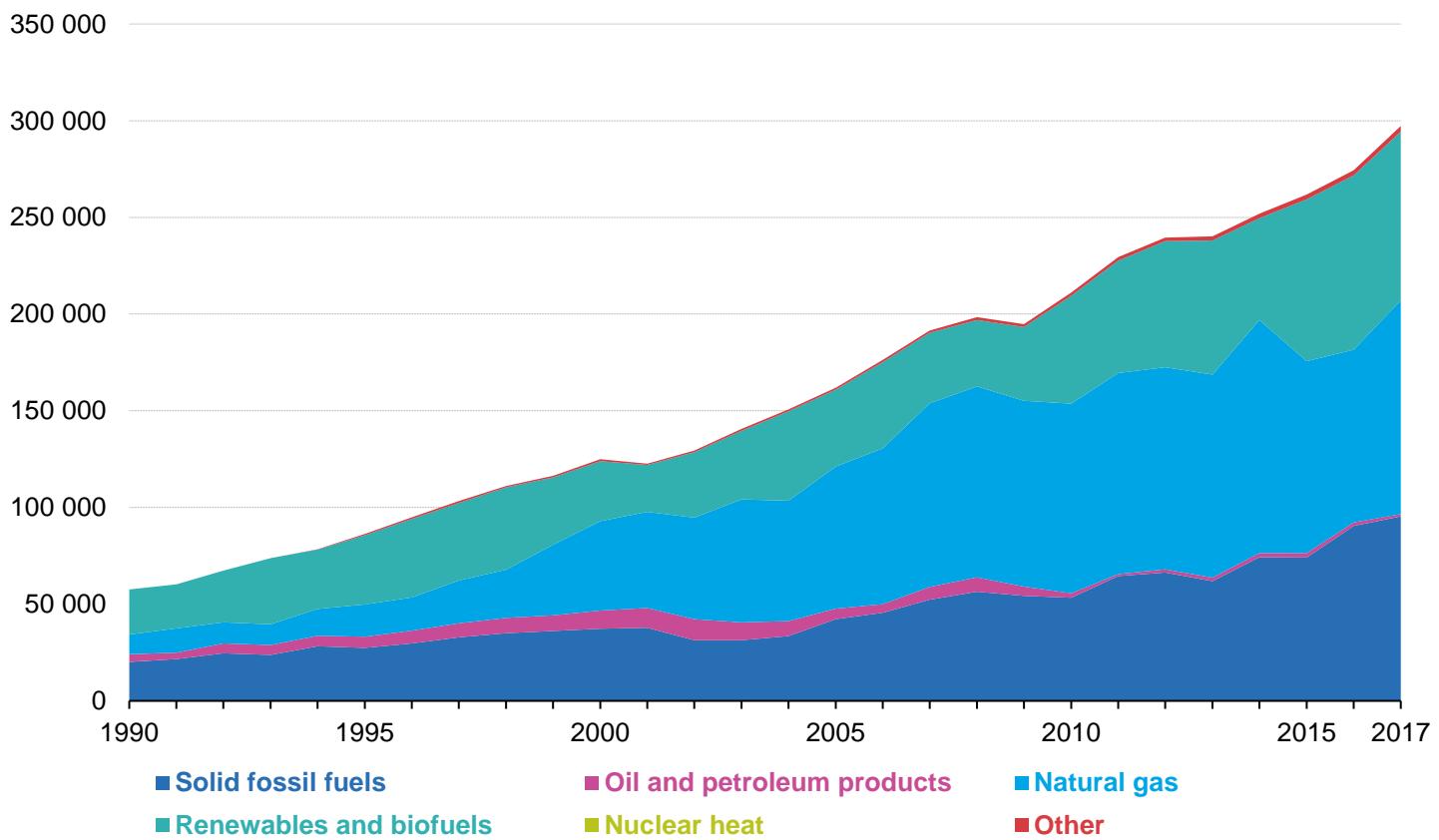
# Turkey

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

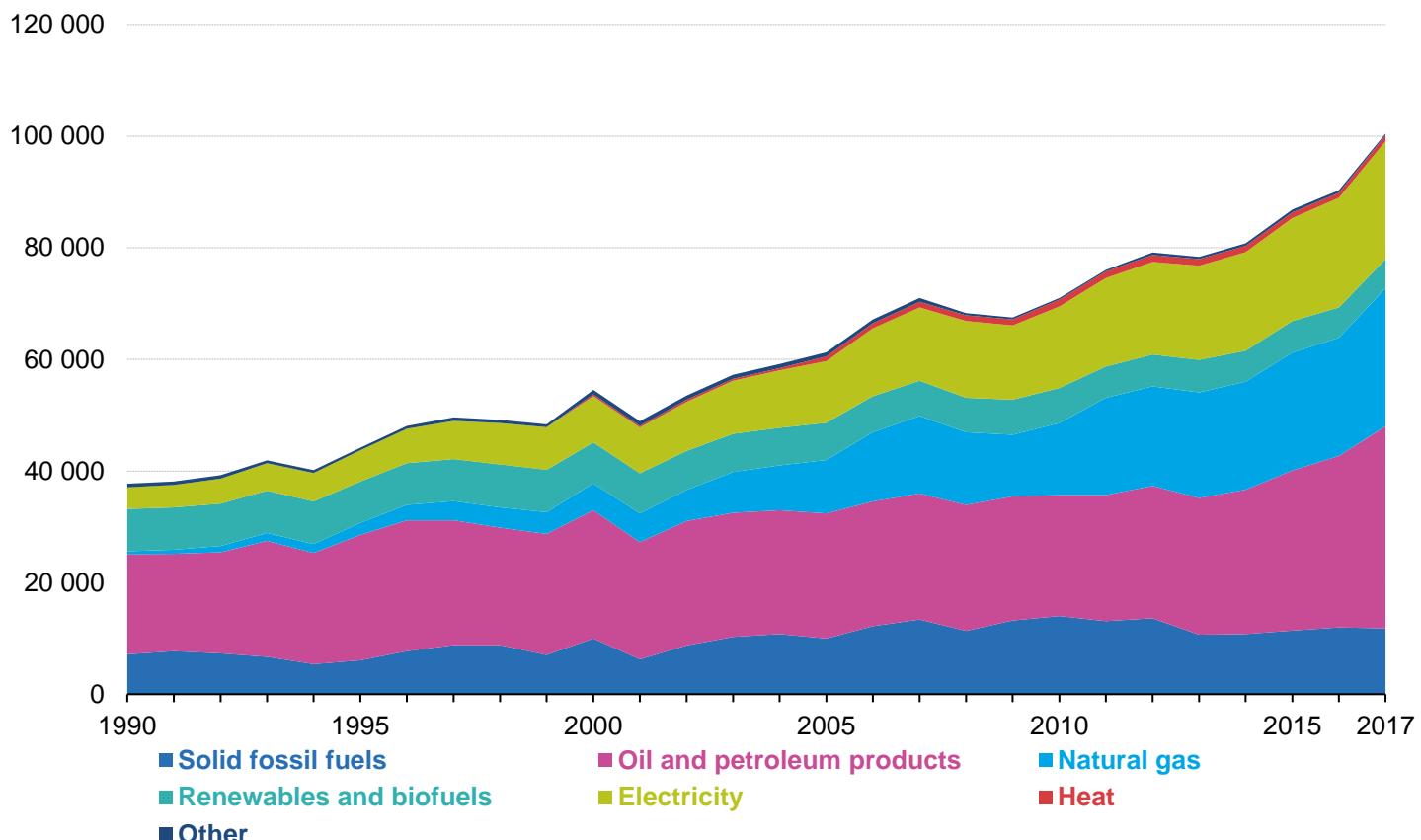


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

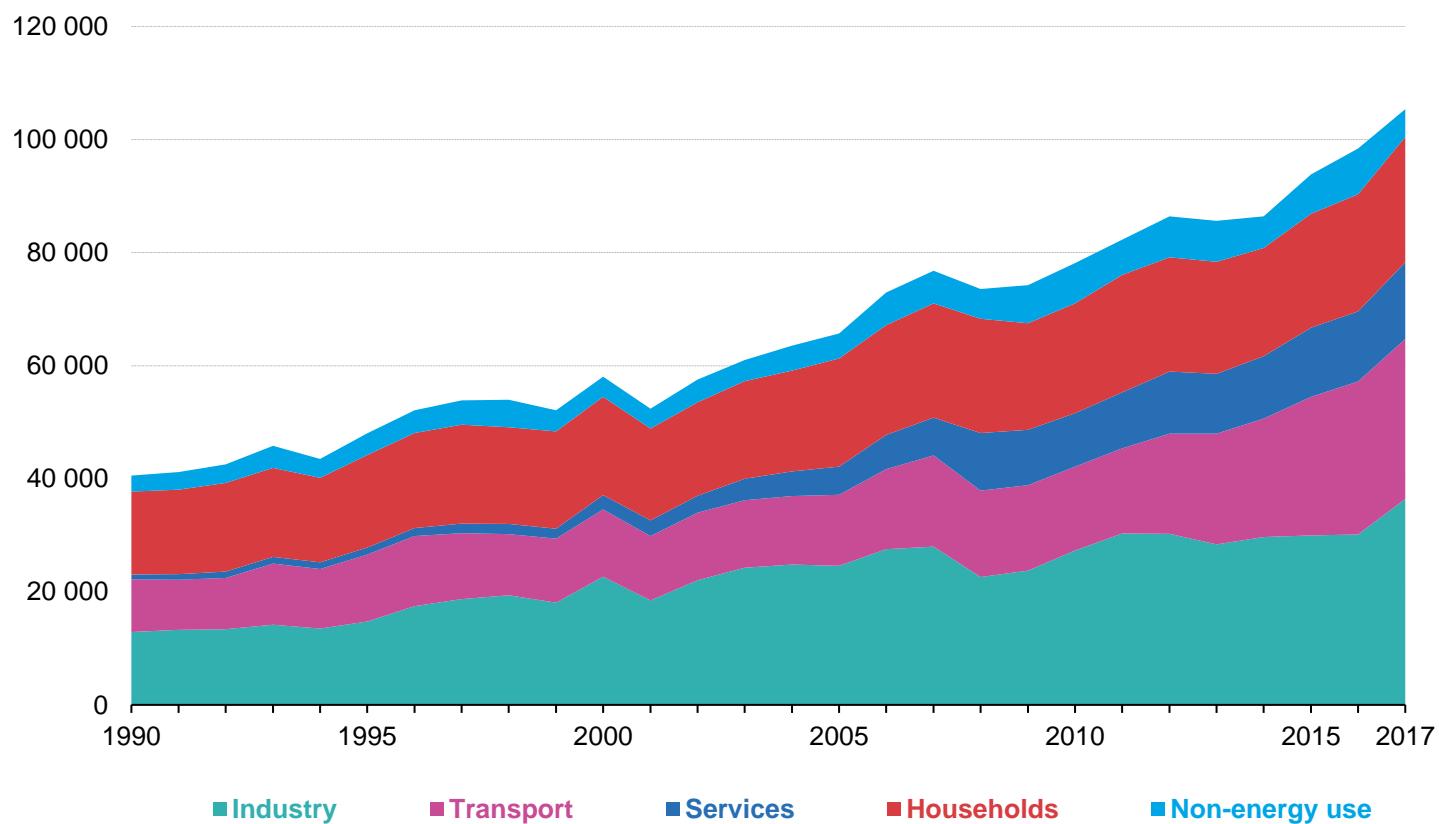
# Turkey

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Bosnia and Herzegovina	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017											
+ Primary production	4 624.0	3 611.8	Z	0.0	0.0	0.0	0.0	1 012.2	0.0	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	3 496.3	1 009.5	0.0	0.0	0.0	1 993.1	199.7	6.3	0.0	Z	0.0	287.7
- Exports	1 197.7	269.9	0.0	0.0	0.0	255.4	0.0	226.5	0.0	Z	0.0	446.0
+ Change in stock	-168.2	-162.7	0.0	0.0	0.0	-5.5	0.0	0.0	0.0	Z	Z	Z
= Gross available energy	<b>6 754.5</b>	<b>4 188.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 732.2</b>	<b>199.7</b>	<b>792.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-158.3</b>
- International maritime bunkers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>6 754.5</b>	<b>4 188.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 732.2</b>	<b>199.7</b>	<b>792.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-158.3</b>
- International aviation	10.5	Z	Z	Z	Z	10.5	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>6 744.0</b>	<b>4 188.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 721.7</b>	<b>199.7</b>	<b>792.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-158.3</b>
<b>Transformation input</b>	<b>5 916.3</b>	<b>4 499.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>925.2</b>	<b>50.3</b>	<b>418.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>22.9</b>
+ Electricity & heat generation	3 864.4	3 412.8	0.0	0.0	0.0	29.8	50.3	348.7	0.0	0.0	0.0	22.9
+ Coke ovens	820.6	820.6	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	265.9	265.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	895.4	Z	Z	Z	Z	895.4	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	70.0	Z	Z	Z	Z	Z	Z	70.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>	<b>3 276.6</b>	<b>582.8</b>	<b>240.5</b>	<b>0.0</b>	<b>Z</b>	<b>873.4</b>	<b>0.0</b>	<b>28.0</b>	<b>Z</b>	<b>Z</b>	<b>138.4</b>	<b>1 413.4</b>
+ Electricity & heat generation	1 551.8	Z	Z	Z	Z	Z	Z	Z	Z	Z	138.4	1 413.4
+ Coke ovens	723.1	582.8	140.3	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	100.2	0.0	100.2	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	873.4	Z	Z	Z	Z	873.4	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	28.0	Z	Z	Z	Z	Z	Z	28.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	Z	Z	0.0	Z	Z	Z	Z
<b>Energy sector</b>	<b>407.9</b>	<b>2.8</b>	<b>140.3</b>	<b>0.0</b>	<b>0.0</b>	<b>128.9</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.6</b>	<b>135.3</b>	
+ Own use in electricity & heat genera	105.8	0.0	0.0	0.0	0.0	2.0	0.0	0.0	Z	0.6	103.1	
+ Coal mines	55.3	2.8	0.0	0.0	0.0	33.7	0.0	0.0	0.0	Z	0.0	18.8
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	143.8	0.0	140.3	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	3.5
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	100.4	0.0	0.0	0.0	0.0	0.0	93.2	0.0	0.0	0.0	Z	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	2.6
<b>Distribution losses</b>	<b>131.4</b>	<b>4.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>10.5</b>	<b>115.8</b>	
<b>Available for final consumption</b>	<b>3 565.1</b>	<b>264.9</b>	<b>100.2</b>	<b>0.0</b>	<b>0.0</b>	<b>1 541.1</b>	<b>149.0</b>	<b>401.4</b>	<b>0.0</b>	<b>0.0</b>	<b>127.3</b>	<b>981.2</b>
<b>Final non-energy consumption</b>	<b>63.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>63.4</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	
<b>Final energy consumption</b>	<b>3 498.2</b>	<b>264.9</b>	<b>100.2</b>	<b>0.0</b>	<b>0.0</b>	<b>1 475.3</b>	<b>149.0</b>	<b>401.4</b>	<b>0.0</b>	<b>Z</b>	<b>127.3</b>	<b>980.1</b>
+ Industry	829.1	115.1	100.2	0.0	0.0	136.9	85.6	17.2	0.0	Z	0.5	373.5
+ Iron & steel	188.2	0.0	100.2	0.0	0.0	0.0	17.5	0.0	0.0	Z	0.0	70.5
+ Chemical & petrochemical	16.0	0.0	0.0	0.0	0.0	3.1	1.2	0.0	0.0	Z	0.0	11.7
+ Non-ferrous metals	240.3	34.6	0.0	0.0	0.0	1.1	55.9	0.0	0.0	Z	0.0	148.6
+ Non-metallic minerals	99.2	72.1	0.0	0.0	0.0	11.4	1.2	0.0	0.0	Z	0.0	14.4
+ Transport equipment	6.9	0.0	0.0	0.0	0.0	2.2	0.2	0.0	0.0	Z	0.0	4.6
+ Machinery	34.1	1.5	0.0	0.0	0.0	7.3	0.2	0.0	0.0	Z	0.1	24.9
+ Mining & quarrying	35.3	0.8	0.0	0.0	0.0	26.5	0.0	0.0	0.0	Z	0.2	7.9
+ Food, beverages & tobacco	57.7	4.6	0.0	0.0	0.0	23.5	6.8	0.0	0.0	Z	0.0	22.7
+ Paper, pulp & printing	34.8	0.0	0.0	0.0	0.0	14.6	0.5	0.0	0.0	Z	0.0	19.7
+ Wood & wood products	23.4	0.0	0.0	0.0	0.0	7.1	0.8	0.0	0.0	Z	0.1	15.4
+ Construction	39.1	0.0	0.0	0.0	0.0	33.7	0.0	0.0	0.0	Z	0.0	5.4
+ Textile & leather	21.7	1.3	0.0	0.0	0.0	4.2	1.2	0.0	0.0	Z	0.0	15.0
+ Not elsewhere specified (industry)	32.4	0.3	0.0	0.0	0.0	2.1	0.1	17.2	0.0	Z	0.0	12.7
+ Transport	1 248.9	0.0	0.0	0.0	0.0	1 241.3	1.1	0.0	0.0	Z	Z	6.5
+ Rail	6.5	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	6.5
+ Road	1 242.4	Z	Z	Z	Z	1 241.3	1.1	0.0	0.0	Z	Z	0.0
+ Domestic aviation	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	1 420.2	149.8	0.0	0.0	0.0	97.2	62.3	384.2	0.0	Z	126.8	600.0
+ Commercial & public services	355.7	45.1	0.0	0.0	0.0	38.0	24.5	29.8	0.0	Z	31.3	186.9
+ Households	1 045.7	104.4	0.0	0.0	0.0	44.8	37.8	354.4	0.0	Z	95.5	408.9
+ Agriculture & forestry	18.8	0.3	0.0	0.0	0.0	14.4	0.0	0.0	0.0	Z	0.0	4.1
+ Fishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>3.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.4</b>	<b>0.0</b>	<b>-0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.1</b>
Gross electricity production	1 413.4	1 061.0	0.0	0.0	0.0	5.3	2.0	345.1	0.0	0.0	Z	Z
Gross heat production	138.4	71.6	0.0	0.0	0.0	12.3	38.5	16.1	0.0	0.0	Z	0.0

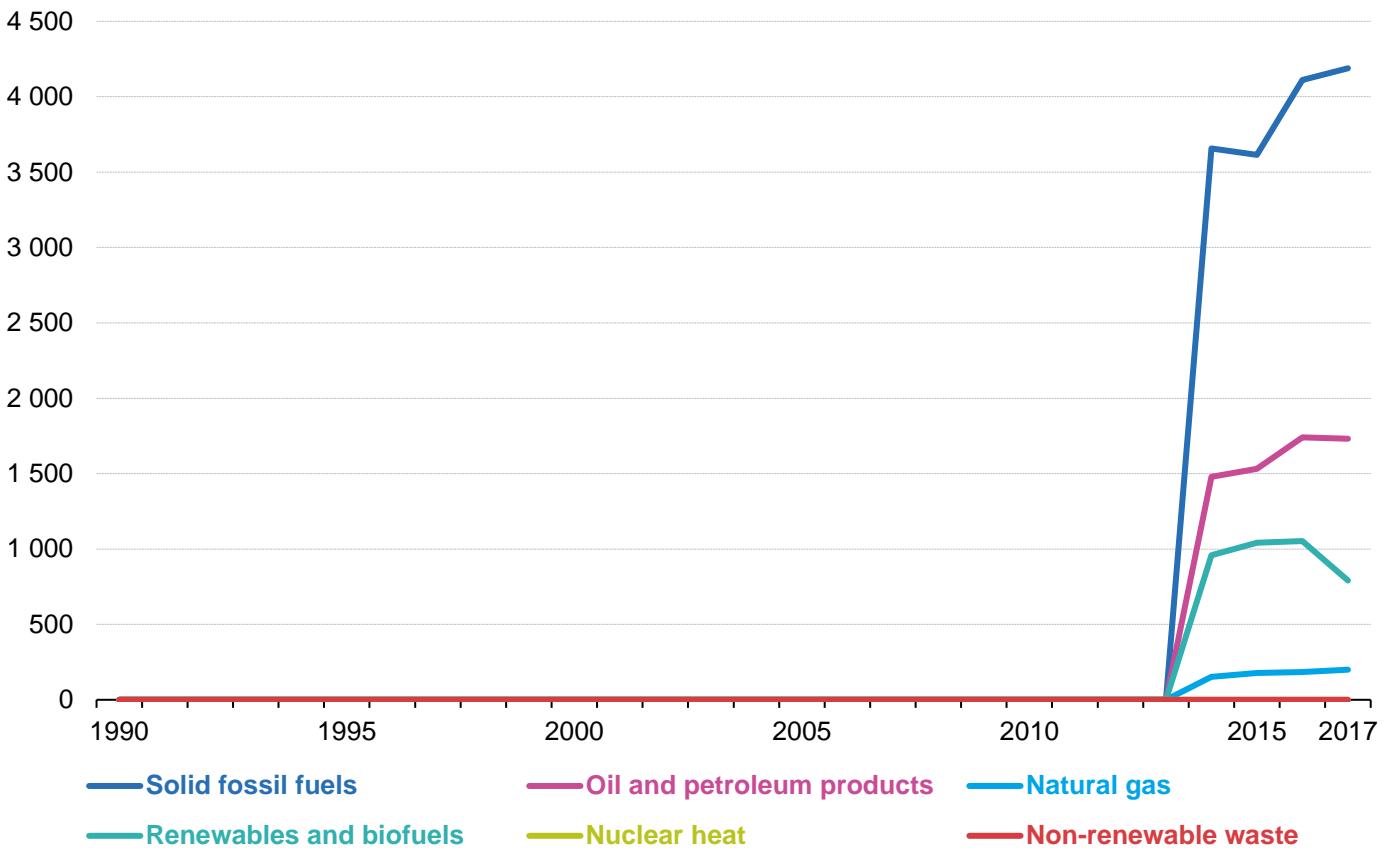
Source: Eurostat (nrg\_bal\_c)

Bosnia and Herzegovina	ktoe								
	2005	2010	2011	2012	2013	2014	2015	2016	2017
<b>Gross available energy</b>	0	0	0	0	0	6 003	6 183	6 767	6 754
Solid fossil fuels	0	0	0	0	0	3 658	3 615	4 112	4 189
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	0	0	0	0	0	1 027	944	869	895
Petroleum products	0	0	0	0	0	452	588	872	837
Natural gas	0	0	0	0	0	152	177	185	200
Nuclear heat	0	0	0	0	0	0	0	0	0
Renewable energies	0	0	0	0	0	958	1 041	1 053	792
Non-renewable wastes	0	0	0	0	0	0	0	0	0
<b>Primary production</b>	0	0	0	0	0	4 306	4 367	4 742	4 624
Solid fossil fuels	0	0	0	0	0	3 073	3 165	3 520	3 612
Peat	0	0	0	0	0	0	0	0	0
Oil shale and oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0
Natural gas	0	0	0	0	0	0	0	0	0
Nuclear heat	0	0	0	0	0	0	0	0	0
Renewable energies	0	0	0	0	0	1 232	1 202	1 221	1 012
Non-renewable wastes	0	0	0	0	0	0	0	0	0
<b>Net imports</b>	0	0	0	0	0	1 693	2 083	2 133	2 299
Solid fossil fuels	0	0	0	0	0	631	645	614	740
Crude oil	0	0	0	0	0	970	946	947	873
Gas/Diesel Oil (w/o bio)	0	0	0	0	0	539	606	810	812
Motor Gasoline (w/o bio)	0	0	0	0	0	43	76	56	62
Naphtha	0	0	0	0	0	-7	-11	-7	-7
LPG	0	0	0	0	0	48	50	71	85
All other oil & petroleum products	0	0	0	0	0	-164	-62	-52	-87
Natural gas	0	0	0	0	0	152	177	185	200
<b>Transformation input</b>	0	0	0	0	0	5 700	5 554	5 964	5 916
Electricity & heat generation	0	0	0	0	0	3 437	3 384	3 912	3 864
Refinery intake	0	0	0	0	0	1 027	944	869	895
Coke ovens	0	0	0	0	0	878	865	823	821
Blast furnaces	0	0	0	0	0	277	279	277	266
<b>Transformation output</b>	0	0	0	0	0	3 513	3 410	3 383	3 277
Electricity & heat generation	0	0	0	0	0	1 599	1 571	1 663	1 552
Refinery output	0	0	0	0	0	997	927	836	873
Coke ovens	0	0	0	0	0	781	776	747	723
Blast furnaces	0	0	0	0	0	104	105	105	100
<b>Energy sector</b>	0	0	0	0	0	430	426	424	408
<b>Distribution losses</b>	0	0	0	0	0	123	129	128	131
<b>Available for final consumption</b>	0	0	0	0	0	3 258	3 478	3 623	3 565
Solid fossil fuels	0	0	0	0	0	270	281	276	265
Manufactured gases	0	0	0	0	0	104	105	105	100
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Gas/Diesel Oil (w/o bio)	0	0	0	0	0	907	958	1 128	1 137
Motor Gasoline (w/o bio)	0	0	0	0	0	201	205	213	202
Naphtha	0	0	0	0	0	0	0	0	0
LPG	0	0	0	0	0	67	68	84	103
All other oil & petroleum products	0	0	0	0	0	91	92	104	98
Natural gas	0	0	0	0	0	111	132	136	149
Primary solid biofuels & charcoal	0	0	0	0	0	381	487	482	390
Liquid biofuels	0	0	0	0	0	0	0	0	0
All other renewable energies	0	0	0	0	0	13	14	15	11
Non-renewable wastes	0	0	0	0	0	0	0	0	0
Electricity	0	0	0	0	0	985	987	953	981
Heat	0	0	0	0	0	126	147	126	127
<b>Statistical difference</b>	0	0	0	0	0	88	92	3	3
<b>Final non-energy consumption</b>	0	0	0	0	0	66	69	76	63
<b>Final energy consumption</b>	0	0	0	0	0	3 104	3 317	3 544	3 498
Industry	0	0	0	0	0	717	757	754	829
Transport	0	0	0	0	0	989	1 031	1 197	1 249
Other sectors	0	0	0	0	0	1 397	1 529	1 593	1 420
Services	0	0	0	0	0	164	358	435	356
Households	0	0	0	0	0	981	1 113	1 139	1 046

Source: Eurostat (nrg\_bal\_c)

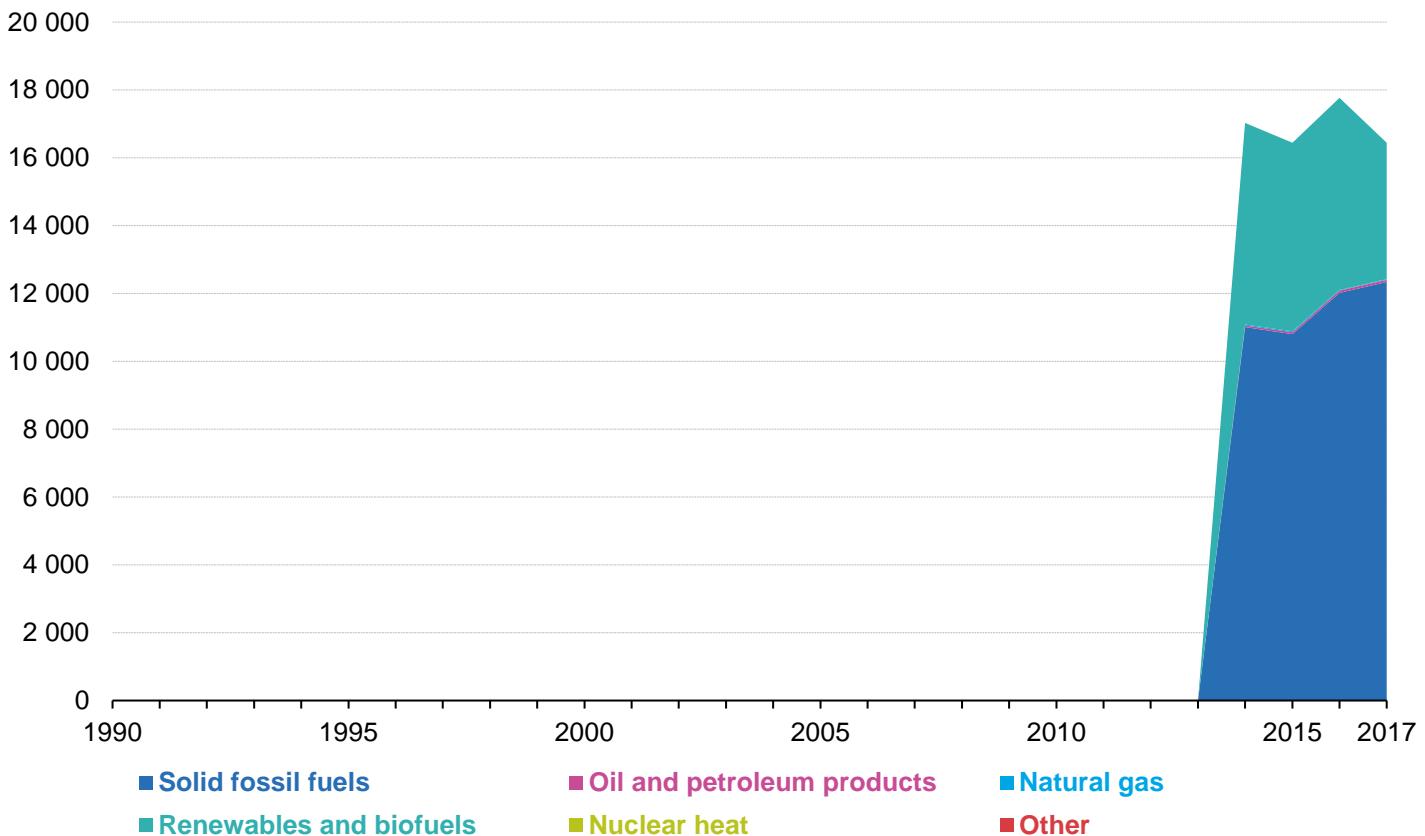
# Bosnia and Herzegovina

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

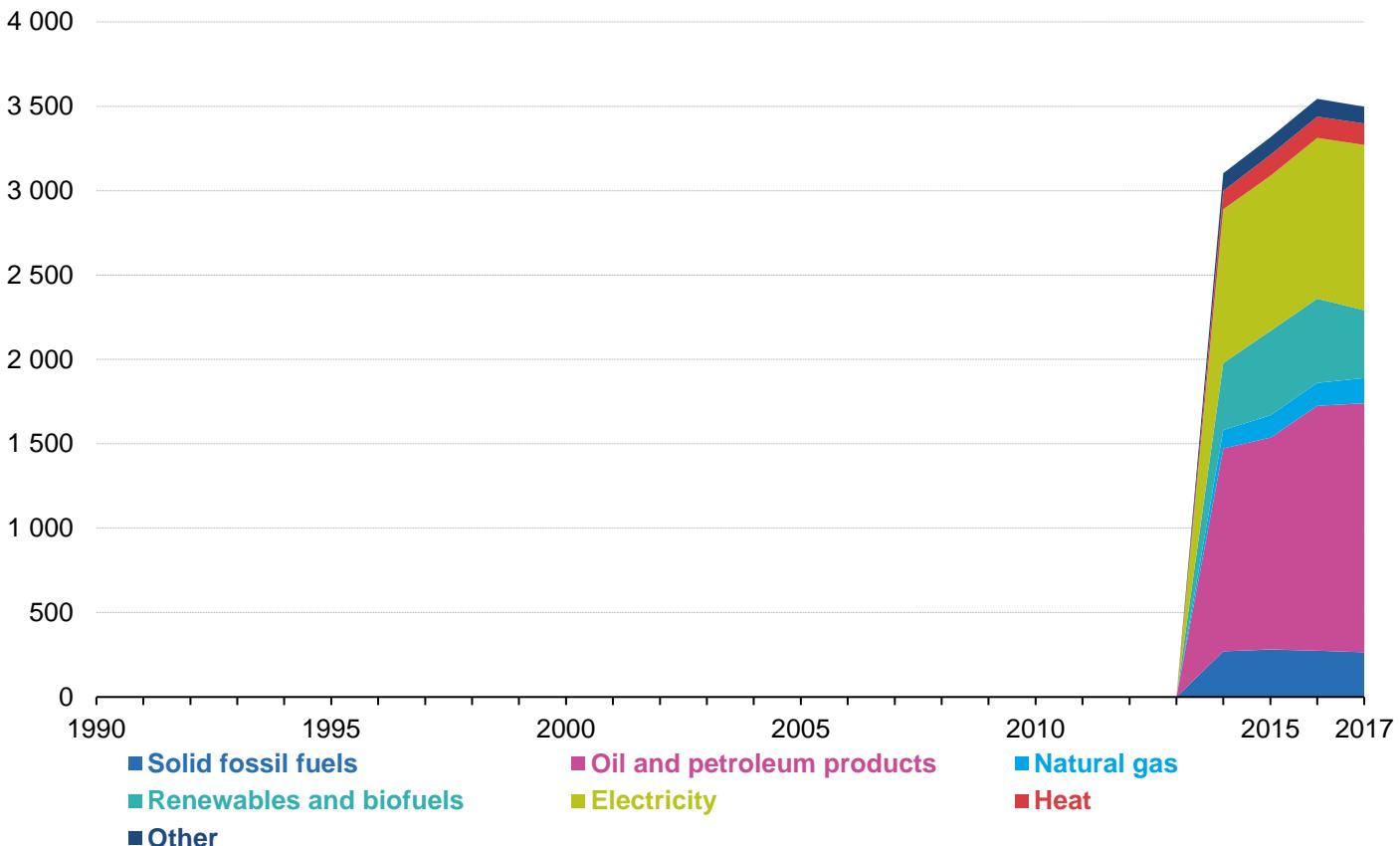


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

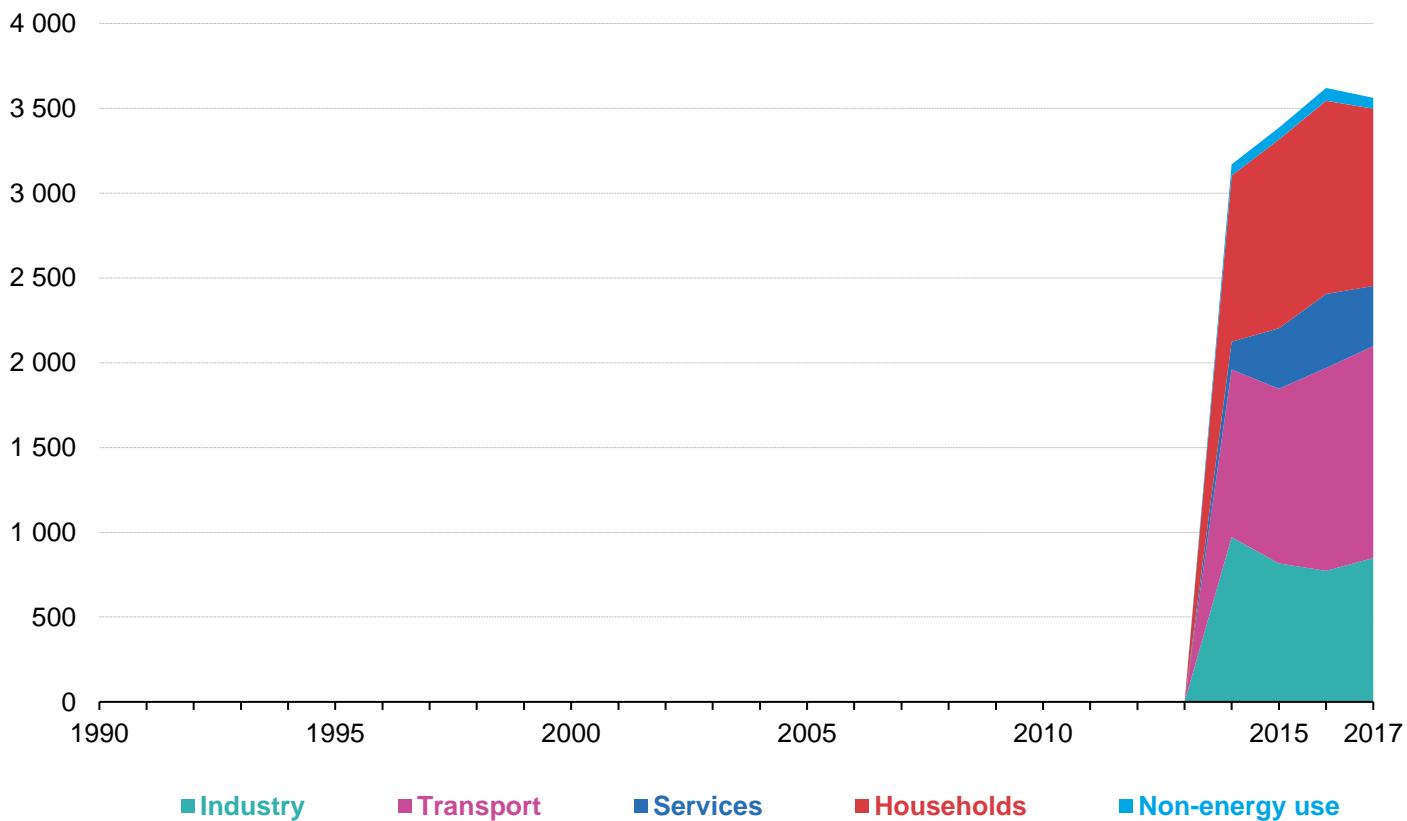
# Bosnia and Herzegovina

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Kosovo (UNSCR 1244/99)	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
ktoe	2017											
+ Primary production	1 792.9	1 411.5	Z	0.0	0.0	0.0	0.0	381.4	0.0	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	850.2	2.9	0.0	0.0	0.0	734.8	0.0	5.7	0.0	Z	0.0	106.8
- Exports	80.7	2.7	0.0	0.0	0.0	2.2	0.0	0.1	0.0	Z	0.0	75.7
+ Change in stock	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
= Gross available energy	<b>2 568.6</b>	<b>1 418.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>732.5</b>	<b>0.0</b>	<b>386.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.2</b>
- International maritime bunkers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>2 568.6</b>	<b>1 418.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>732.5</b>	<b>0.0</b>	<b>386.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.2</b>
- International aviation	5.9	Z	Z	Z	Z	5.9	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>2 562.7</b>	<b>1 418.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>726.6</b>	<b>0.0</b>	<b>386.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.2</b>
<b>Transformation input</b>	<b>1 352.7</b>	<b>1 332.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.7</b>	<b>0.0</b>	<b>15.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation	1 352.7	1 332.5	0.0	0.0	0.0	4.7	0.0	15.5	0.0	0.0	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>	<b>528.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>19.5</b>	<b>508.9</b>
+ Electricity & heat generation	528.4	Z	Z	Z	Z	Z	Z	Z	Z	Z	19.5	508.9
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>55.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>2.3</b>	<b>53.1</b>	
+ Own use in electricity & heat genera	53.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	53.1	
+ Coal mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	0.0
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	2.3	0.0
<b>Distribution losses</b>	<b>115.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>2.4</b>	<b>113.3</b>	
<b>Available for final consumption</b>	<b>1 567.3</b>	<b>85.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>721.9</b>	<b>0.0</b>	<b>371.4</b>	<b>0.0</b>	<b>0.0</b>	<b>14.8</b>	<b>373.7</b>
<b>Final non-energy consumption</b>	<b>40.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>40.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>1 516.1</b>	<b>87.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>669.7</b>	<b>0.0</b>	<b>371.5</b>	<b>0.0</b>	<b>Z</b>	<b>14.6</b>	<b>373.0</b>
+ Industry	313.2	23.3	0.0	0.0	0.0	185.1	0.0	13.4	0.0	Z	0.0	91.4
+ Iron & steel	75.2	18.8	0.0	0.0	0.0	15.5	0.0	0.1	0.0	Z	0.0	40.9
+ Chemical & petrochemical	1.3	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	Z	0.0	0.2
+ Non-ferrous metals	23.5	0.0	0.0	0.0	0.0	22.1	0.0	0.0	0.0	Z	0.0	1.4
+ Non-metallic minerals	110.7	0.0	0.0	0.0	0.0	105.0	0.0	0.3	0.0	Z	0.0	5.3
+ Transport equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Machinery	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	Z	0.0	1.1
+ Mining & quarrying	4.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	Z	0.0	0.0
+ Food, beverages & tobacco	52.8	4.3	0.0	0.0	0.0	11.3	0.0	5.6	0.0	Z	0.0	31.7
+ Paper, pulp & printing	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.1
+ Wood & wood products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Construction	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Textile & leather	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (industry)	44.2	0.0	0.0	0.0	0.0	26.2	0.0	7.2	0.0	Z	0.0	10.8
+ Transport	410.2	0.0	0.0	0.0	0.0	410.2	0.0	0.0	0.0	Z	Z	0.0
+ Rail	3.3	0.0	0.0	0.0	0.0	3.3	Z	0.0	0.0	Z	Z	0.0
+ Road	406.9	Z	Z	Z	Z	406.9	0.0	0.0	0.0	Z	Z	0.0
+ Domestic aviation	0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	792.6	63.9	0.0	0.0	0.0	74.4	0.0	358.1	0.0	Z	14.6	281.6
+ Commercial & public services	191.5	53.7	0.0	0.0	0.0	46.6	0.0	11.1	0.0	Z	5.2	75.0
+ Households	571.5	10.1	0.0	0.0	0.0	11.1	0.0	343.8	0.0	Z	9.4	197.0
+ Agriculture & forestry	29.6	0.0	0.0	0.0	0.0	16.7	0.0	3.3	0.0	Z	0.0	9.7
+ Fishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>	<b>11.0</b>	<b>-1.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11.8</b>	<b>0.0</b>	<b>-0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.7</b>
Gross electricity production	508.9	492.3	0.0	0.0	0.0	1.0	0.0	15.5	0.0	0.0	Z	Z
Gross heat production	19.5	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	Z	18.4

Source: Eurostat (nrg\_bal\_c)

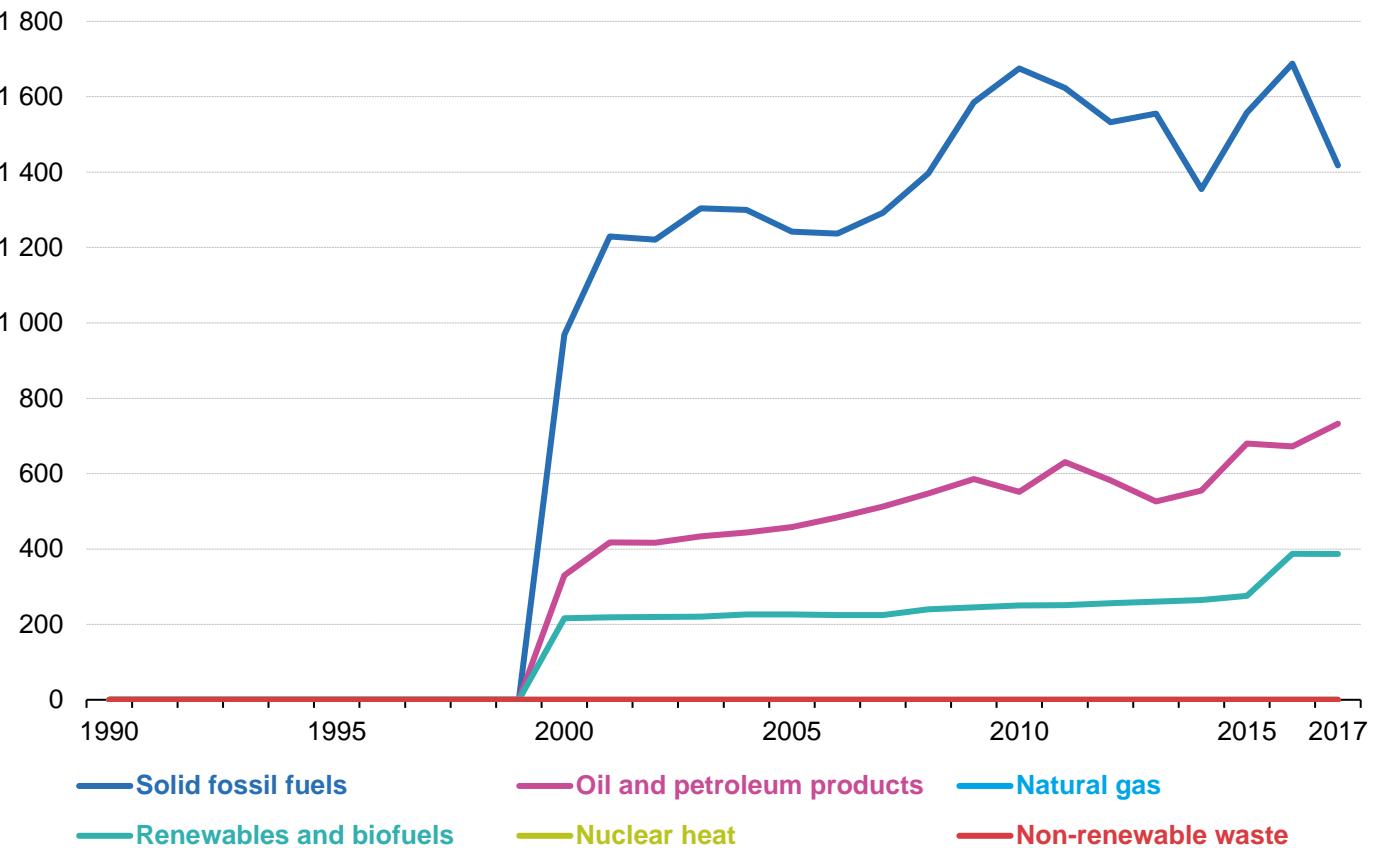
eurostat ■ Energy balance sheets — 2017 data

Kosovo (UNSCR 1244/99)	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	1 950	2 517	2 541	2 384	2 312	2 217	2 524	2 704	2 569	
Solid fossil fuels	1 242	1 675	1 623	1 532	1 556	1 355	1 558	1 688	1 418	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Petroleum products	459	552	631	582	526	555	680	672	733	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	226	250	251	256	260	265	276	387	387	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
<b>Primary production</b>	1 398	1 861	1 795	1 749	1 792	1 605	1 804	2 016	1 793	
Solid fossil fuels	1 221	1 612	1 545	1 496	1 532	1 342	1 536	1 640	1 412	
Peat	0	0	0	0	0	0	0	0	0	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	0	0	0	0	0	0	0	0	0	
Natural gas	0	0	0	0	0	0	0	0	0	
Nuclear heat	0	0	0	0	0	0	0	0	0	
Renewable energies	176	249	250	253	261	263	268	375	381	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
<b>Net imports</b>	550	619	699	650	505	603	697	638	769	
Solid fossil fuels	19	26	31	51	9	3	-2	-2	0	
Crude oil	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	245	292	312	319	261	340	399	440	467	
Motor Gasoline (w/o bio)	75	83	79	72	68	70	70	73	67	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	41	50	51	47	40	34	38	38	36	
All other oil & petroleum products	97	127	189	144	158	111	172	121	163	
Natural gas	0	0	0	0	0	0	0	0	0	
<b>Transformation input</b>	1 226	1 624	1 588	1 482	1 531	1 328	1 535	1 615	1 353	
Electricity & heat generation	1 226	1 624	1 562	1 482	1 531	1 328	1 535	1 615	1 353	
Refinery intake	0	0	13	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Transformation output</b>	393	450	526	516	566	473	540	533	528	
Electricity & heat generation	393	450	503	516	566	473	540	533	528	
Refinery output	0	0	10	0	0	0	0	0	0	
Coke ovens	0	0	0	0	0	0	0	0	0	
Blast furnaces	0	0	0	0	0	0	0	0	0	
<b>Energy sector</b>	40	52	64	63	58	38	55	39	55	
<b>Distribution losses</b>	91	81	82	81	76	71	88	104	116	
<b>Available for final consumption</b>	985	1 197	1 321	1 259	1 197	1 251	1 382	1 475	1 567	
Solid fossil fuels	45	77	83	70	47	51	40	100	86	
Manufactured gases	0	0	0	0	0	0	0	0	0	
Peat & peat products	0	0	0	0	0	0	0	0	0	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	241	290	307	315	259	338	397	437	465	
Motor Gasoline (w/o bio)	75	83	79	72	68	70	70	73	67	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	41	50	51	47	40	34	38	38	36	
All other oil & petroleum products	81	104	162	119	133	101	164	113	154	
Natural gas	0	0	0	0	0	0	0	0	0	
Primary solid biofuels & charcoal	216	236	242	247	248	251	263	366	371	
Liquid biofuels	0	0	0	0	0	0	0	0	0	
All other renewable energies	0	0	0	0	0	0	0	0	0	
Non-renewable wastes	0	0	0	0	0	0	0	0	0	
Electricity	279	353	394	385	399	402	398	333	374	
Heat	6	4	3	3	4	4	10	14	15	
<b>Statistical difference</b>	0	-1	4	0	-13	-13	-7	1	11	
<b>Final non-energy consumption</b>	7	7	51	39	43	34	48	41	40	
<b>Final energy consumption</b>	978	1 191	1 266	1 219	1 168	1 231	1 340	1 433	1 516	
Industry	189	278	308	274	263	245	307	281	313	
Transport	271	320	331	333	270	344	380	396	410	
Other sectors	519	594	628	612	634	641	652	756	793	
Services	137	112	118	118	115	139	148	177	192	
Households	345	462	491	474	494	480	476	549	571	

Source: Eurostat (nrg\_bal\_c)

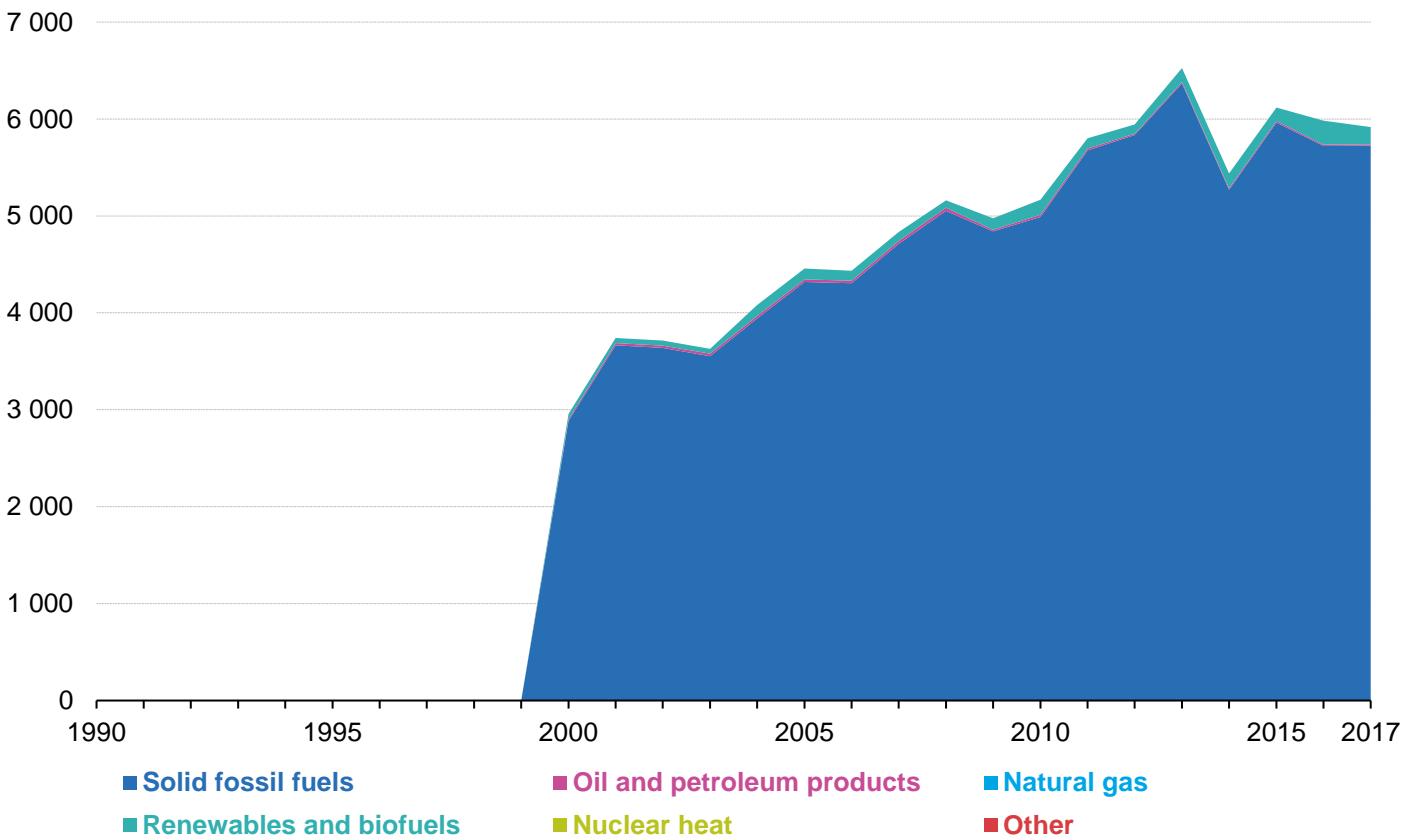
# Kosovo (UNSCR 1244/99)

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

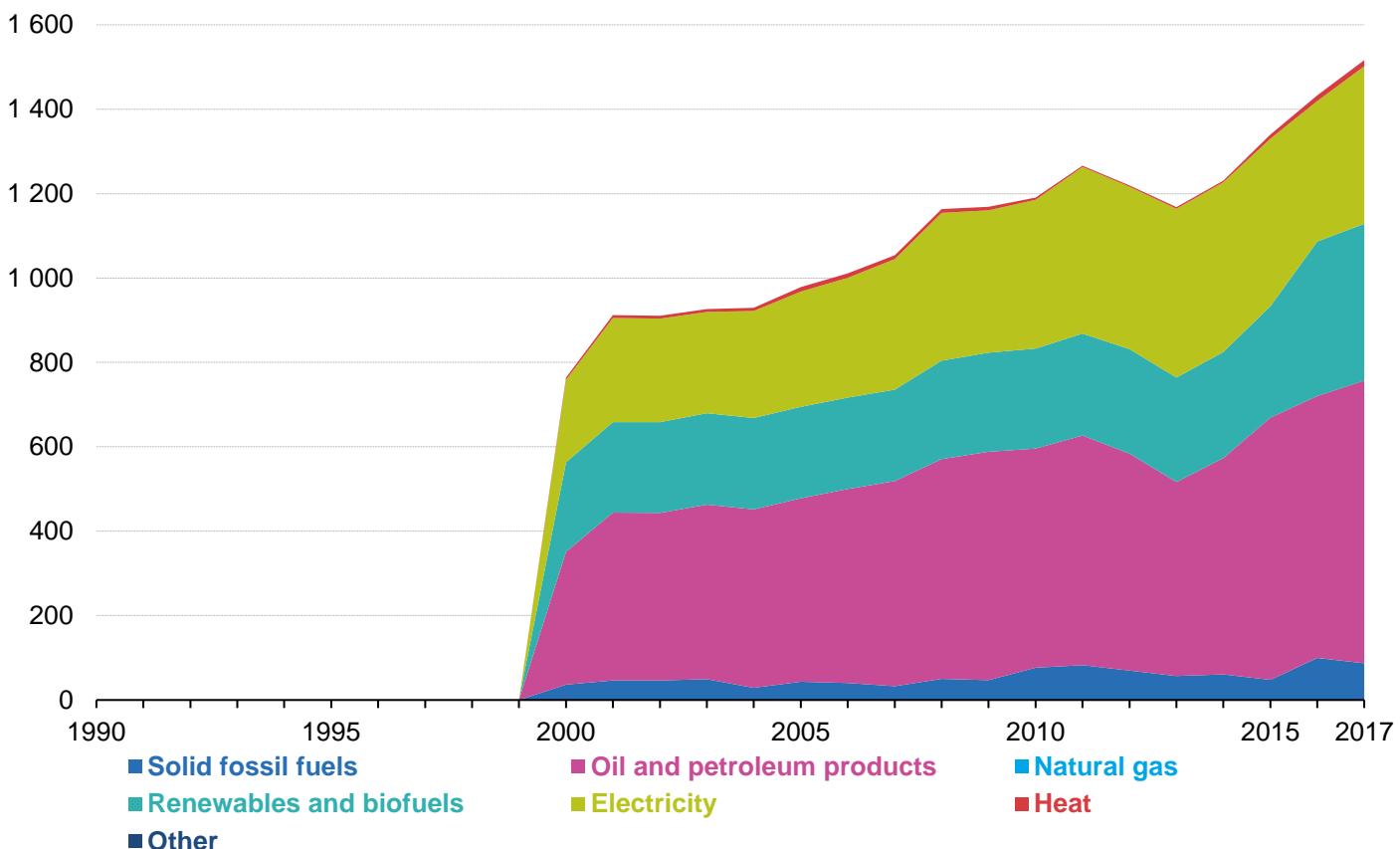


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

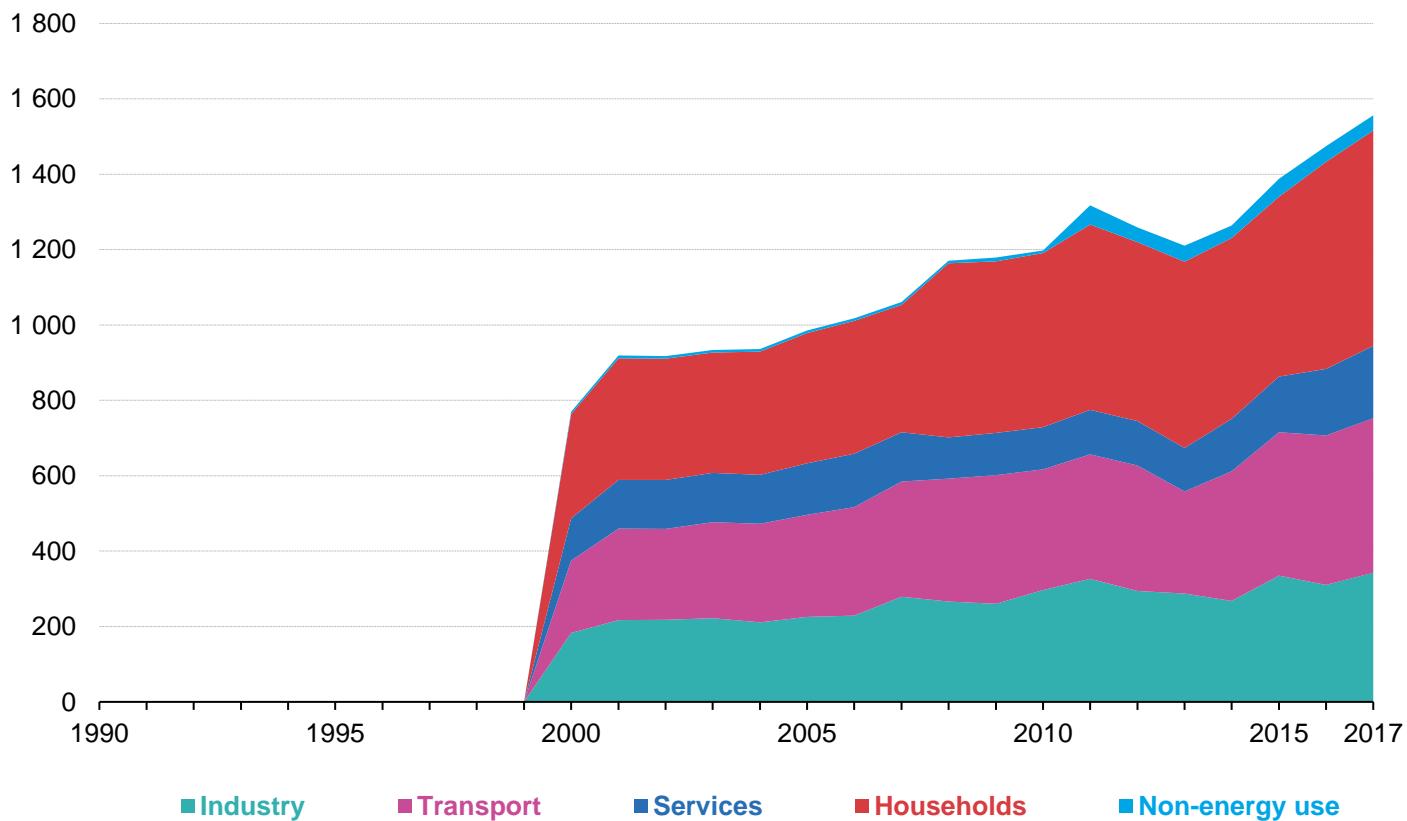
# Kosovo (UNSCR 1244/99)

## Final energy consumption by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Final consumption by sector, ktoe



Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

Ukraine ktoe	2017	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non-renewable waste	Nuclear heat	Heat	Electricity
+ Primary production		58 380.9	13 516.6	Z	120.0	0.0	2 208.2	15 471.6	4 476.5	59.9	22 528.2	Z	Z
+ Recovered & recycled products		0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports		35 058.7	12 988.6	0.0	4.2	0.0	10 799.2	11 262.4	0.0	0.0	Z	0.0	4.3
- Exports		1 933.7	560.6	0.0	6.7	0.0	380.1	0.0	537.0	0.0	Z	0.0	449.4
+ Change in stock		-2 309.8	-367.5	0.0	1.8	0.0	266.1	-2 180.2	-30.0	0.0	Z	Z	Z
= Gross available energy		<b>89 196.1</b>	<b>25 577.1</b>	<b>0.0</b>	<b>119.3</b>	<b>0.0</b>	<b>12 893.4</b>	<b>24 553.7</b>	<b>3 909.5</b>	<b>59.9</b>	<b>22 528.2</b>	<b>0.0</b>	<b>-445.1</b>
- International maritime bunkers		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption		<b>89 196.1</b>	<b>25 577.1</b>	<b>0.0</b>	<b>119.3</b>	<b>0.0</b>	<b>12 893.4</b>	<b>24 553.7</b>	<b>3 909.5</b>	<b>59.9</b>	<b>22 528.2</b>	<b>0.0</b>	<b>-445.1</b>
- International aviation		251.3	Z	Z	Z	Z	251.3	Z	0.0	Z	Z	Z	Z
= Total energy supply		<b>88 944.8</b>	<b>25 577.1</b>	<b>0.0</b>	<b>119.3</b>	<b>0.0</b>	<b>12 642.2</b>	<b>24 553.7</b>	<b>3 909.5</b>	<b>59.9</b>	<b>22 528.2</b>	<b>0.0</b>	<b>-445.1</b>
<b>Transformation input</b>		<b>67 820.4</b>	<b>28 715.1</b>	<b>1 380.4</b>	<b>144.6</b>	<b>0.0</b>	<b>4 563.4</b>	<b>7 926.8</b>	<b>2 274.0</b>	<b>2.5</b>	<b>22 528.2</b>	<b>150.1</b>	<b>135.4</b>
+ Electricity & heat generation		47 877.3	13 385.7	1 380.4	42.6	0.0	580.6	7 926.8	1 745.0	2.5	22 528.2	150.1	135.4
+ Coke ovens		9 972.8	9 972.8	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces		5 212.3	5 212.3	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works		35.4	35.4	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry		3 982.8	Z	Z	Z	Z	3 982.8	Z	Z	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants		102.0	0.0	0.0	102.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas		0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended		45.3	Z	Z	Z	Z	Z	Z	45.3	Z	Z	Z	Z
+ Charcoal production plants		483.7	Z	Z	Z	Z	Z	Z	483.7	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		108.9	108.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
<b>Transformation output</b>		<b>37 391.7</b>	<b>6 600.4</b>	<b>4 035.7</b>	<b>98.4</b>	<b>Z</b>	<b>3 372.3</b>	<b>0.0</b>	<b>199.4</b>	<b>Z</b>	<b>Z</b>	<b>9 668.9</b>	<b>13 416.6</b>
+ Electricity & heat generation		23 085.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	9 668.9	13 416.6
+ Coke ovens		8 349.7	6 600.4	1 749.2	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces		2 286.4	0.0	2 286.4	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works		0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry		3 350.0	Z	Z	Z	Z	3 350.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants		0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants		98.4	0.0	Z	98.4	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants		0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas		0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended		46.5	Z	Z	Z	Z	Z	Z	46.5	Z	Z	Z	Z
+ Charcoal production plants		152.9	Z	Z	Z	Z	Z	Z	152.9	Z	Z	Z	Z
+ Gas-to-liquids plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified		22.3	0.0	0.0	0.0	Z	22.3	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>		<b>3 836.4</b>	<b>70.4</b>	<b>415.9</b>	<b>3.7</b>	<b>0.0</b>	<b>53.4</b>	<b>959.3</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>1 032.6</b>	<b>1 301.2</b>
+ Own use in electricity & heat genera		1 580.0	64.1	0.0	0.0	0.0	2.9	12.8	0.0	0.0	Z	543.3	957.0
+ Coal mines		263.1	6.3	0.0	0.0	0.0	2.0	0.0	0.0	0.0	Z	79.1	175.8
+ Oil & natural gas extraction plants		690.8	Z	Z	Z	Z	9.0	575.9	0.0	0.0	Z	51.7	54.2
+ Patent fuel plants		0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens		531.6	0.0	264.7	0.0	0.0	1.0	0.0	0.0	0.0	Z	231.0	34.9
+ BKB & PB plants		3.7	0.0	0.0	3.7	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works		316.8	0.0	0.0	0.0	0.0	0.0	301.8	0.0	0.0	Z	11.3	3.7
+ Blast furnaces		151.2	0.0	151.2	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)		191.9	0.0	0.0	0.0	0.0	0.0	37.5	0.0	0.0	Z	116.2	38.3
+ Nuclear industry		0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants		0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants		0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants		0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)		107.2	0.0	0.0	0.0	0.0	1.0	68.8	0.0	0.0	Z	0.0	37.4
<b>Distribution losses</b>		<b>3 149.8</b>	<b>2.1</b>	<b>472.7</b>	<b>0.4</b>	<b>0.0</b>	<b>8.1</b>	<b>502.1</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>721.0</b>	<b>1 443.4</b>
<b>Available for final consumption</b>		<b>51 529.8</b>	<b>3 389.9</b>	<b>1 766.6</b>	<b>69.0</b>	<b>0.0</b>	<b>11 389.5</b>	<b>15 165.5</b>	<b>1 835.0</b>	<b>57.4</b>	<b>0.0</b>	<b>7 765.3</b>	<b>10 091.6</b>
<b>Final non-energy consumption</b>		<b>2 514.6</b>	<b>518.8</b>	<b>9.1</b>	<b>0.0</b>	<b>0.0</b>	<b>818.6</b>	<b>1 168.1</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>		<b>47 350.3</b>	<b>2 871.2</b>	<b>1 757.5</b>	<b>69.0</b>	<b>0.0</b>	<b>9 025.9</b>	<b>13 803.1</b>	<b>1 835.0</b>	<b>57.4</b>	<b>Z</b>	<b>7 839.6</b>	<b>10 091.6</b>
+ Industry		15 093.6	2 607.8	1 757.5	3.2	0.0	370.8	2 627.3	51.9	0.8	Z	3 354.9	4 319.4
+ Iron & steel		7 949.0	1 985.9	1 757.5	0.0	0.0	61.5	1 398.2	14.6	0.0	Z	1 217.9	1 513.5
+ Chemical & petrochemical		854.8	2.2	0.0	0.0	0.0	8.7	141.0	0.3	0.0	Z	454.4	248.2
+ Non-ferrous metals		630.5	91.6	0.0	0.0	0.0	5.4	144.1	0.0	0.0	Z	258.6	130.7
+ Non-metallic minerals		1 108.9	496.5	0.0	2.8	0.0	4.8	338.0	1.6	0.8	Z	70.9	193.4
+ Transport equipment		152.2	0.0	0.0	0.0	0.0	12.6	20.8	0.3	0.0	Z	47.8	70.7
+ Machinery		562.6	2.1	0.0	0.0	0.0	4.0	121.7	1.8	0.0	Z	90.8	342.1
+ Mining & quarrying		1 331.0	4.7	0.0	0.0	0.0	165.2	266.0	0.5	0.0	Z	84.2	810.5
+ Food, beverages & tobacco		1 375.9	23.7	0.0	0.4	0.0	26.4	150.8	4.9	0.0	Z	818.9	350.8
+ Paper, pulp & printing		242.9	0.0	0.0	0.0	0.0	1.0	17.8	0.3	0.0	Z	138.6	85.3
+ Wood & wood products		189.5	0.0	0.0	0.0	0.0	5.1	2.8	26.1	0.0	Z	96.0	59.5
+ Construction		184.0	1.1	0.0	0.0	0.0	70.2	8.5	0.8	0.0	Z	26.8	76.7
+ Textile & leather		55.7	0.0	0.0	0.0	0.0	1.0	6.0	0.1	0.0	Z	18.4	30.3
+ Not elsewhere specified (industry)		456.5	0.0	0.0	0.0	0.0	4.9	11.6	0.6	0.0	Z	31.7	407.7
+ Transport		9 590.8	4.7	0.0	0.0	0.0	7 321.8	1 612.1	46.5	0.0	Z	Z	605.7
+ Rail		652.8	3.7	0.0	0.0	0.0	131.0	Z	0.0	0.0	Z	Z	518.1
+ Road		7 227.9	Z	Z	Z	Z	7 152.9	28.5	46.5	0.0	Z	Z	0.0
+ Domestic aviation		0.0	Z	Z	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation		32.8	0.0	0.0	0.0	0.0	32.8	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport		1 643.3	Z	Z	Z	Z	5.0	1 581.6	0.0	Z	Z	Z	56.7
+ Not elsewhere specified (transport)		34.0	1.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	Z	Z	30.9
+ Other		22 665.9	258.7	0.0	65.8	0.0	1 333.3	9 563.7	1 736.6	56.6	Z	4 484.7	5 166.5
+ Commercial & public services		4 393.0	89.7	0.0	13.0	0.0	135.6	602.2	34.3	56.6	Z	1 623.5	1 838.1
+ Households		16 432.8	161.9	0.0	52.5	0.0	54.9	8 830.0	1 676.9	0.0	Z	2 643.4	3 013.1
+ Agriculture & forestry		1 836.8	7.0	0.0	0.4	0.0	1 141.8	131.4	25.4	0.0	Z	217.7	313.2
+ Fishing		3.3	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	Z	0.1	2.2
+ Not elsewhere specified (other)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Statistical differences</b>		<b>1 664.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 545.0</b>	<b>194.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-74.4</b>	<b>0.0</b>
Gross electricity production		13 412.8	4 112.2	122.6	1.5	0.0	112.9	634.6	1 070.6	0.0	7 358.2	Z	Z
Gross heat production		9 123.1	858.0	896.1	27.7	0.0	310.0	6 206.9	643.6	0.0	151.2	Z	29.8

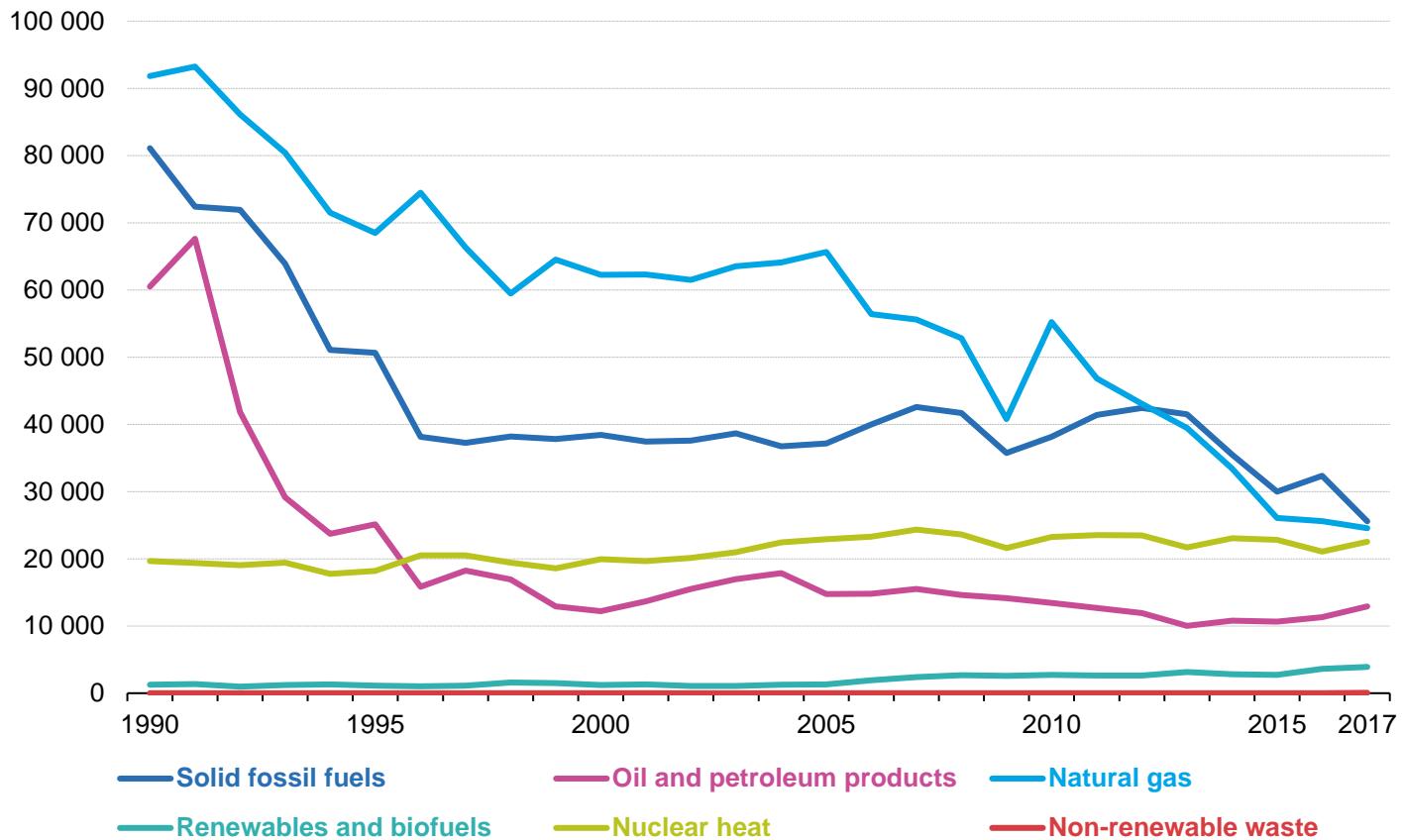
Source: Eurostat (nrg\_bal\_c)

Ukraine	ktoe									
	2005	2010	2011	2012	2013	2014	2015	2016	2017	
<b>Gross available energy</b>	141 229	132 573	126 644	122 650	115 114	104 909	92 247	93 751	89 196	
Solid fossil fuels	37 177	38 131	41 383	42 449	41 509	35 509	29 995	32 329	25 577	
Peat & peat products	125	119	104	96	115	68	117	121	119	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	19 810	11 497	9 100	5 073	3 978	3 043	2 851	2 806	3 351	
Petroleum products	-5 052	1 956	3 590	6 841	6 043	7 728	7 776	8 501	9 543	
Natural gas	65 665	55 250	46 853	43 035	39 461	33 450	26 083	25 600	24 554	
Nuclear heat	22 895	23 234	23 519	23 490	21 685	23 035	22 836	21 096	22 528	
Renewable energies	1 328	2 735	2 636	2 652	3 173	2 801	2 705	3 621	3 910	
Non-renewable wastes	0	0	0	0	0	0	0	0	60	
<b>Primary production</b>	78 929	77 303	81 887	84 193	82 694	71 055	63 527	63 344	58 381	
Solid fossil fuels	34 528	32 142	36 596	39 052	38 213	26 778	19 916	20 516	13 517	
Peat	149	100	119	106	108	107	114	125	120	
Oil shale and oil sands	0	0	0	0	0	0	0	0	0	
Crude oil & other hydrocarbons	4 392	3 590	3 407	3 437	3 167	2 817	2 618	2 304	2 208	
Natural gas	15 638	15 436	15 530	15 413	16 032	15 055	14 839	15 171	15 472	
Nuclear heat	22 895	23 234	23 519	23 490	21 685	23 035	22 836	21 096	22 528	
Renewable energies	1 328	2 801	2 715	2 693	3 490	3 263	3 204	4 132	4 476	
Non-renewable wastes	0	0	0	0	0	0	0	0	60	
<b>Net imports</b>	59 751	41 906	47 684	38 499	31 400	27 438	30 002	27 681	33 125	
Solid fossil fuels	2 625	2 982	2 764	4 740	2 895	5 499	9 369	10 124	12 428	
Crude oil	14 561	7 804	5 707	1 530	733	139	220	505	826	
Gas/Diesel Oil (w/o bio)	-258	1 806	2 928	4 310	4 269	4 736	4 873	5 166	5 270	
Motor Gasoline (w/o bio)	83	1 626	1 294	1 659	1 602	2 091	1 475	1 528	1 325	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	-277	63	140	260	397	474	657	1 188	1 229	
All other oil & petroleum products	-4 525	-1 488	-724	465	99	7	739	1 198	1 768	
Natural gas	48 263	29 555	36 189	26 598	22 595	15 724	13 292	8 809	11 262	
<b>Transformation input</b>	114 413	100 117	101 814	96 265	90 898	78 104	71 492	74 530	67 820	
Electricity & heat generation	65 892	61 028	63 561	63 736	60 907	55 277	49 781	51 165	47 877	
Refinery intake	19 766	11 901	9 828	5 199	4 104	3 308	3 051	3 081	3 666	
Coke ovens	20 381	18 395	19 190	18 810	17 230	12 112	11 583	12 771	9 973	
Blast furnaces	7 064	7 788	8 185	7 712	7 797	6 333	6 086	6 471	5 212	
<b>Transformation output</b>	71 371	62 726	61 459	56 067	53 345	44 425	38 384	41 637	37 392	
Electricity & heat generation	32 900	31 100	31 295	31 418	30 715	26 321	23 107	24 840	23 086	
Refinery output	19 429	12 065	9 762	5 179	4 148	3 331	2 832	3 188	2 997	
Coke ovens	15 396	15 196	15 887	15 359	14 594	11 144	9 274	10 232	8 350	
Blast furnaces	3 417	3 556	3 628	3 469	3 439	2 973	2 607	2 806	2 286	
<b>Energy sector</b>	6 855	7 167	6 812	6 615	5 874	4 855	4 234	4 633	3 836	
<b>Distribution losses</b>	8 041	4 204	4 201	4 098	4 139	3 556	3 295	3 388	3 150	
<b>Available for final consumption</b>	82 916	83 536	75 032	71 436	67 422	62 689	51 488	52 682	51 530	
Solid fossil fuels	8 194	4 649	5 509	5 472	5 606	6 454	4 047	3 963	3 390	
Manufactured gases	3 104	3 264	3 397	3 182	2 952	2 674	2 176	2 284	1 767	
Peat & peat products	206	70	108	102	67	25	67	59	69	
Oil shale & oil sands	0	0	0	0	0	0	0	0	0	
Gas/Diesel Oil (w/o bio)	5 221	5 621	5 514	5 674	5 122	5 659	5 571	5 442	6 300	
Motor Gasoline (w/o bio)	4 998	4 589	4 314	3 410	2 633	2 981	2 168	2 225	2 094	
Naphtha	0	0	0	0	0	0	0	0	0	
LPG	574	804	843	879	940	956	1 008	1 604	1 632	
All other oil & petroleum products	2 130	1 478	976	1 048	595	455	946	512	1 364	
Natural gas	35 118	37 986	29 201	26 860	24 923	21 845	16 141	15 858	15 166	
Primary solid biofuels & charcoal	204	955	1 009	999	1 043	1 125	1 218	1 655	1 758	
Liquid biofuels	0	0	0	0	48	42	35	38	47	
All other renewable energies	18	28	30	30	32	34	30	31	30	
Non-renewable wastes	0	0	0	0	0	0	0	0	57	
Electricity	10 585	11 534	12 021	11 837	11 826	11 504	10 733	10 636	10 092	
Heat	12 565	12 559	12 111	11 941	11 634	8 935	7 350	8 375	7 765	
<b>Statistical difference</b>	987	9 587	-638	-1 084	-2 650	1 296	681	950	1 665	
<b>Final non-energy consumption</b>	8 575	5 562	6 024	6 116	4 929	3 499	3 318	2 910	2 515	
<b>Final energy consumption</b>	73 355	68 388	69 646	66 404	65 144	57 894	47 488	48 822	47 350	
Industry	33 223	24 939	25 811	23 982	21 842	20 568	16 378	15 509	15 094	
Transport	11 775	12 917	12 875	11 772	11 849	10 300	8 721	9 134	9 591	
Other sectors	28 357	30 532	30 961	30 650	31 453	27 026	22 389	24 180	22 666	
Services	2 182	4 652	5 129	5 007	5 768	4 665	3 888	4 672	4 393	
Households	23 351	23 839	23 588	23 454	23 446	20 357	16 552	17 348	16 433	

Source: Eurostat (nrg\_bal\_c)

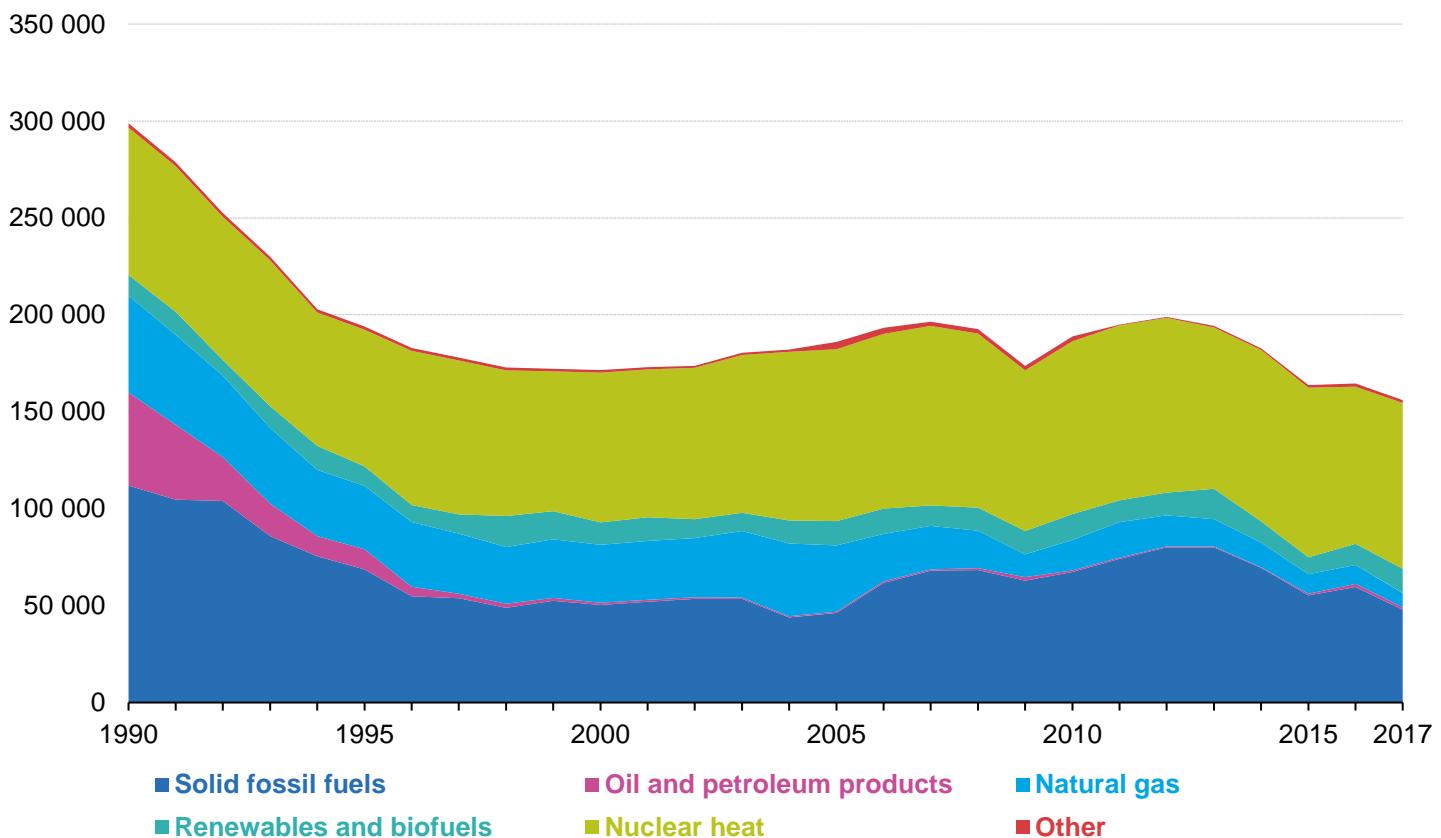
# Ukraine

## Gross available energy by fuel, ktoe



Source: Eurostat (nrg\_bal\_c)

## Gross electricity production by fuel, GWh

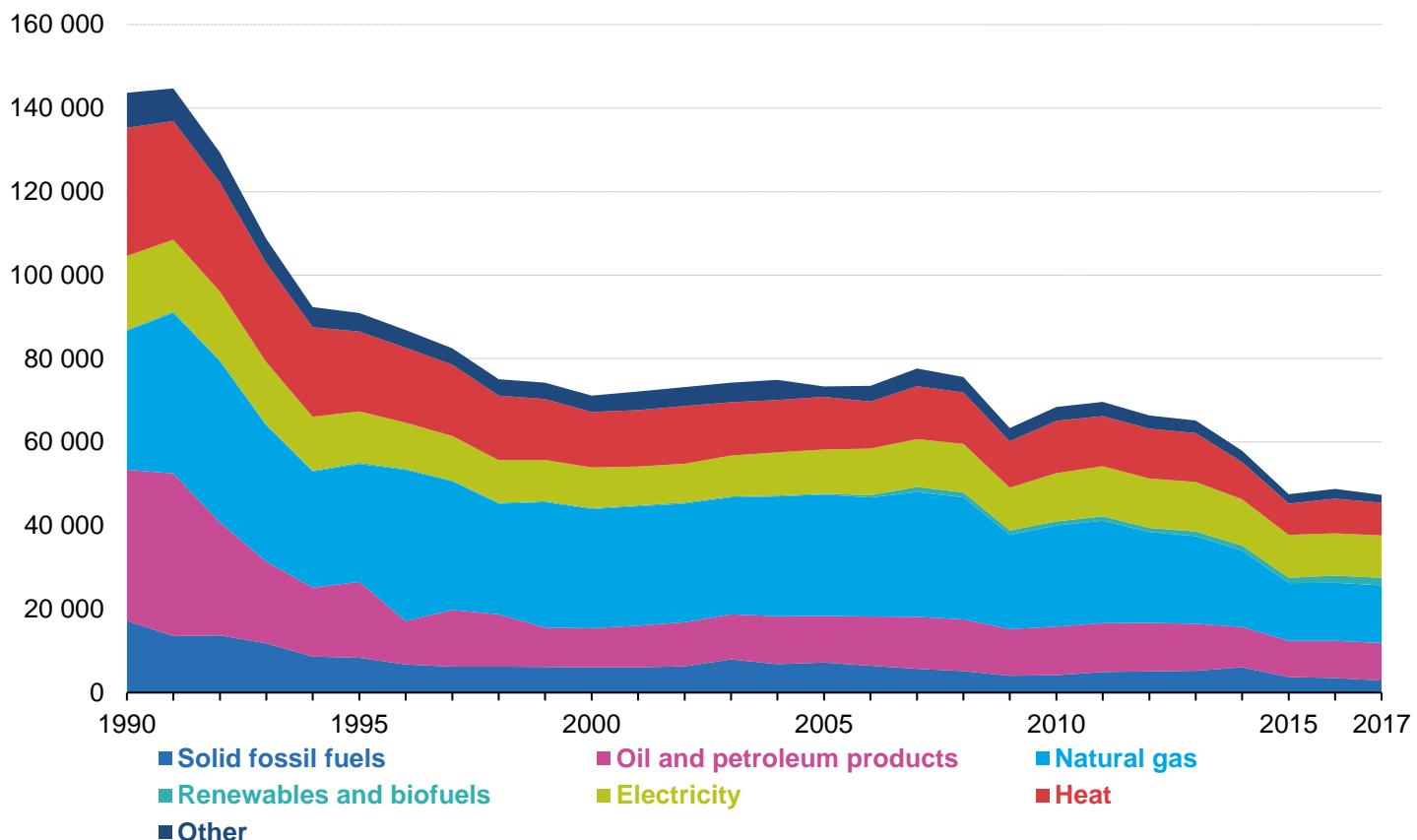


Source: Eurostat (nrg\_bal\_c)

Note: Please refer to page 23 for related methodological definitions.

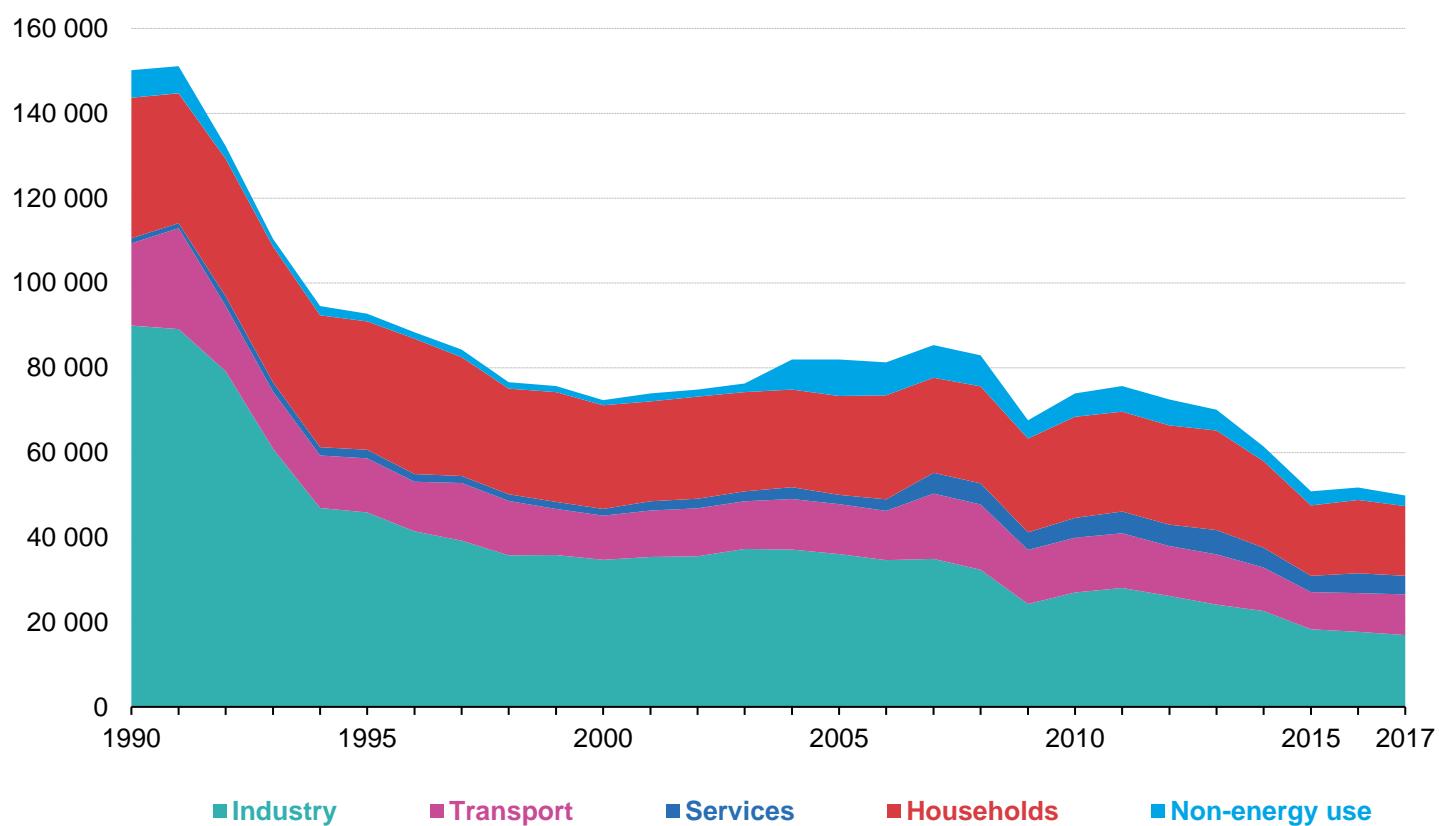
# Ukraine

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

Georgia ktoe	Total 2017	Solid fossil fuels	Manufac- tured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	1 333.6	108.9	Z	0.0	0.0	32.5	7.1	1 185.1	0.0	0.0	Z	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	3 908.7	192.2	0.0	0.0	0.0	1 613.6	1 952.3	0.0	0.0	Z	0.0	150.6
- Exports	362.7	9.9	0.0	0.0	0.0	270.4	0.0	1.6	0.0	Z	0.0	80.8
+ Change in stock	16.5	0.4	0.0	0.0	0.0	16.1	0.0	0.0	0.0	Z	Z	Z
= Gross available energy	<b>4 896.1</b>	<b>291.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 391.8</b>	<b>1 959.4</b>	<b>1 183.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>69.8</b>
- International maritime bunkers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	<b>4 896.1</b>	<b>291.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 391.8</b>	<b>1 959.4</b>	<b>1 183.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>69.8</b>
- International aviation	97.6	Z	Z	Z	Z	97.6	Z	0.0	Z	Z	Z	Z
= Total energy supply	<b>4 798.5</b>	<b>291.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 294.2</b>	<b>1 959.4</b>	<b>1 183.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>69.8</b>
<b>Transformation input</b>	<b>1 538.0</b>	<b>15.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>287.9</b>	<b>435.5</b>	<b>799.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
+ Electricity & heat generation	1 250.2	15.1	0.0	0.0	0.0	0.0	435.5	799.5	0.0	0.0	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	287.9	Z	Z	Z	Z	287.9	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	0.0	Z	0.0	Z	Z	0.0	Z	0.0	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
<b>Transformation output</b>	<b>1 289.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>298.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>0.0</b>	<b>991.5</b>
+ Electricity & heat generation	991.5	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	991.5
+ Coke ovens	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	298.0	Z	Z	Z	Z	298.0	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Liquid biofuels blended	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
<b>Energy sector</b>	<b>20.2</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>19.8</b>
+ Own use in electricity & heat genera	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	18.5
+ Coal mines	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	1.3
+ Oil & natural gas extraction plants	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	0.0	0.0
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Nuclear industry	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.0
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	Z	0.0	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
<b>Distribution losses</b>	<b>159.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>79.8</b>	<b>2.0</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>0.0</b>	<b>77.7</b>
<b>Available for final consumption</b>	<b>4 370.2</b>	<b>276.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 304.3</b>	<b>1 444.0</b>	<b>382.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>963.8</b>
<b>Final non-energy consumption</b>	<b>320.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>115.0</b>	<b>205.2</b>	<b>0.0</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>
<b>Final energy consumption</b>	<b>4 044.9</b>	<b>276.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1 184.2</b>	<b>1 238.8</b>	<b>382.1</b>	<b>0.0</b>	<b>Z</b>	<b>0.0</b>	<b>963.8</b>
+ Industry	758.2	274.7	0.0	0.0	0.0	83.2	115.9	1.1	0.0	Z	0.0	283.3
+ Iron & steel	270.7	98.8	0.0	0.0	0.0	0.1	13.6	0.0	0.0	Z	0.0	158.2
+ Chemical & petrochemical	29.2	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	Z	0.0	24.4
+ Non-ferrous metals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Non-metallic minerals	231.5	172.2	0.0	0.0	0.0	1.4	32.5	0.0	0.0	Z	0.0	25.3
+ Transport equipment	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Z	0.0	0.2
+ Machinery	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Z	0.0	0.5
+ Mining & quarrying	29.9	0.0	0.0	0.0	0.0	18.3	0.8	0.0	0.0	Z	0.0	10.8
+ Food, beverages & tobacco	67.8	3.8	0.0	0.0	0.0	0.5	41.2	1.0	0.0	Z	0.0	21.3
+ Paper, pulp & printing	3.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	Z	0.0	1.5
+ Wood & wood products	1.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	Z	0.0	0.7
+ Construction	93.1	0.0	0.0	0.0	0.0	62.9	17.7	0.0	0.0	Z	0.0	12.5
+ Textile & leather	2.7	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	Z	0.0	1.5
+ Not elsewhere specified (industry)	28.2	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	Z	0.0	26.4
+ Transport	1 301.5	0.0	0.0	0.0	0.0	1 062.8	209.8	0.0	0.0	Z	Z	28.9
+ Rail	39.7	0.0	0.0	0.0	0.0	10.8	Z	0.0	0.0	Z	Z	28.9
+ Road	1 258.9	Z	Z	Z	Z	1 049.1	209.8	0.0	0.0	Z	Z	0.0
+ Domestic aviation	1.0	Z	Z	Z	Z	1.0	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	1.9	0.0	0.0	0.0	0.0	1.9	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	0.0	Z	Z	Z	Z	0.0	0.0	0.0	Z	Z	Z	0.0
+ Not elsewhere specified (transport)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0
+ Other	1 985.2	1.3	0.0	0.0	0.0	38.3	913.1	381.0	0.0	Z	0.0	651.5
+ Commercial & public services	451.7	0.5	0.0	0.0	0.0	9.8	163.7	15.3	0.0	Z	0.0	262.4
+ Households	1 330.9	0.5	0.0	0.0	0.0	15.1	739.0	364.8	0.0	Z	0.0	211.6
+ Agriculture & forestry	30.5	0.3	0.0	0.0	0.0	13.5	10.4	0.9	0.0	Z	0.0	5.4
+ Fishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (other)	172.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	172.1
<b>Statistical differences</b>	<b>5.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Gross electricity production	991.5	2.1	0.0	0.0	0.0	0.0	189.9	799.5	0.0	0.0	Z	Z
Gross heat production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source: Eurostat (nrg\_bal\_c)

Georgia	ktoe								
	2005	2010	2011	2012	2013	2014	2015	2016	2017
<b>Gross available energy</b>	0	0	0	0	3 986	4 472	4 703	4 860	4 896
Solid fossil fuels	0	0	0	0	315	291	272	262	292
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	0	0	0	0	0	0	14	-35	-125
Petroleum products	0	0	0	0	1 072	1 128	1 253	1 540	1 517
Natural gas	0	0	0	0	1 388	1 834	2 016	1 891	1 959
Nuclear heat	0	0	0	0	0	0	0	0	0
Renewable energies	0	0	0	0	1 208	1 199	1 144	1 210	1 184
Non-renewable wastes	0	0	0	0	0	0	0	0	0
<b>Primary production</b>	0	0	0	0	1 428	1 372	1 319	1 377	1 334
Solid fossil fuels	0	0	0	0	168	121	124	121	109
Peat	0	0	0	0	0	0	0	0	0
Oil shale and oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	0	0	0	0	49	44	41	40	32
Natural gas	0	0	0	0	4	9	10	6	7
Nuclear heat	0	0	0	0	0	0	0	0	0
Renewable energies	0	0	0	0	1 208	1 199	1 144	1 211	1 185
Non-renewable wastes	0	0	0	0	0	0	0	0	0
<b>Net imports</b>	0	0	0	0	2 562	3 103	3 404	3 483	3 546
Solid fossil fuels	0	0	0	0	154	167	151	165	182
Crude oil	0	0	0	0	-58	-42	-20	25	54
Gas/Diesel Oil (w/o bio)	0	0	0	0	487	539	606	670	574
Motor Gasoline (w/o bio)	0	0	0	0	393	392	462	605	560
Naphtha	0	0	0	0	0	0	0	0	0
LPG	0	0	0	0	19	20	16	14	17
All other oil & petroleum products	0	0	0	0	180	180	178	127	139
Natural gas	0	0	0	0	1 384	1 825	2 007	1 885	1 952
<b>Transformation input</b>	0	0	0	0	1 076	1 197	1 284	1 413	1 538
Electricity & heat generation	0	0	0	0	1 076	1 197	1 270	1 250	1 250
Refinery intake	0	0	0	0	0	0	14	26	25
Coke ovens	0	0	0	0	0	0	0	0	0
Blast furnaces	0	0	0	0	0	0	0	0	0
<b>Transformation output</b>	0	0	0	0	865	892	943	1 164	1 289
Electricity & heat generation	0	0	0	0	865	892	931	995	992
Refinery output	0	0	0	0	0	0	12	27	24
Coke ovens	0	0	0	0	0	0	0	0	0
Blast furnaces	0	0	0	0	0	0	0	0	0
<b>Energy sector</b>	0	0	0	0	19	21	22	20	20
<b>Distribution losses</b>	0	0	0	0	141	129	172	183	160
<b>Available for final consumption</b>	0	0	0	0	3 526	3 935	4 097	4 334	4 370
Solid fossil fuels	0	0	0	0	315	290	271	250	276
Manufactured gases	0	0	0	0	0	0	0	0	0
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Gas/Diesel Oil (w/o bio)	0	0	0	0	473	528	616	662	598
Motor Gasoline (w/o bio)	0	0	0	0	401	400	445	627	564
Naphtha	0	0	0	0	0	0	0	0	2
LPG	0	0	0	0	19	20	20	18	18
All other oil & petroleum products	0	0	0	0	91	97	114	129	122
Natural gas	0	0	0	0	953	1 278	1 365	1 341	1 444
Primary solid biofuels & charcoal	0	0	0	0	481	465	398	386	363
Liquid biofuels	0	0	0	0	0	0	0	0	0
All other renewable energies	0	0	0	0	14	15	17	18	19
Non-renewable wastes	0	0	0	0	0	0	0	0	0
Electricity	0	0	0	0	780	841	852	902	964
Heat	0	0	0	0	0	0	0	0	0
<b>Statistical difference</b>	0	0	0	0	0	0	-1	5	5
<b>Final non-energy consumption</b>	0	0	0	0	278	310	332	300	320
<b>Final energy consumption</b>	0	0	0	0	3 248	3 625	3 766	4 029	4 045
Industry	0	0	0	0	645	678	693	680	758
Transport	0	0	0	0	1 011	1 171	1 288	1 448	1 302
Other sectors	0	0	0	0	1 592	1 777	1 785	1 902	1 985
Services	0	0	0	0	339	432	404	435	452
Households	0	0	0	0	1 103	1 191	1 208	1 273	1 331

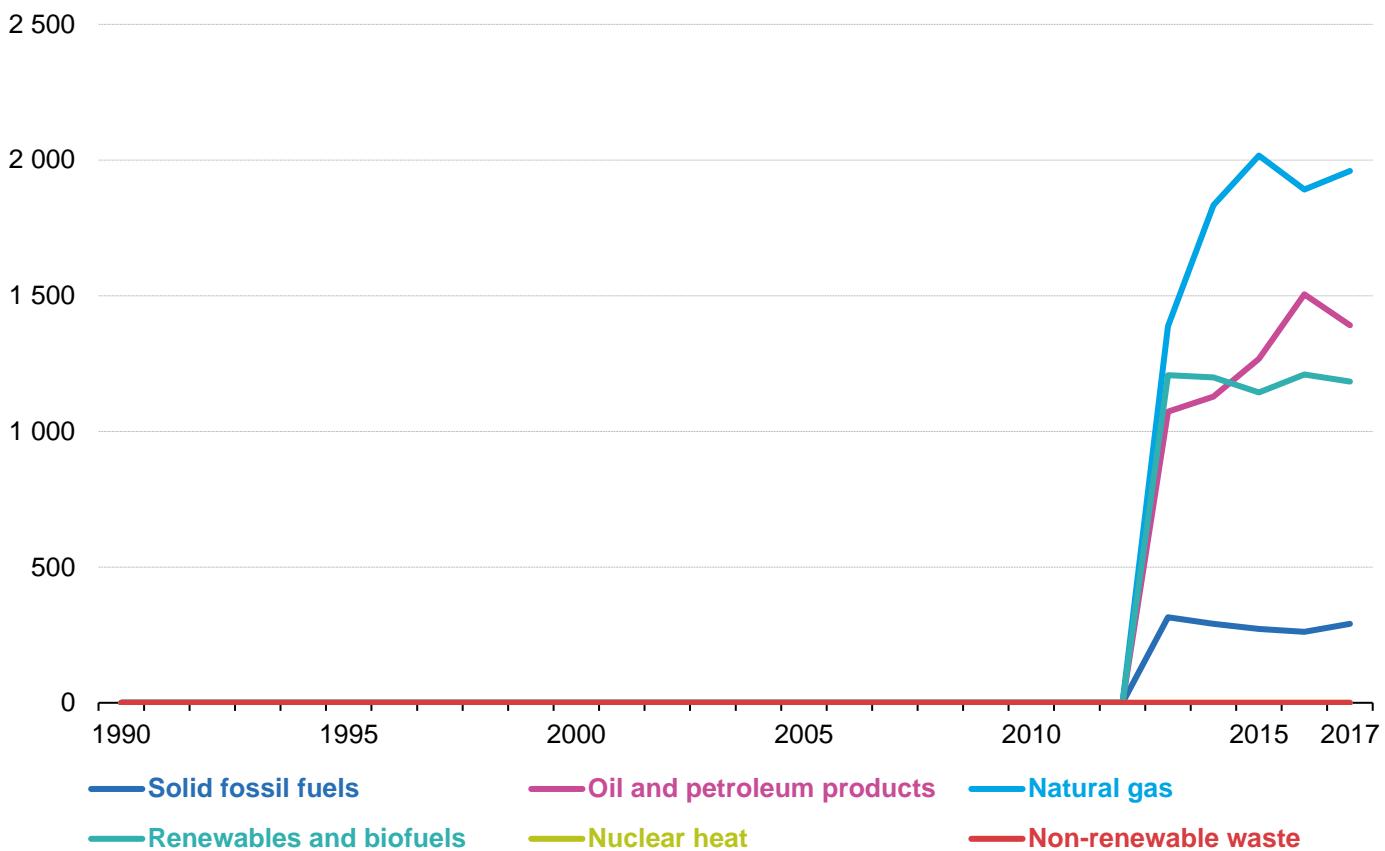
Europe 2020-2030 indicators

	2005	2010	2011	2012	2013	2014	2015	2016	2017
Gross inland consumption	0	0	0	0	3 986	4 472	4 703	4 860	4 896
Primary energy consumption	0	0	0	0	3 708	4 163	4 371	4 560	4 576
Final energy consumption	0	0	0	0	3 337	3 708	3 837	4 102	4 142

Source: Eurostat (nrg\_bal\_c)

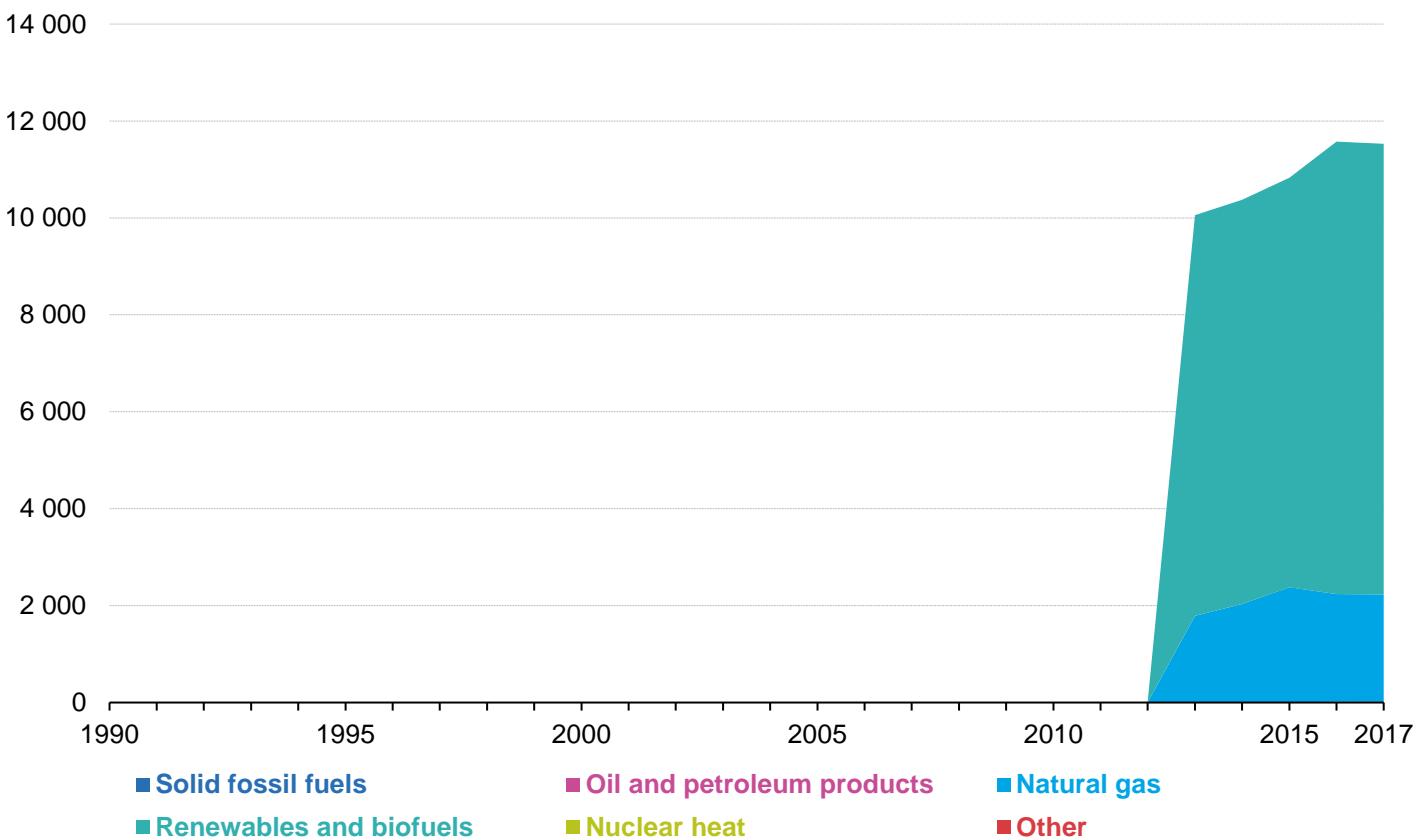
# Georgia

## Gross available energy by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Gross electricity production by fuel, GWh

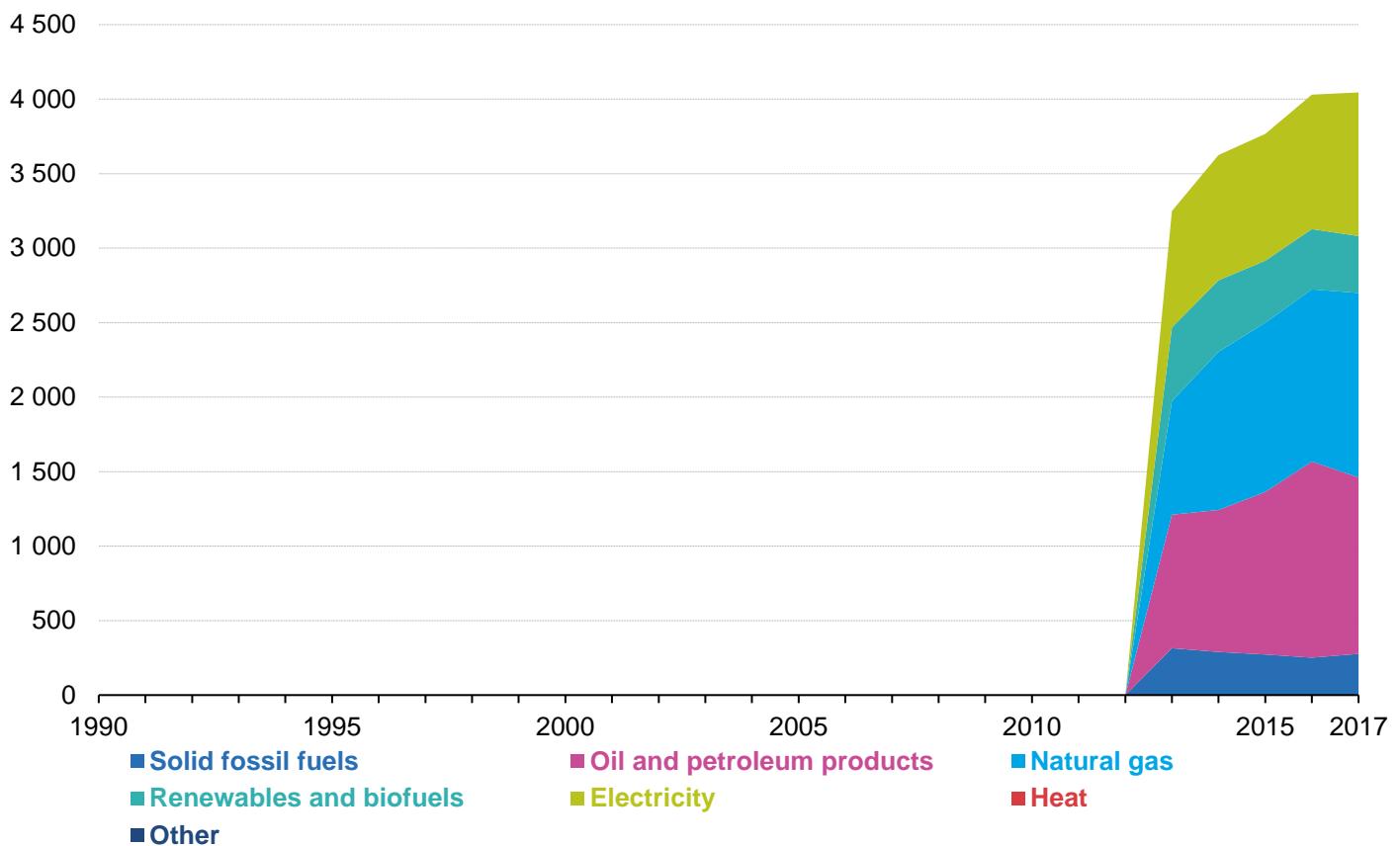


Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

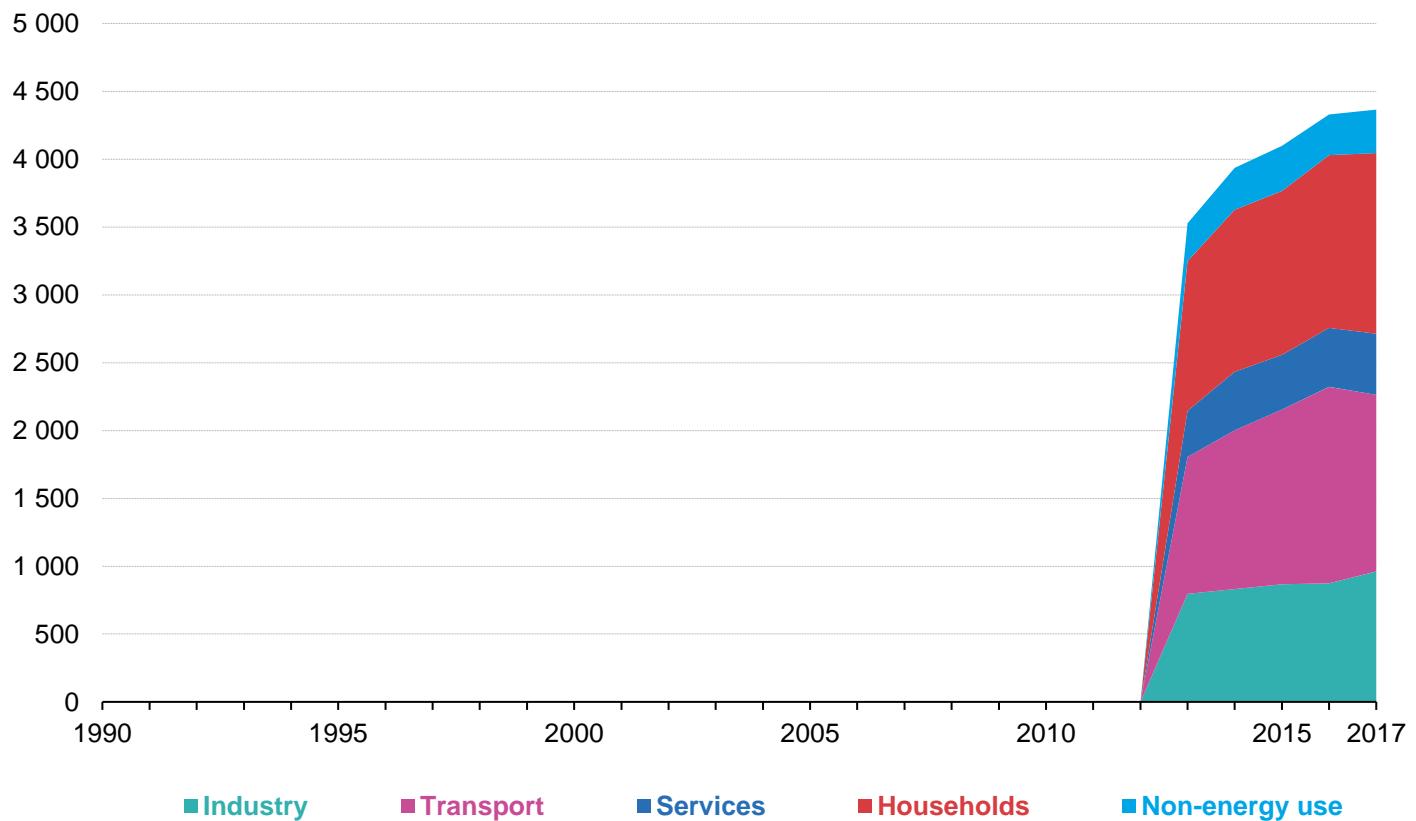
# Georgia

## Final energy consumption by fuel, ktoe



Source: Eurostat (*nrg\_bal\_c*)

## Final consumption by sector, ktoe



Source: Eurostat (*nrg\_bal\_c*)

Note: Please refer to page 23 for related methodological definitions.

# 6

# 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
- non-renewable waste.

Each fuel family is represented by a different colour.

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

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)

## Methodology notes

The Sankey diagram tool takes its data from the "Sankey diagram dataset - annual data (nrg\_bal\_sd)" in the Eurostat Energy database. The nrg\_bal\_sd dataset takes its data from the "Complete energy balances - annual data (nrg\_bal\_c)" 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 available energy, Gross inland consumption and Total energy supply:** 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

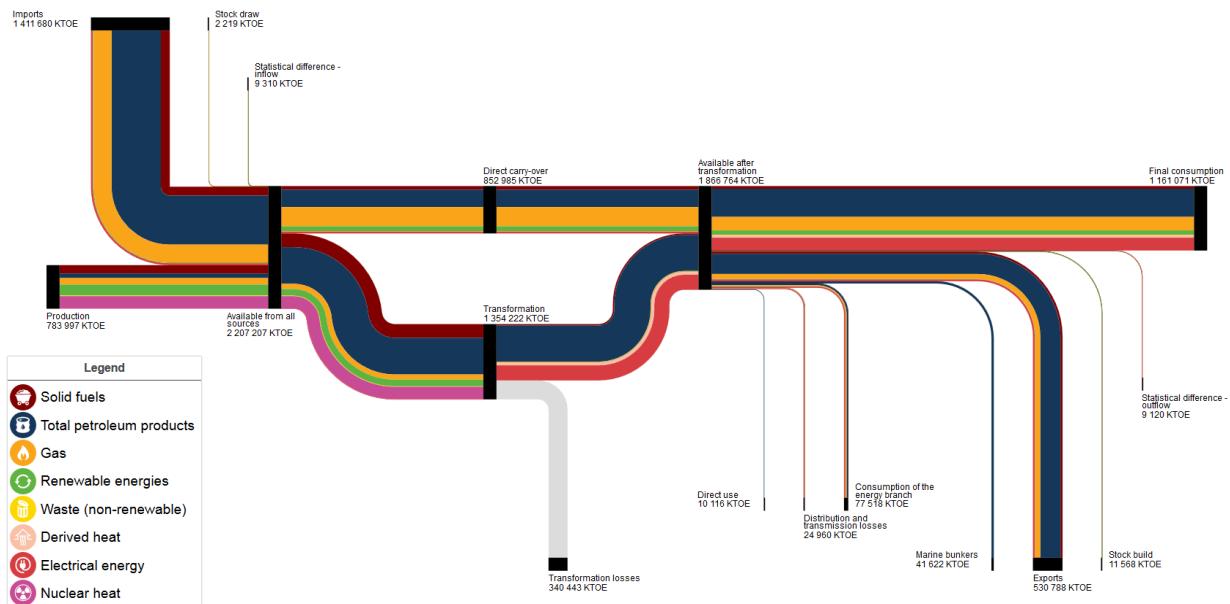
When handling very small flows in the Sankey diagram, a special methodology is needed. Some flows may even be negative due to statistical discrepancies. The method used is as follows: an ad hoc threshold is applied to decide whether any given fuel on display inside a Sankey diagram flow should be drawn 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:

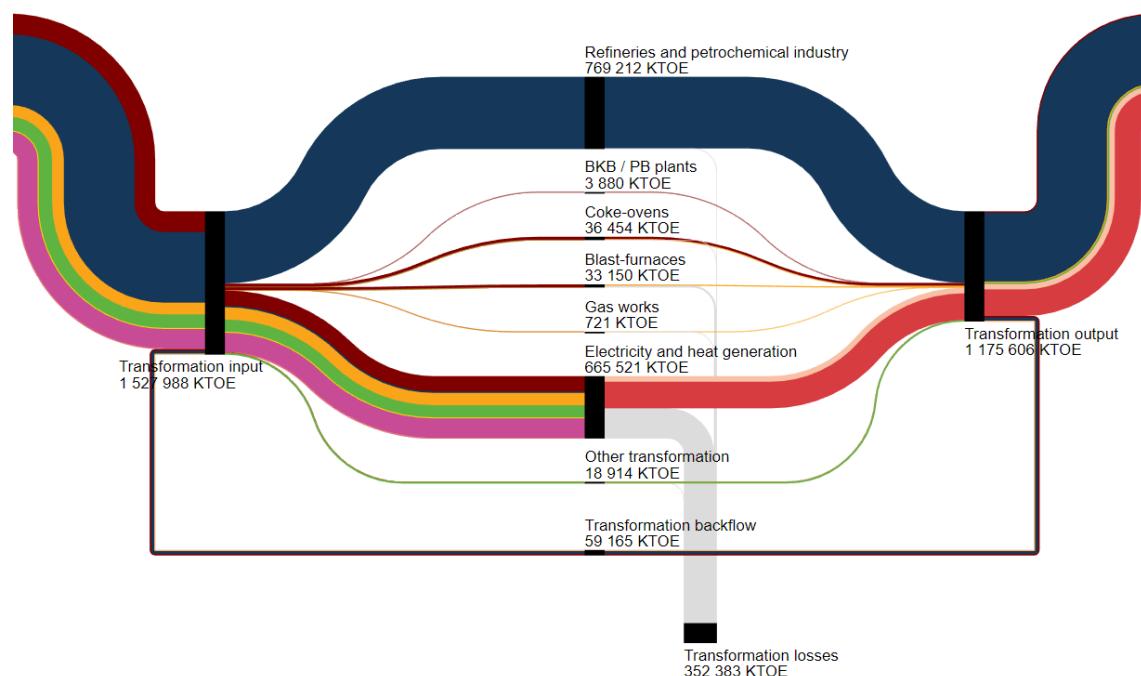
- the variable of the balance (e.g. "Final energy consumption")
- the energy product or product family (e.g. "Motor gasoline" or the "Total petroleum products")
- the country
- the year.

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.

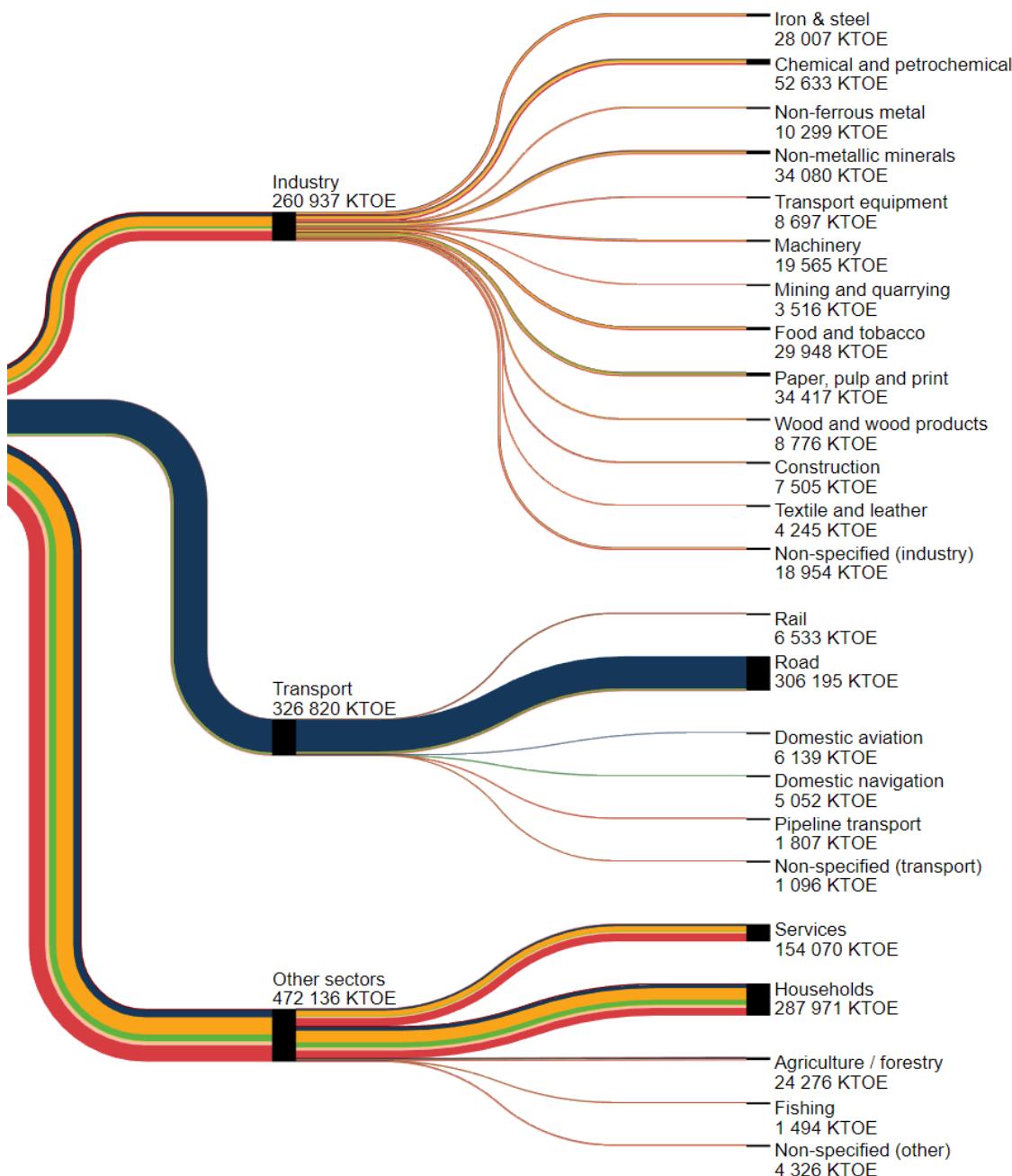
## Further disaggregation of nodes

The interactive tool on Eurostat website offers additional disaggregation of certain nodes, that is not presented in this publication.

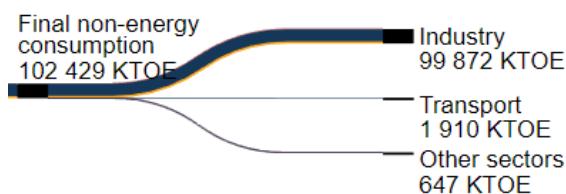
Example of a disaggregation of the transformation node



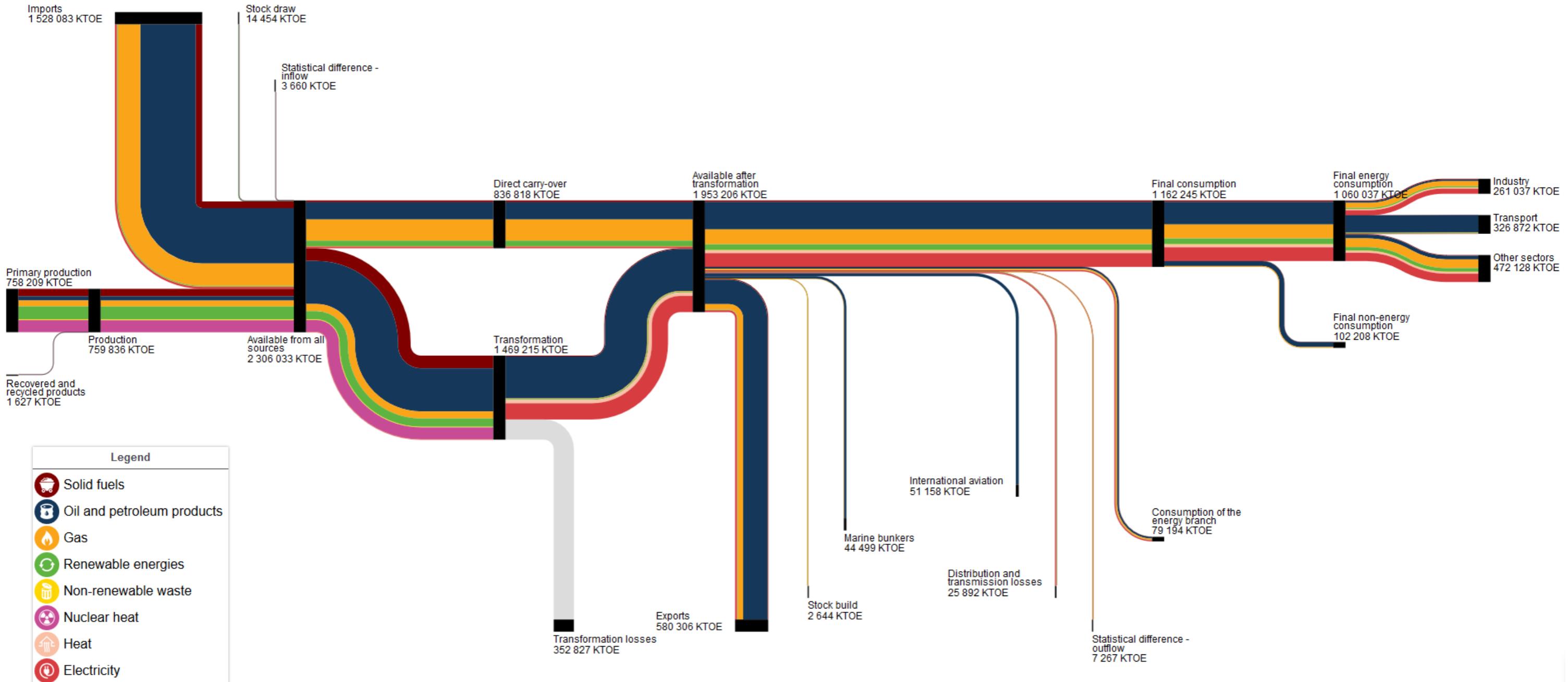
Example of a disaggregation of the final energy consumption node



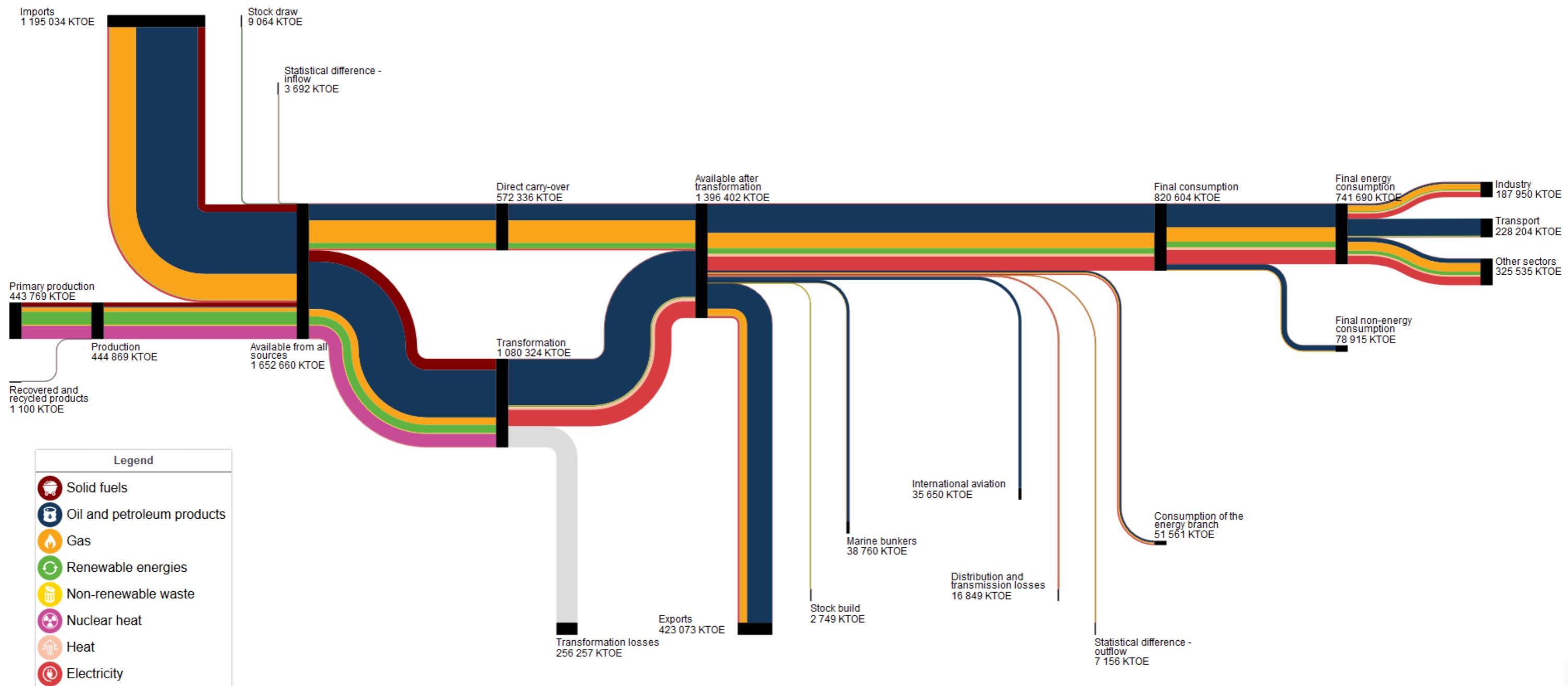
Example of a disaggregation of the final non-energy consumption node



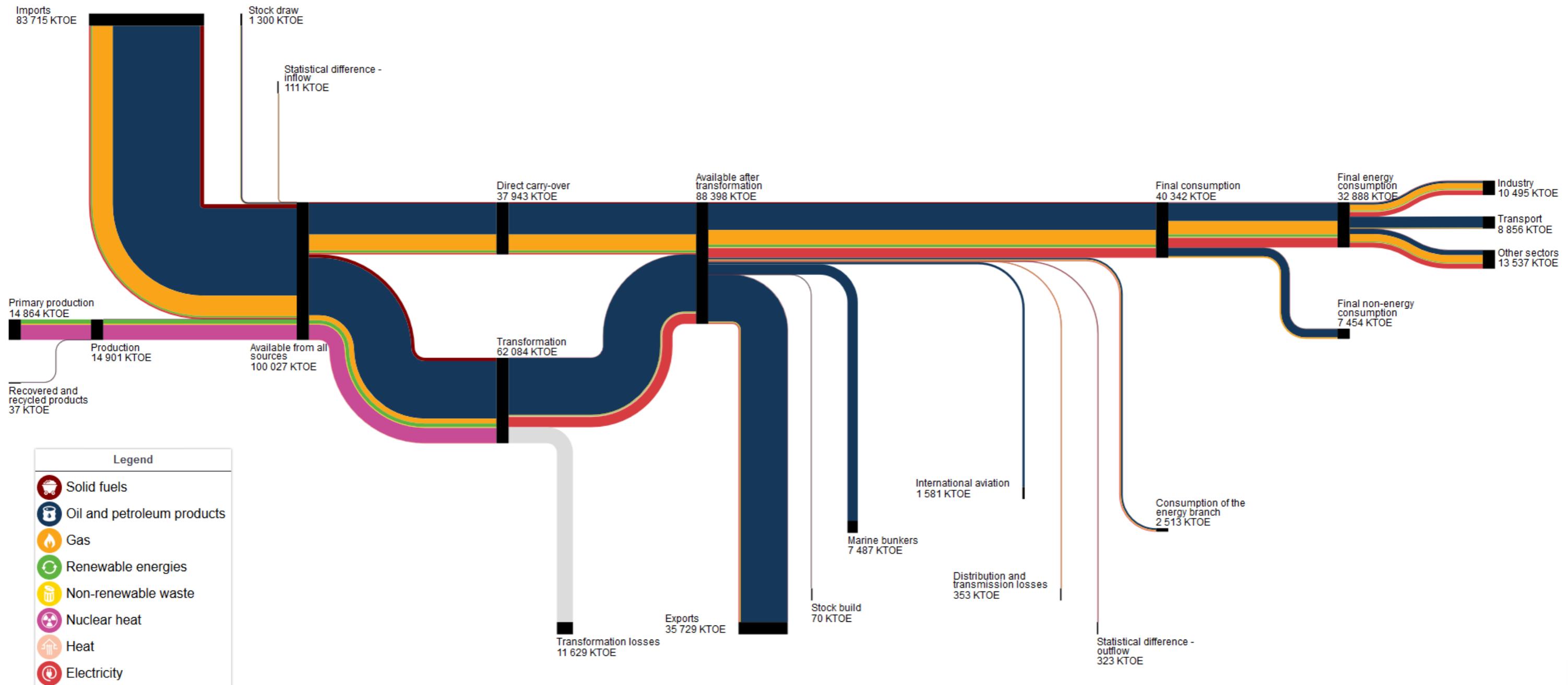
## European Union (28 countries) 2017

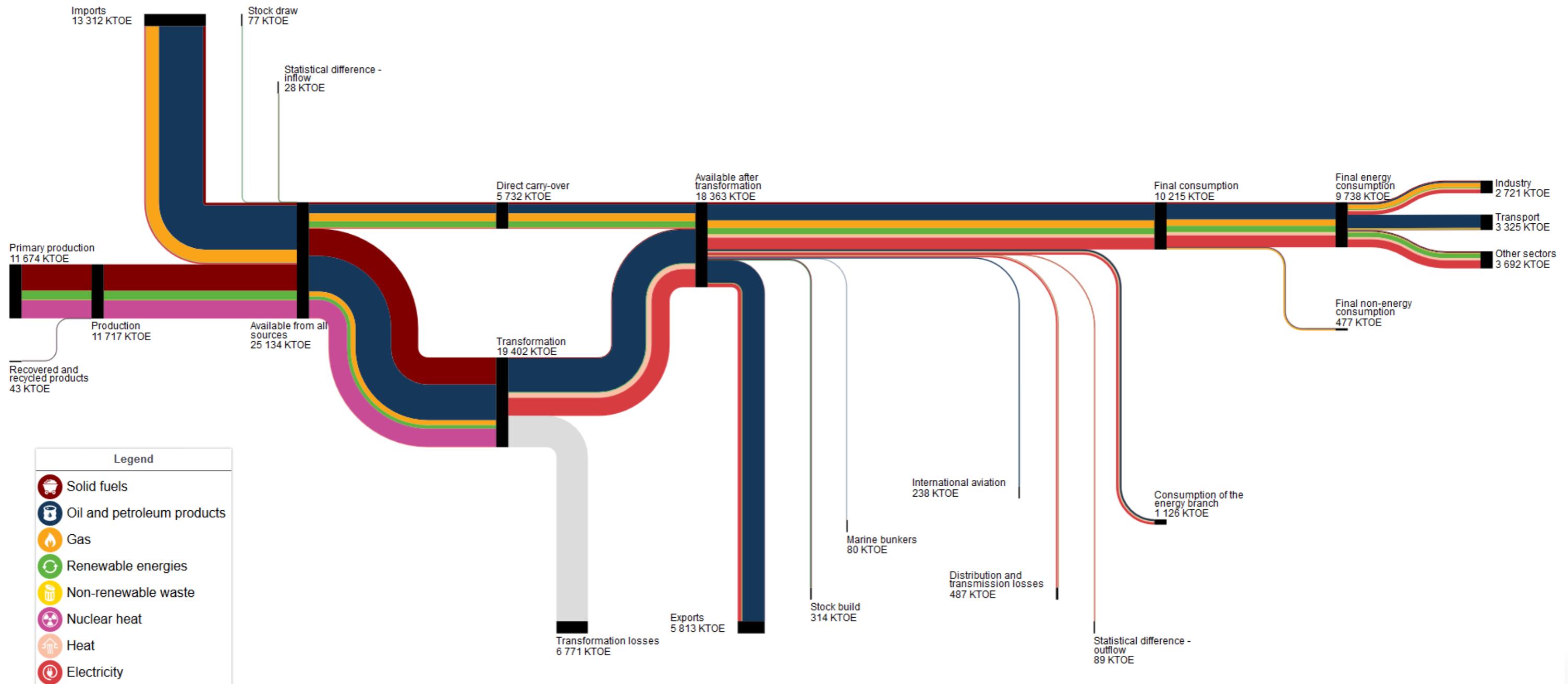


## Euro Area (19 countries) 2017

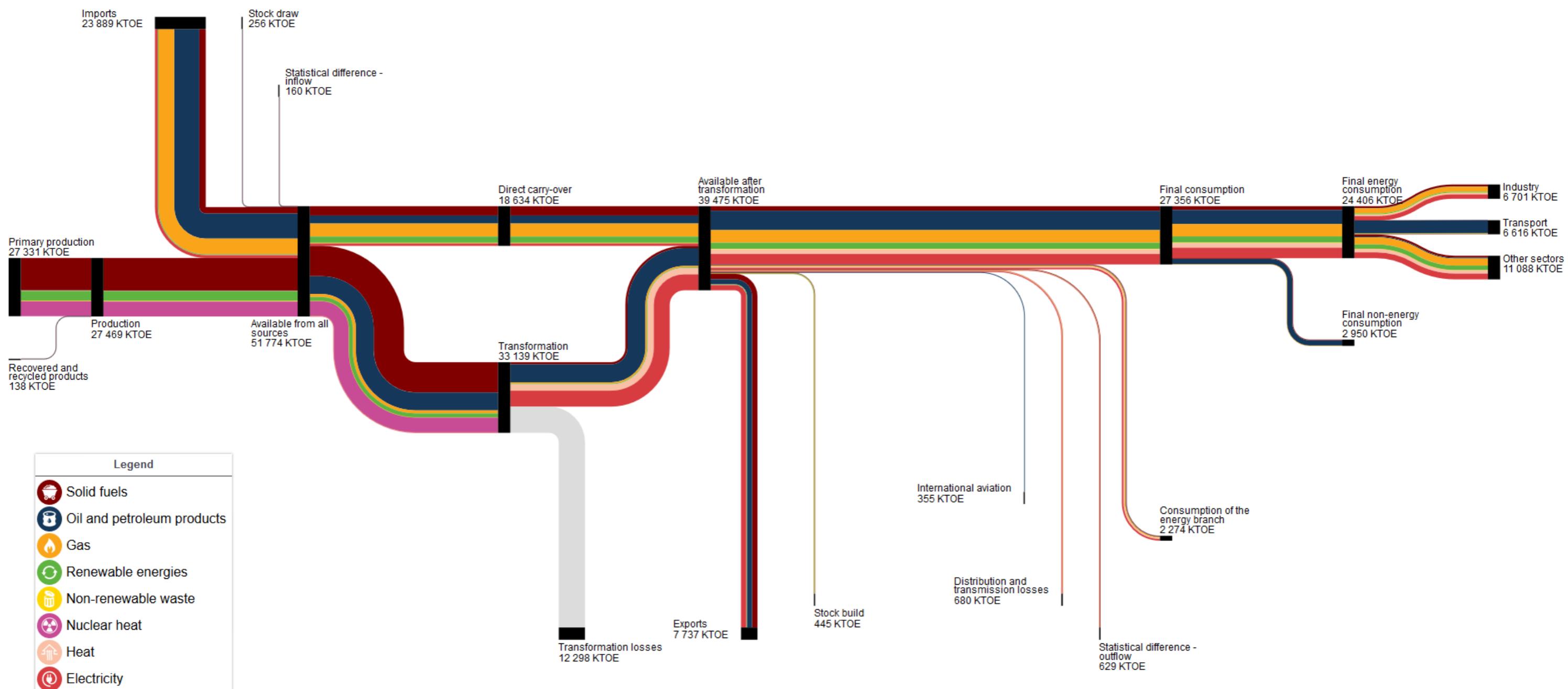


## Belgium 2017

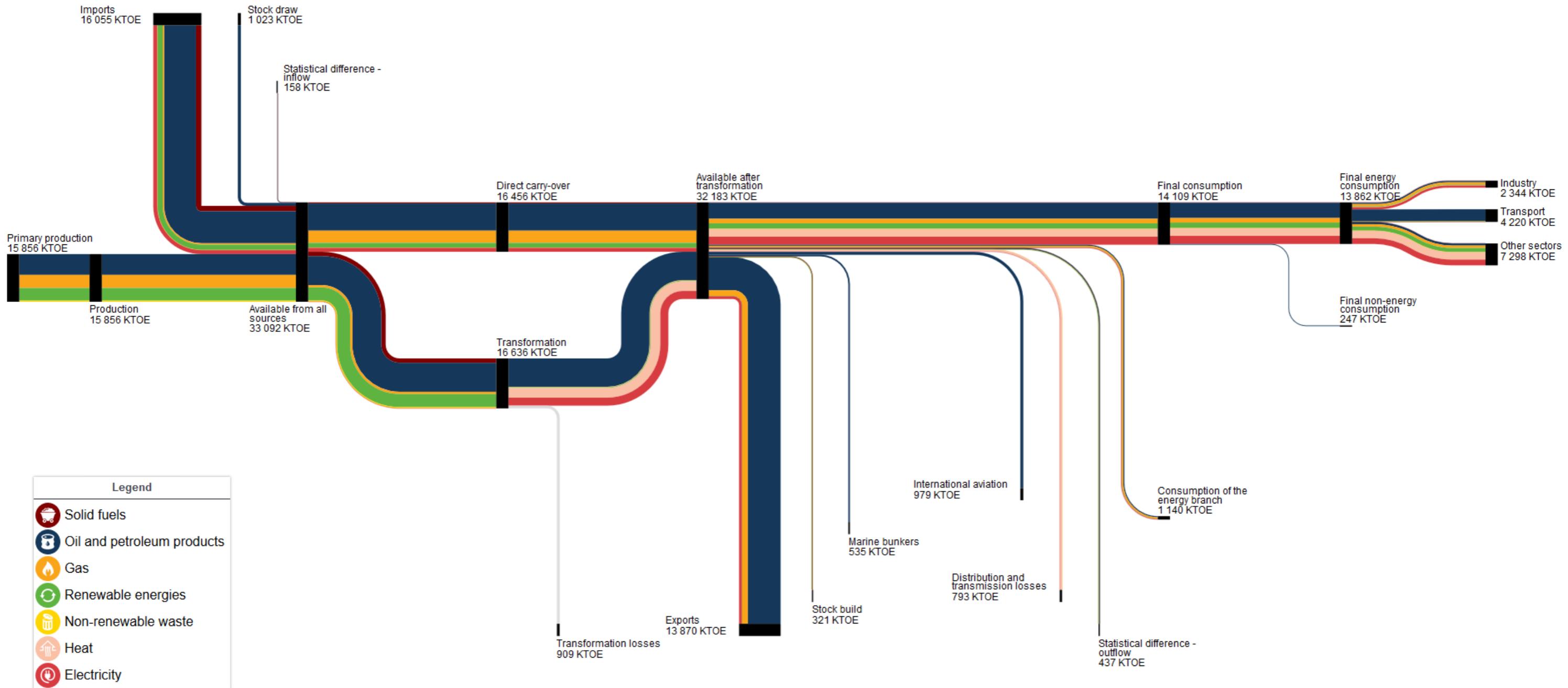


**Bulgaria 2017**

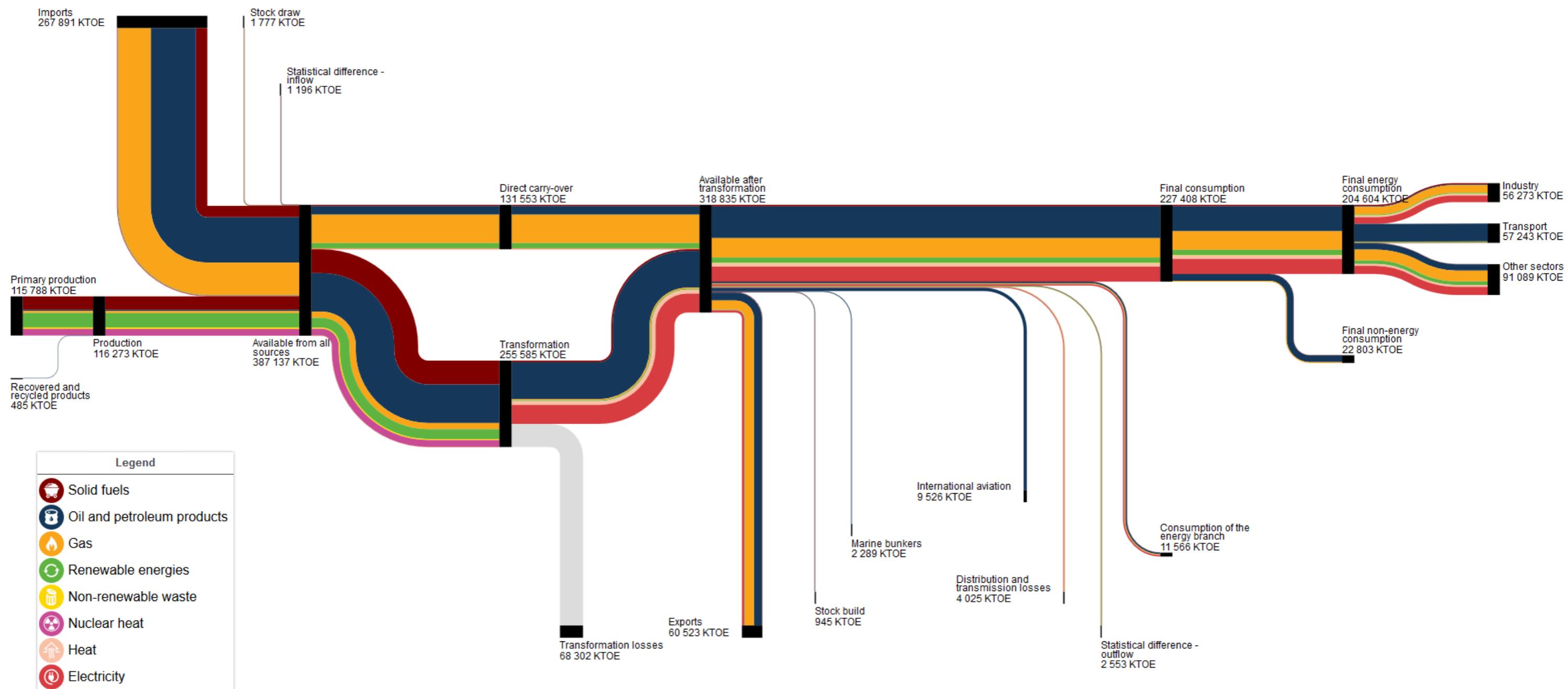
## Czechia 2017



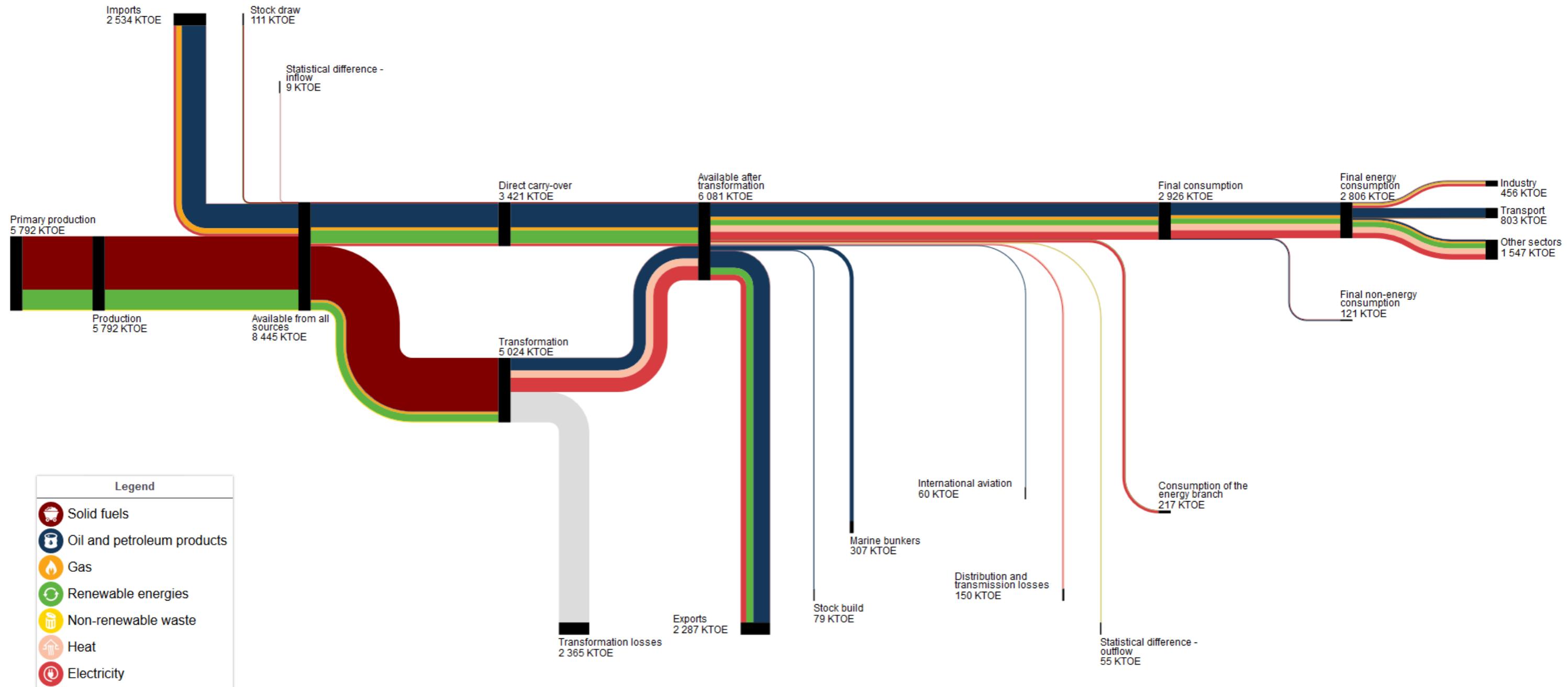
## Denmark 2017



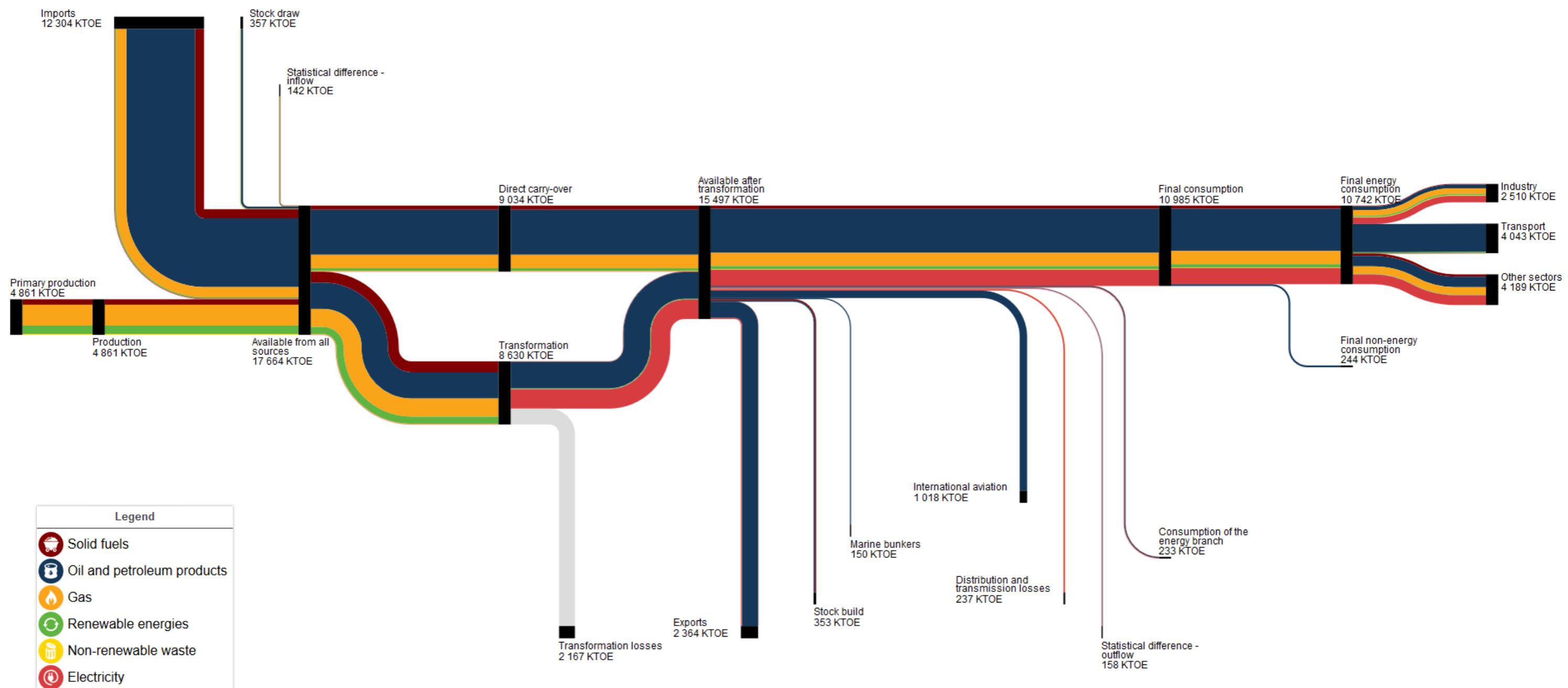
## Germany 2017



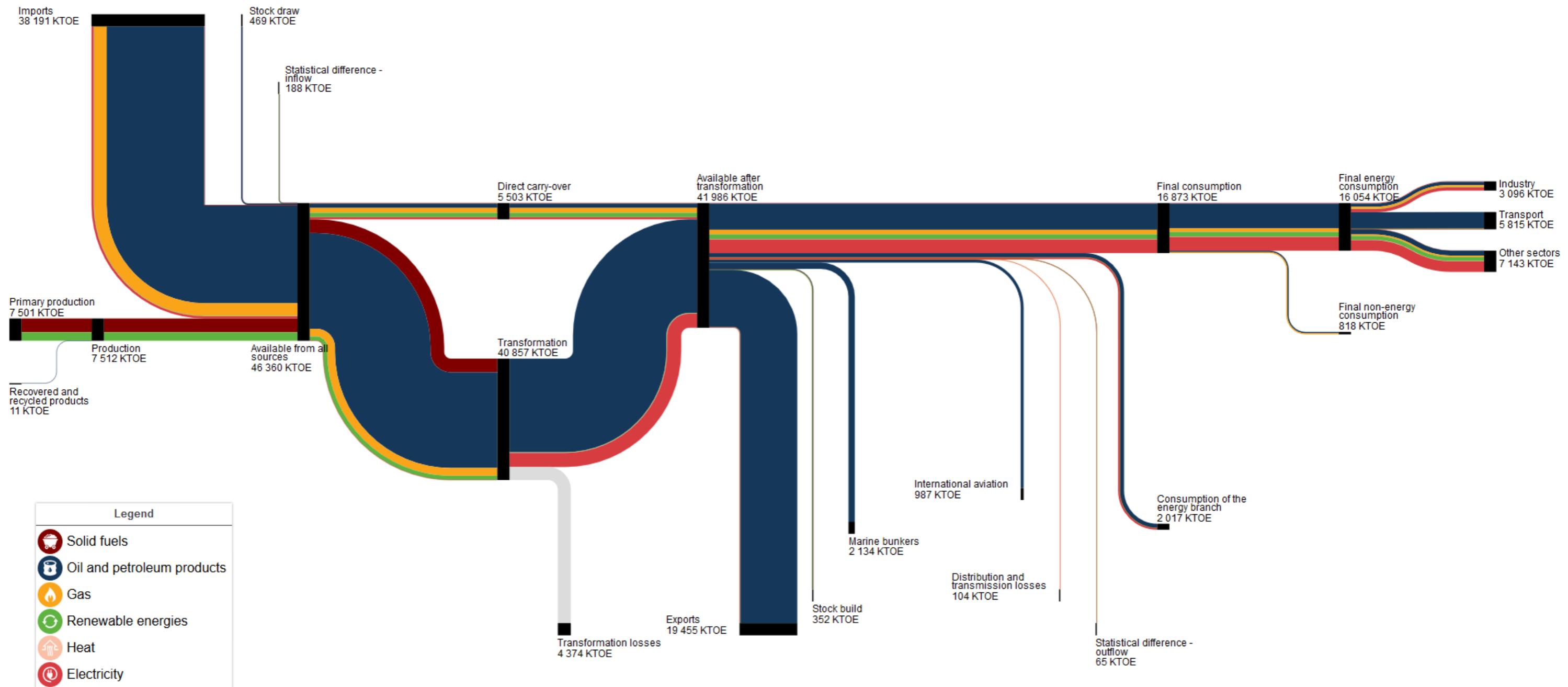
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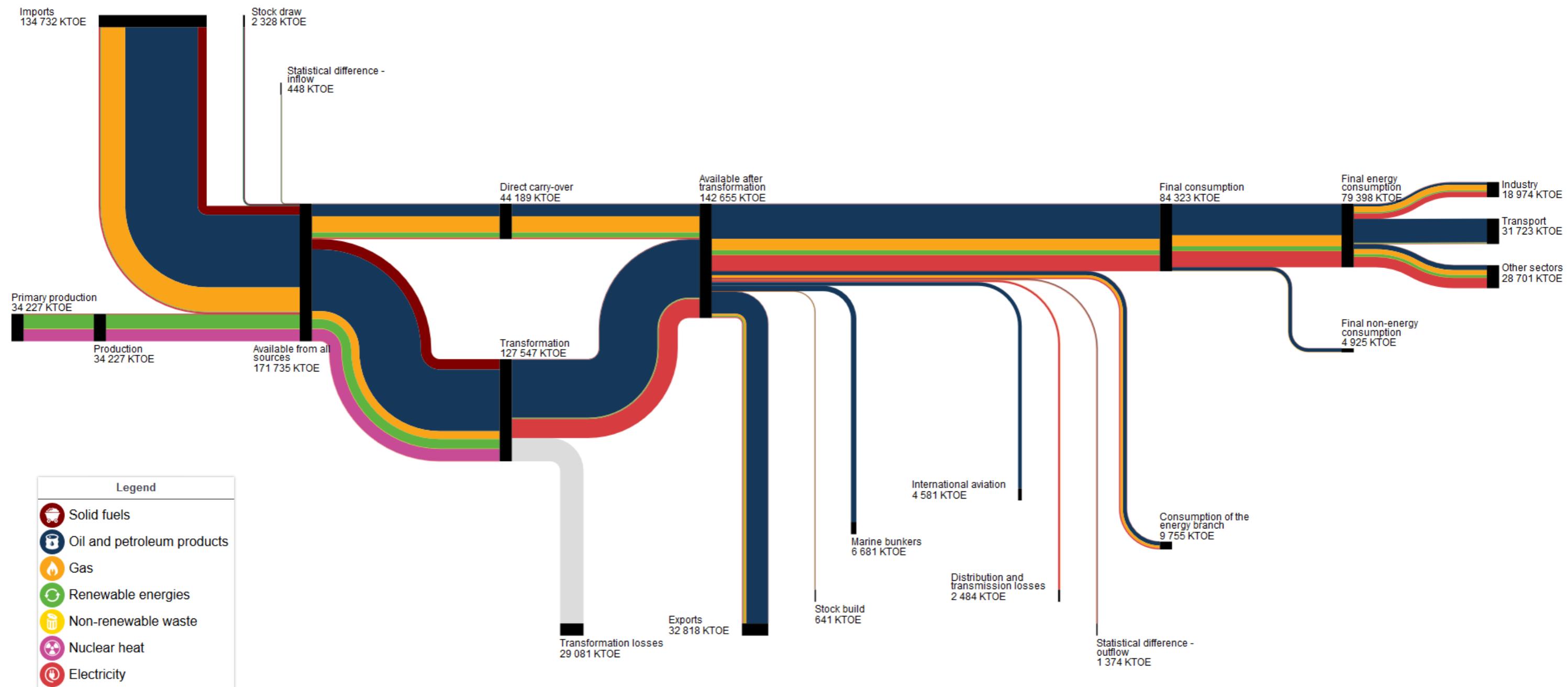
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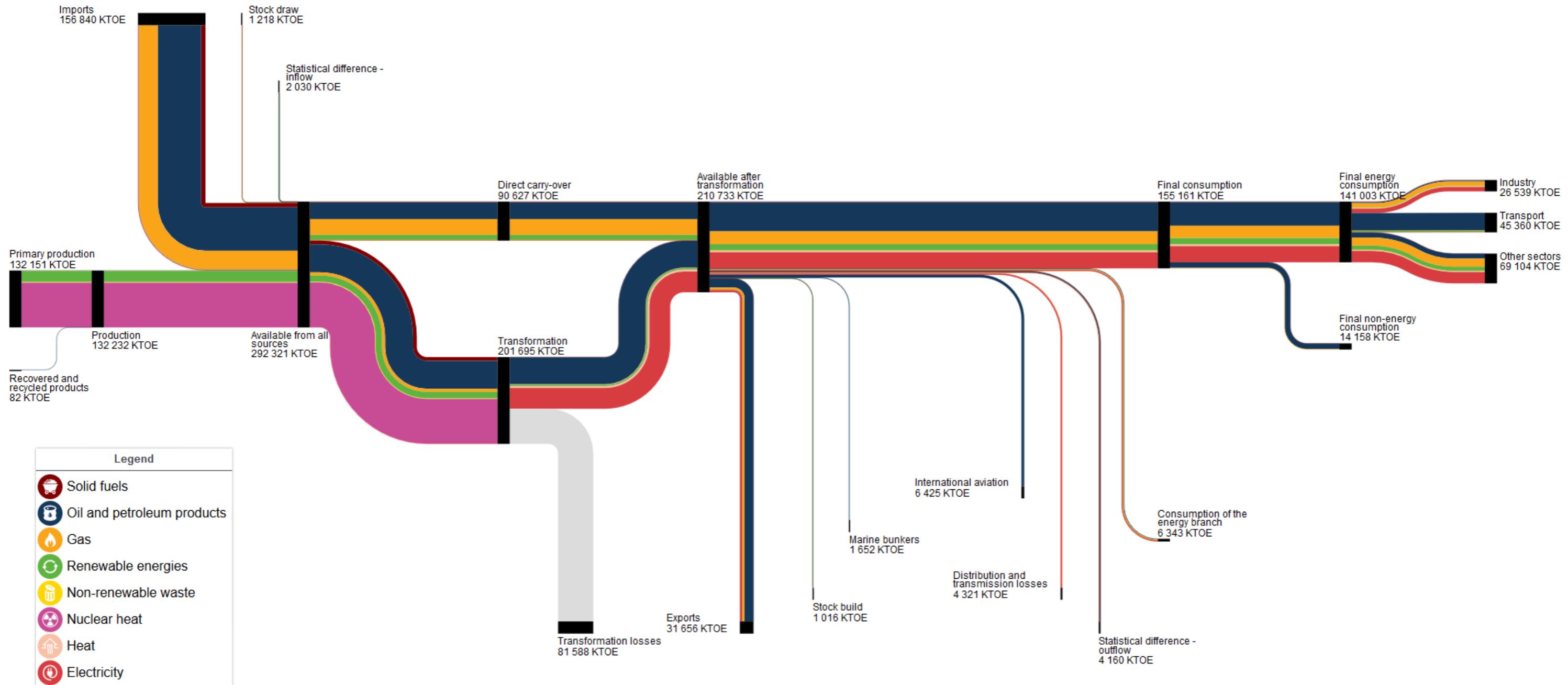
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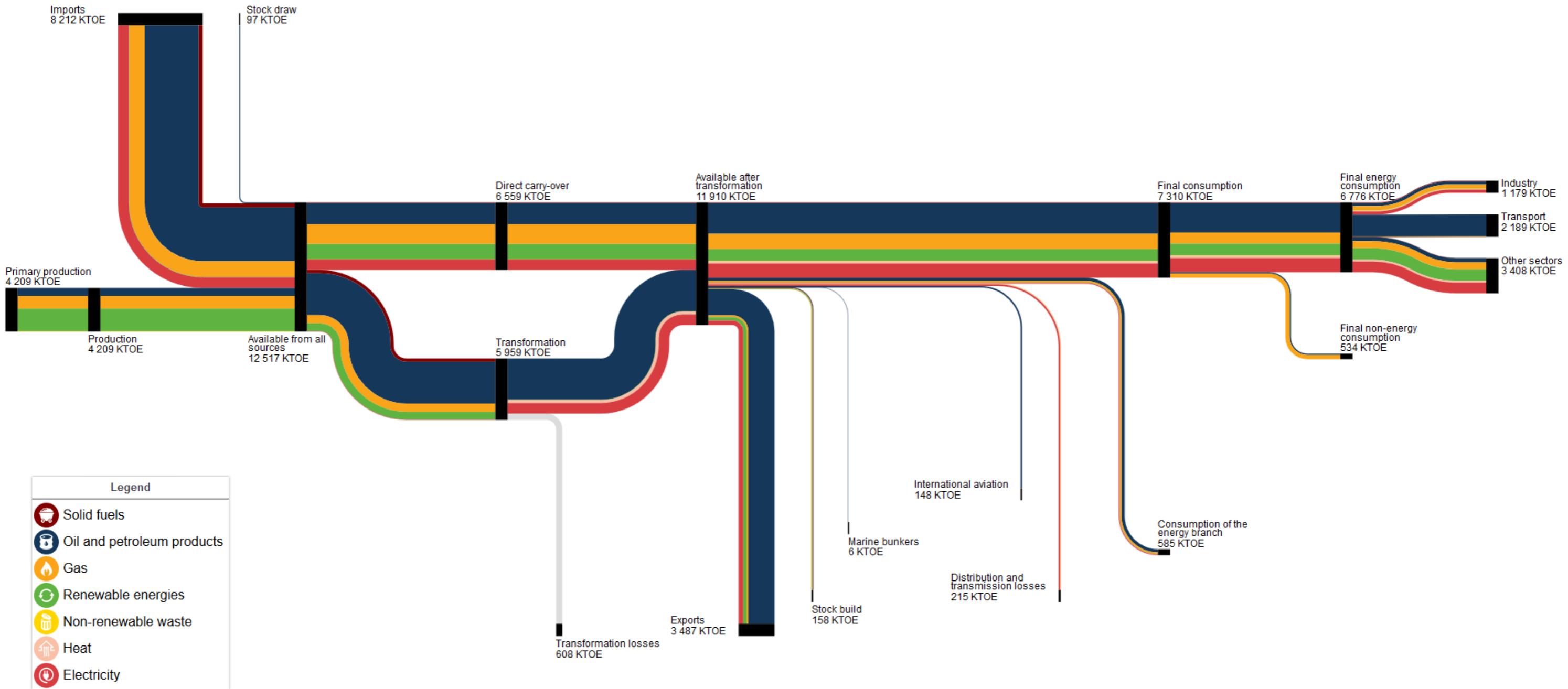
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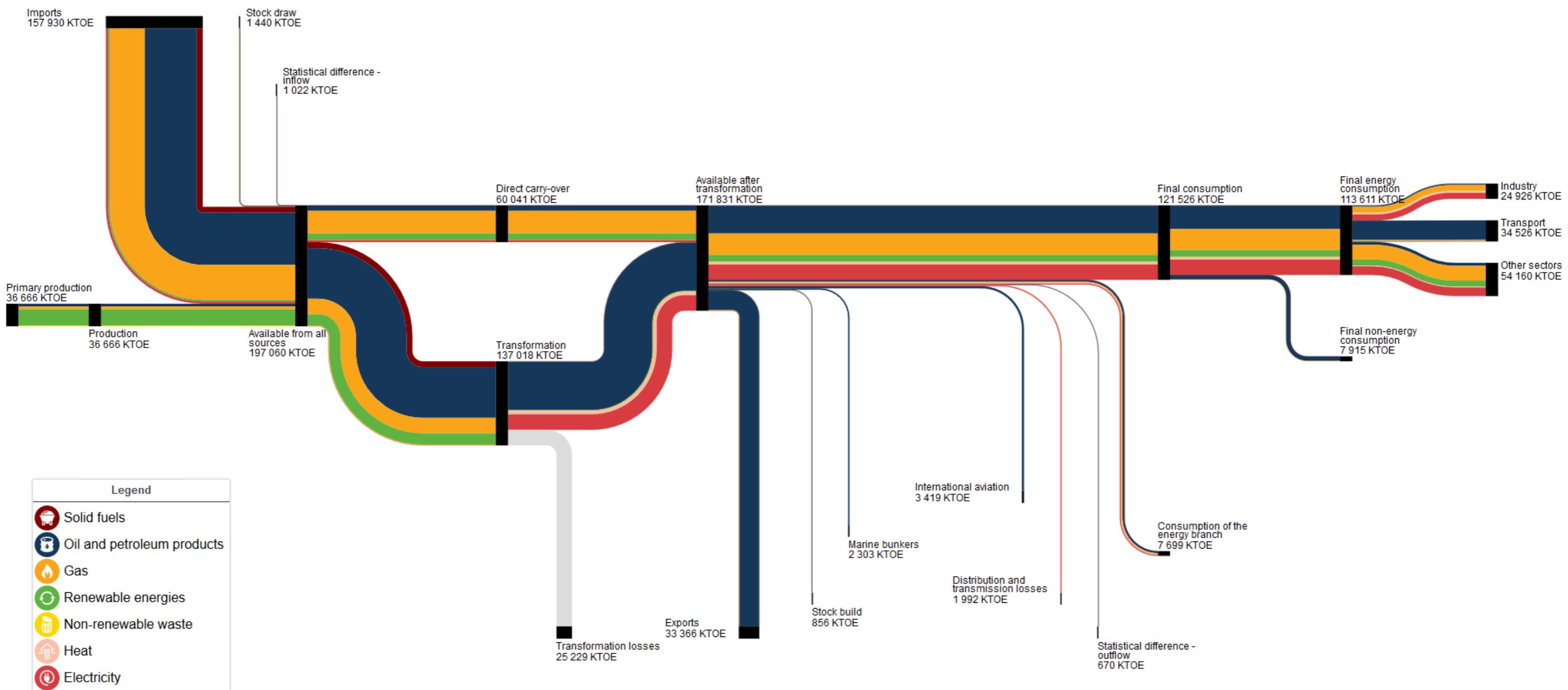
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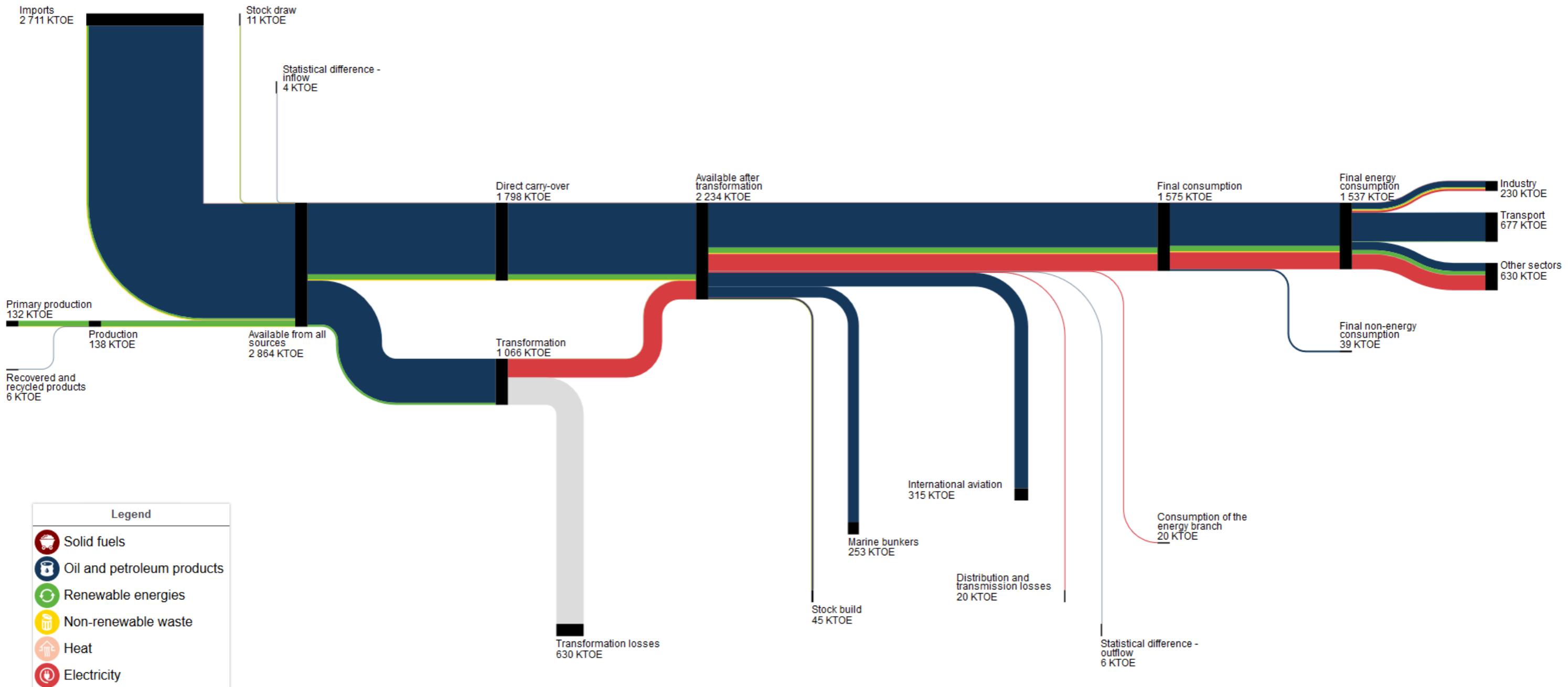
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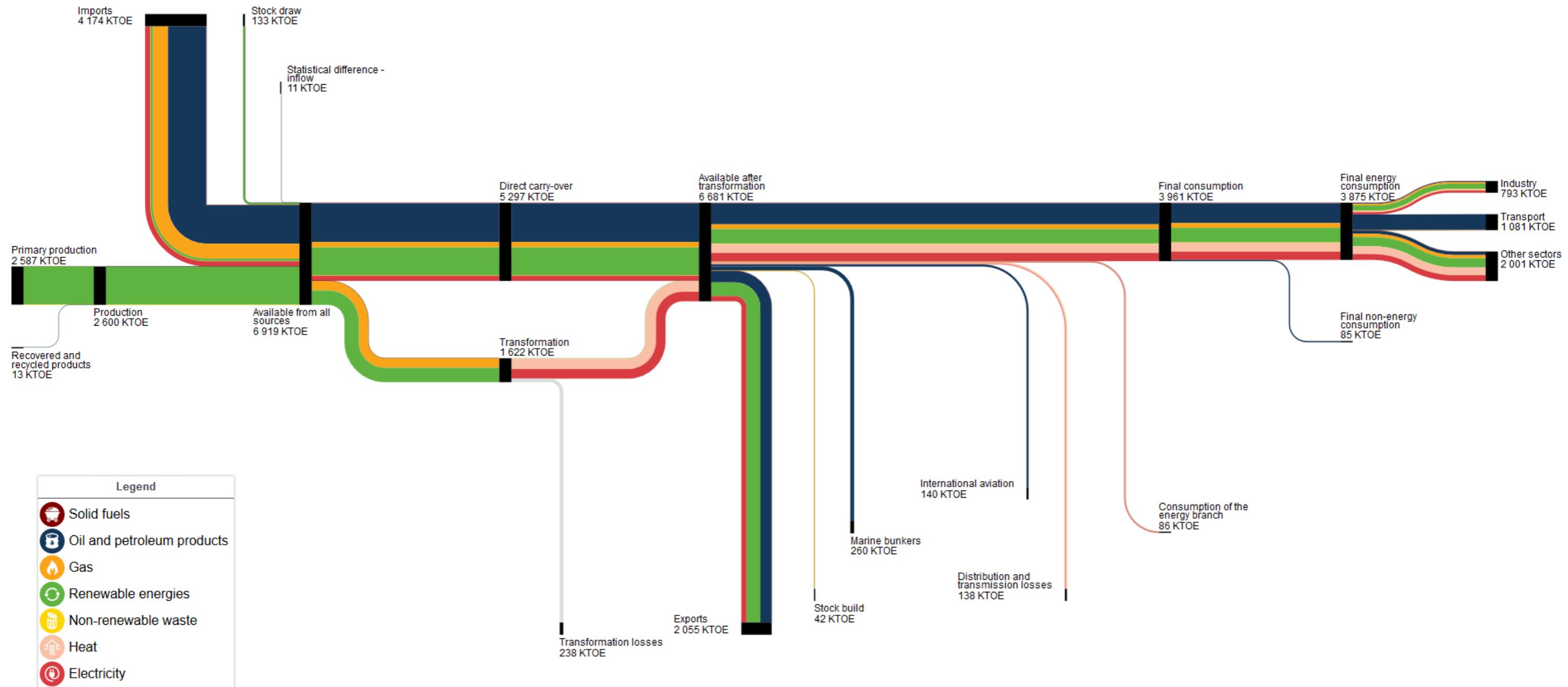
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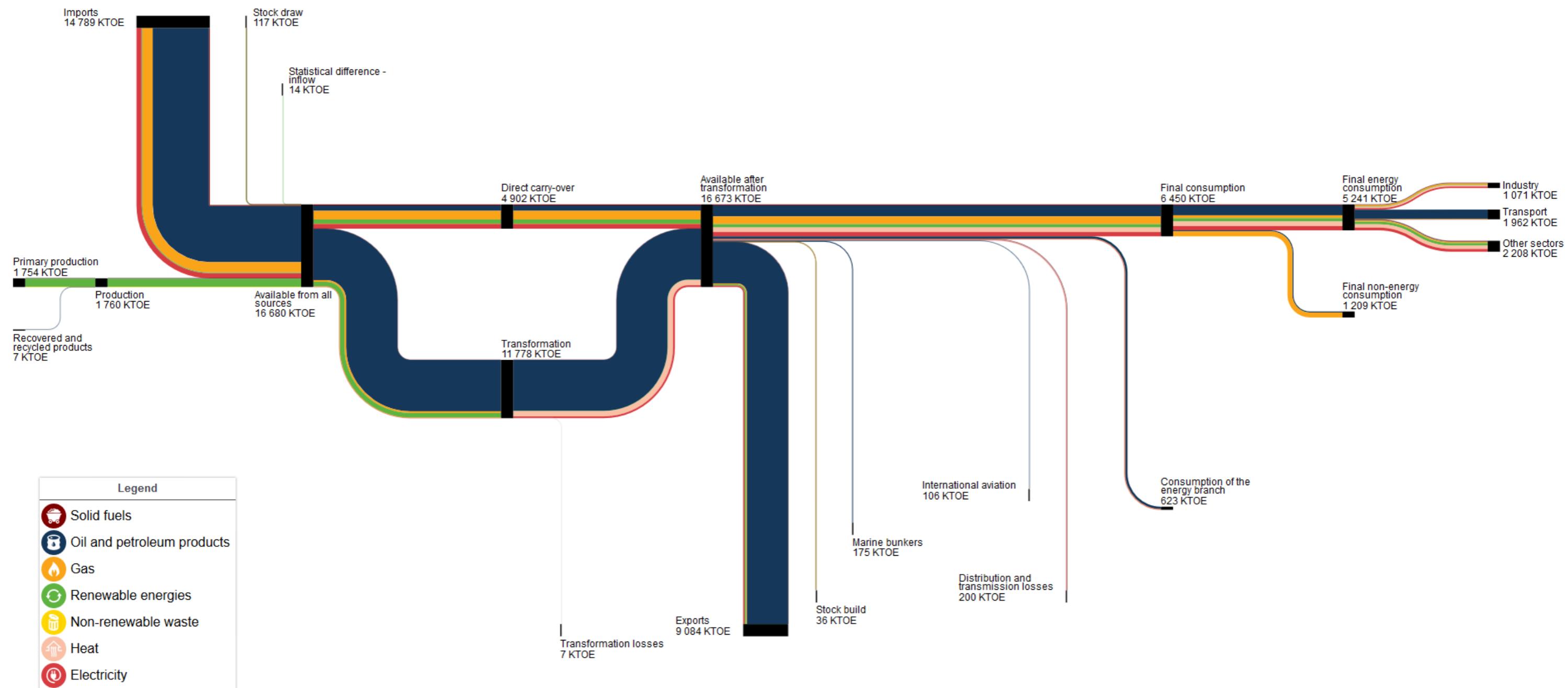
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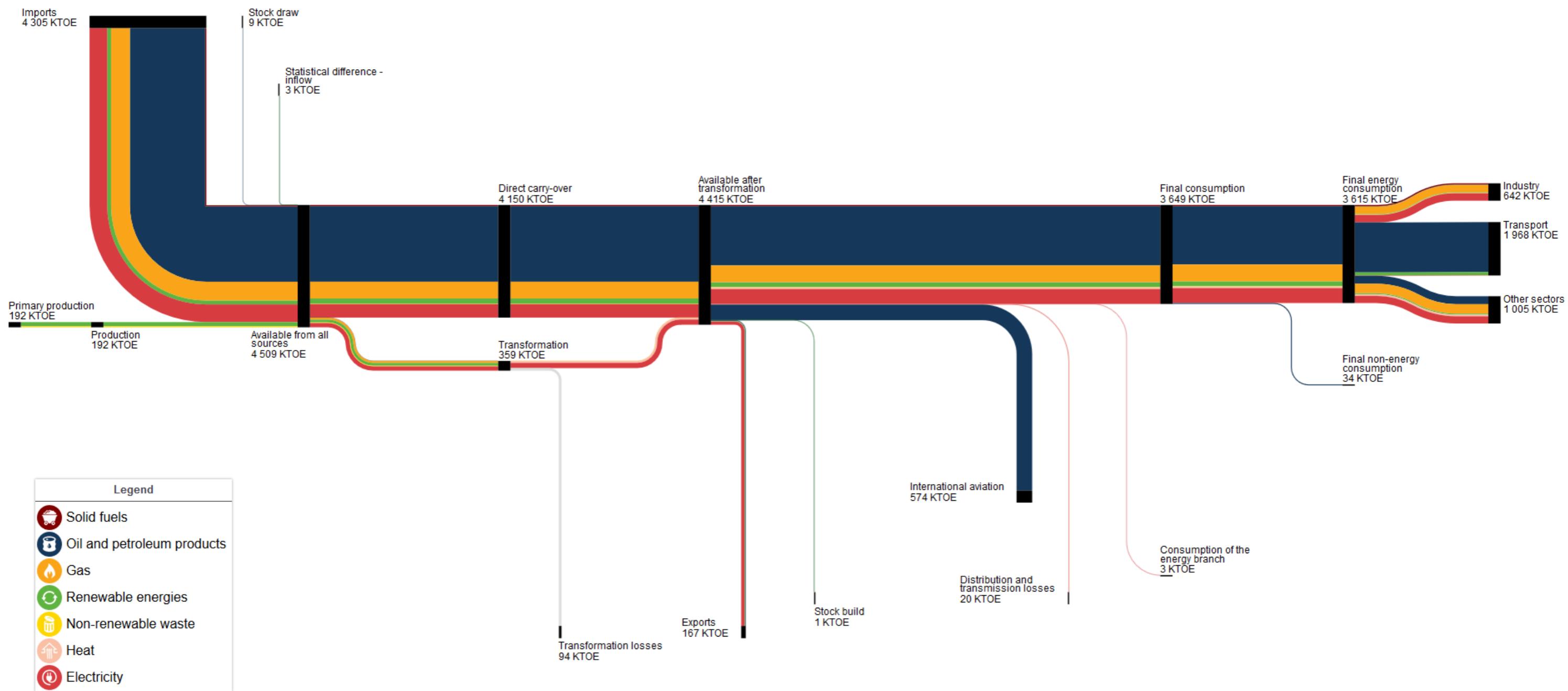
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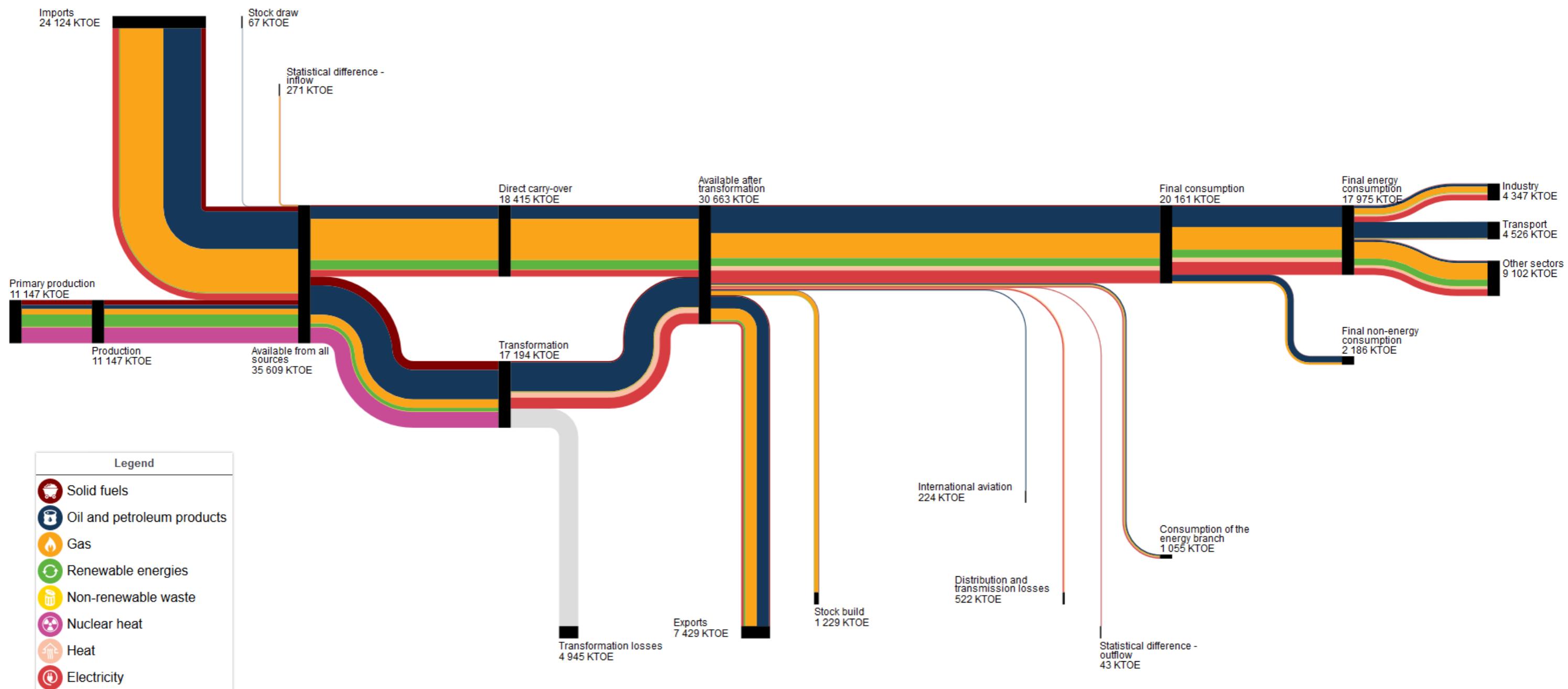
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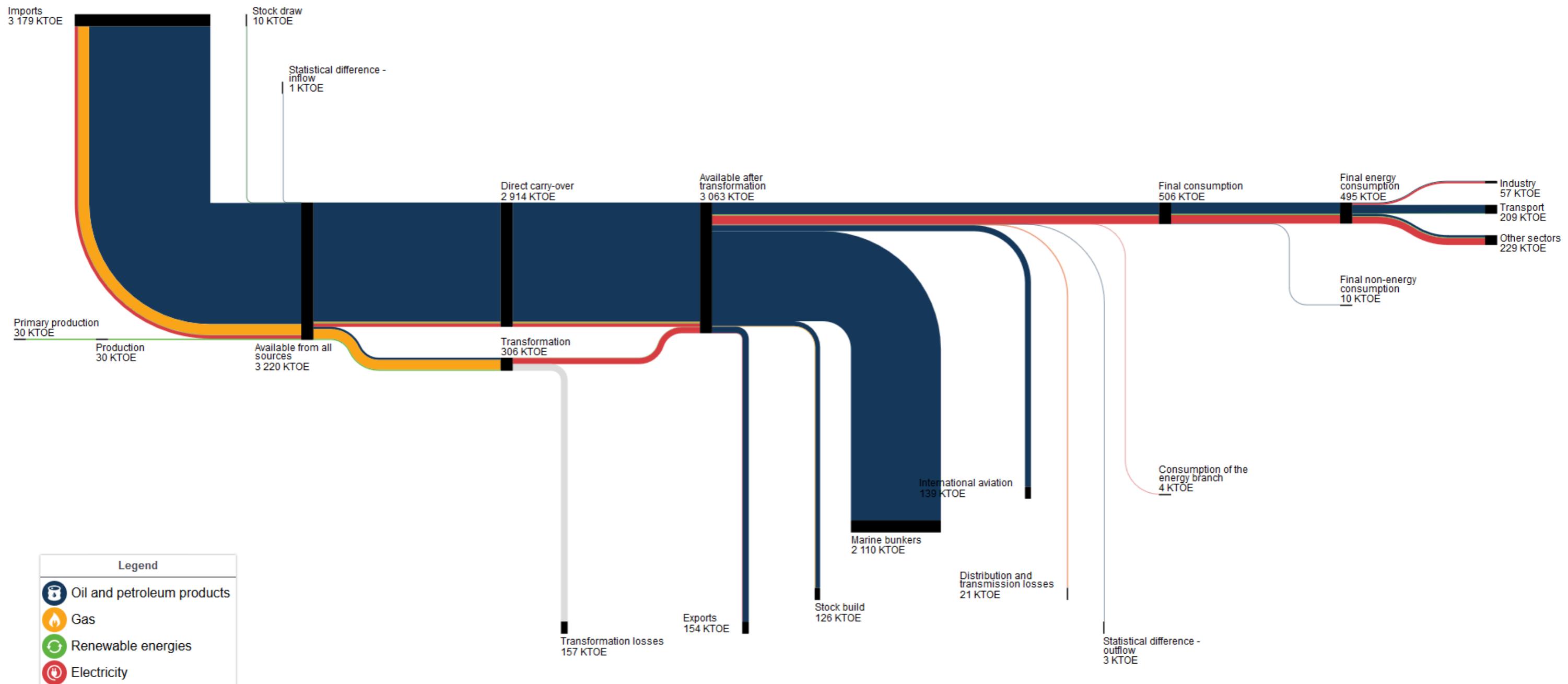
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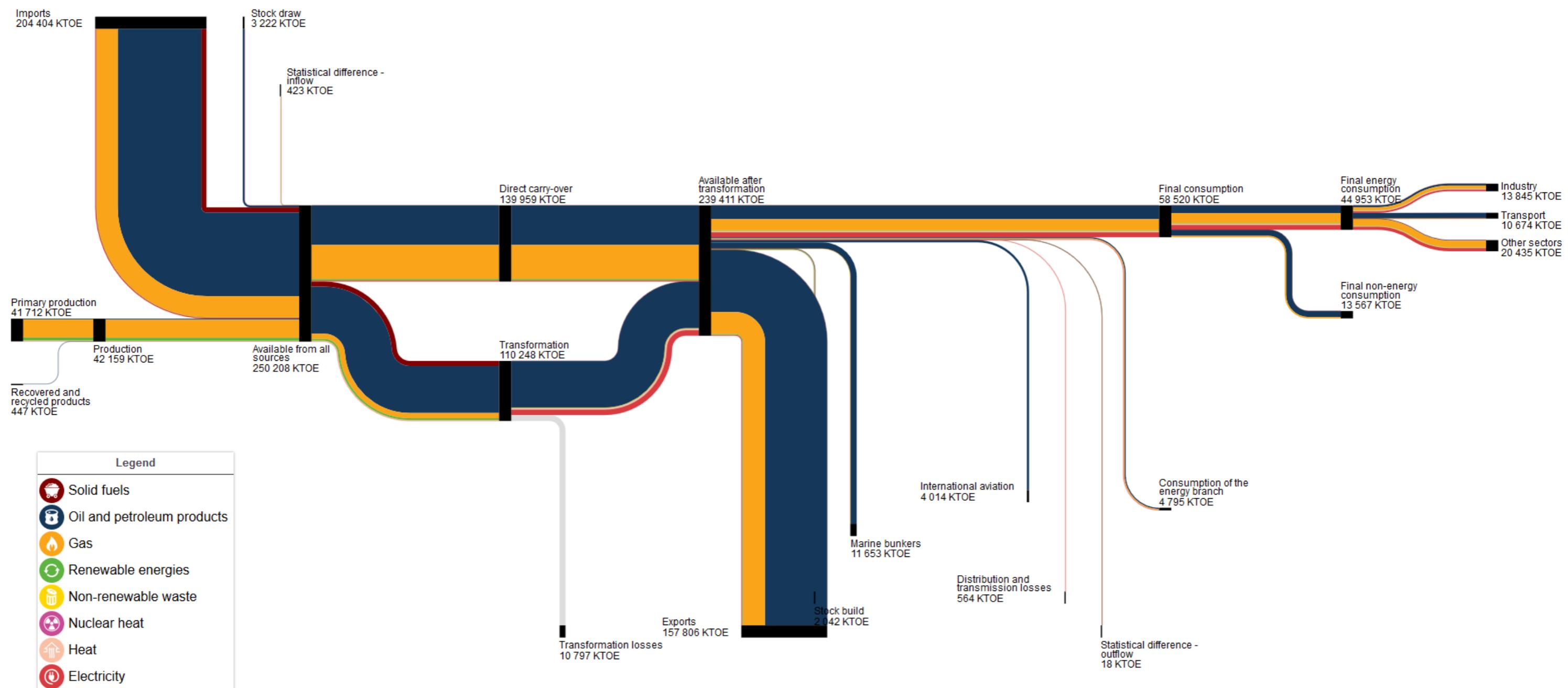
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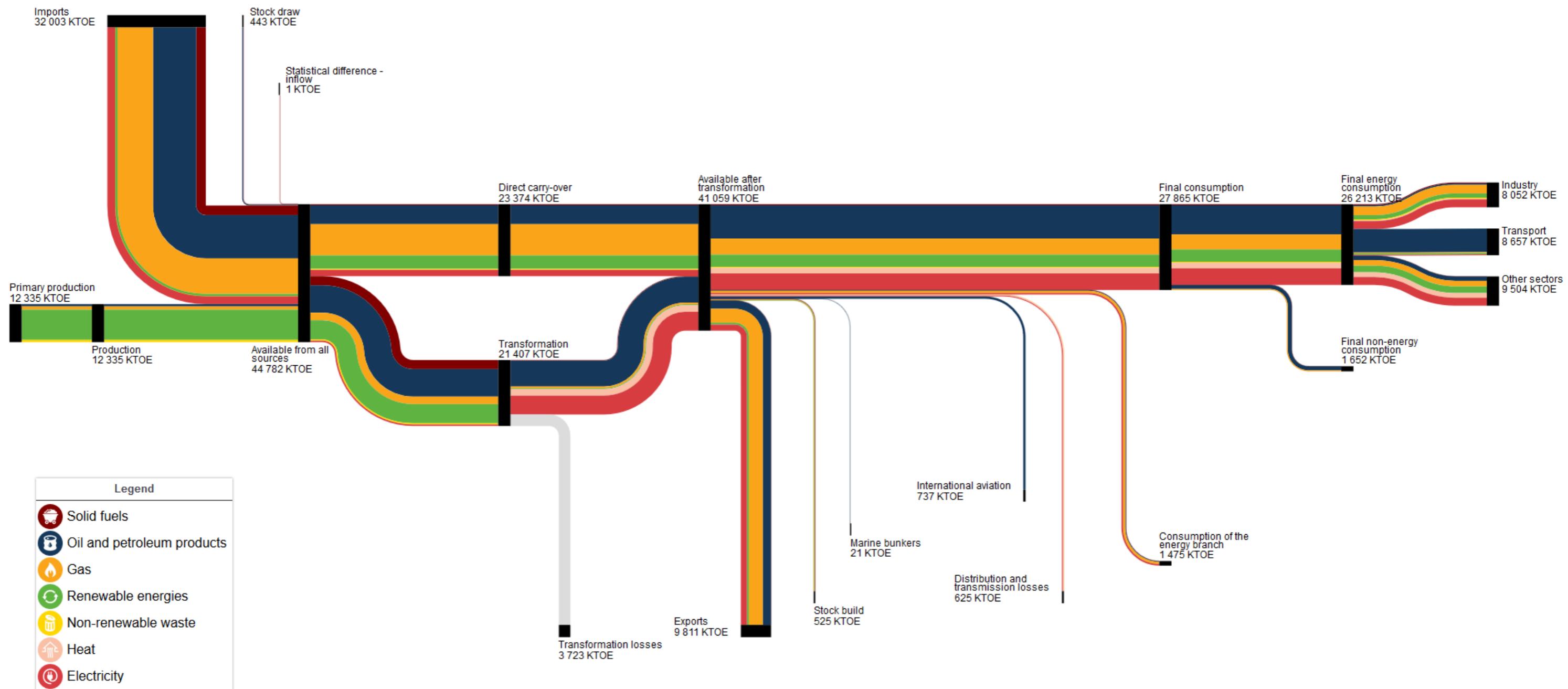
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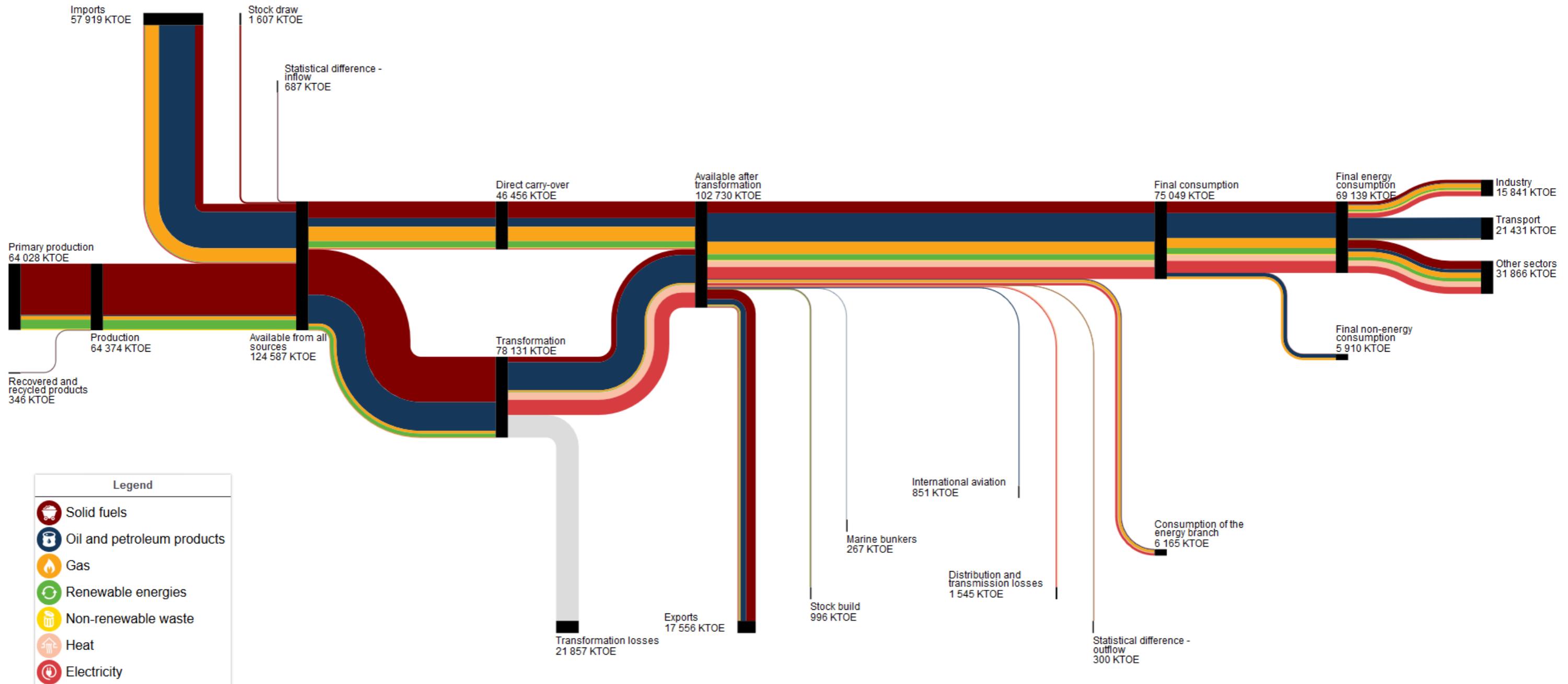
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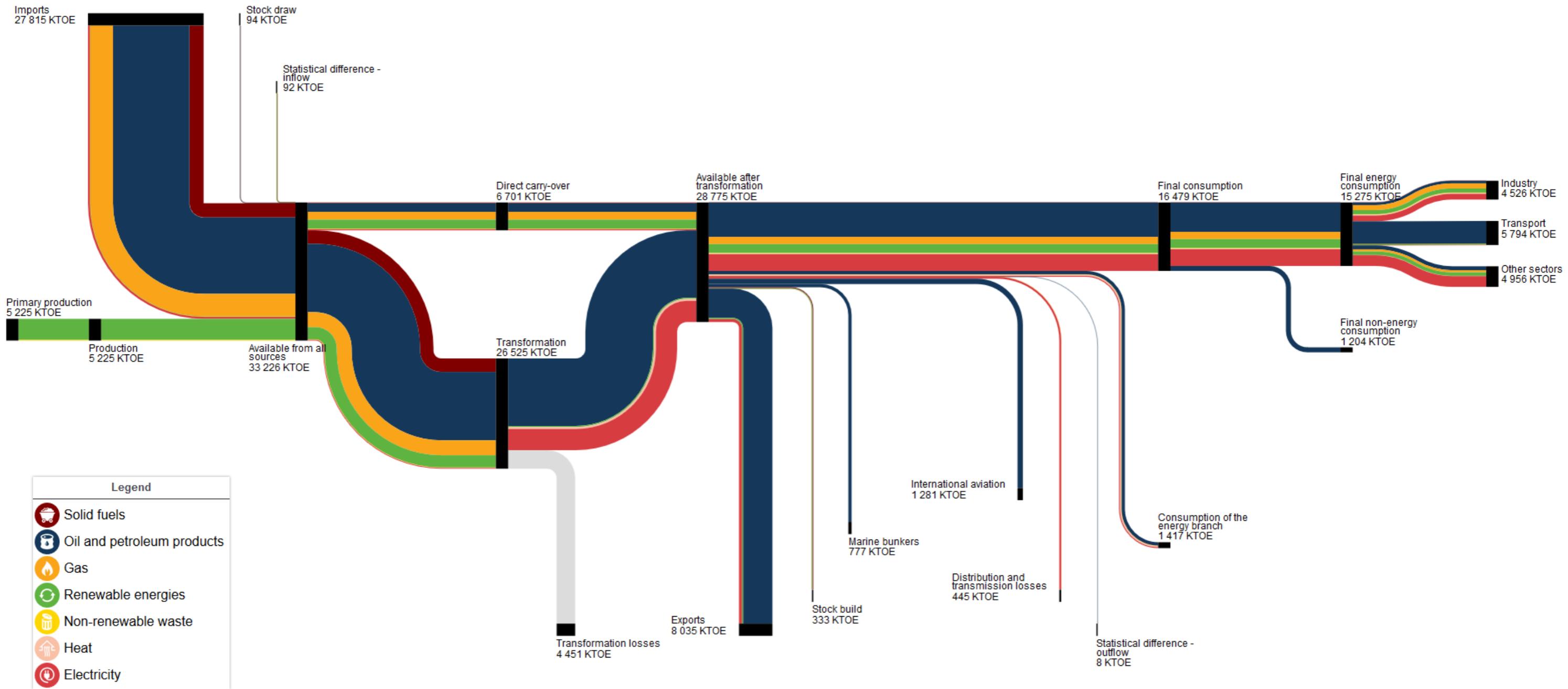
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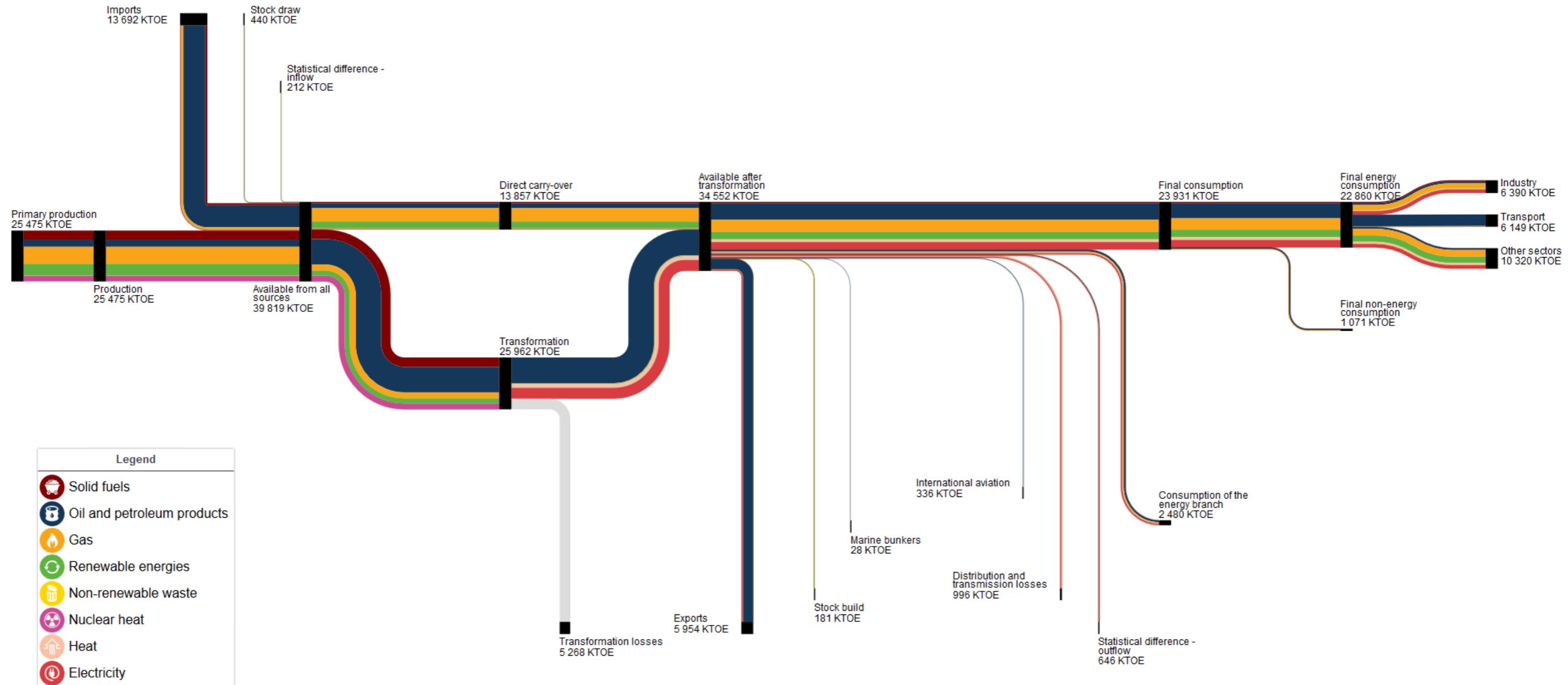
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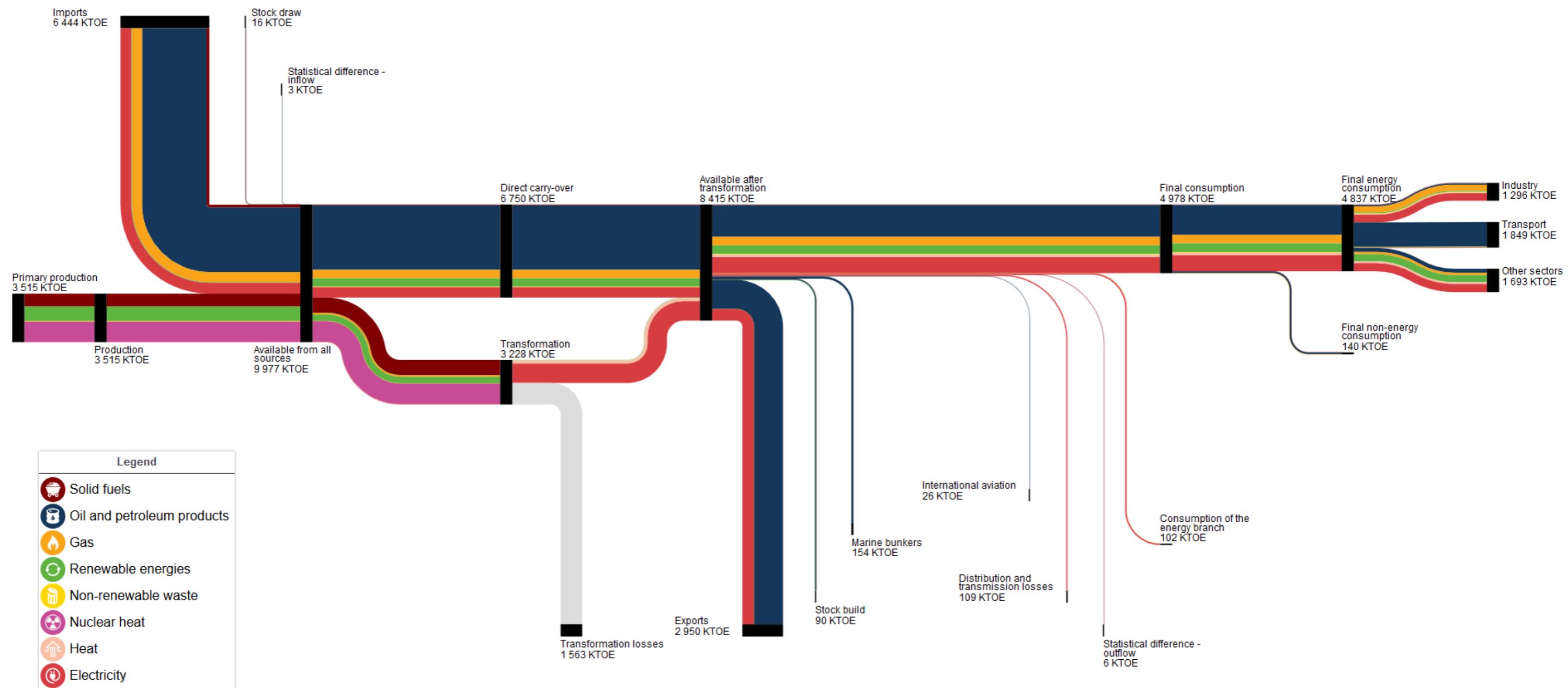
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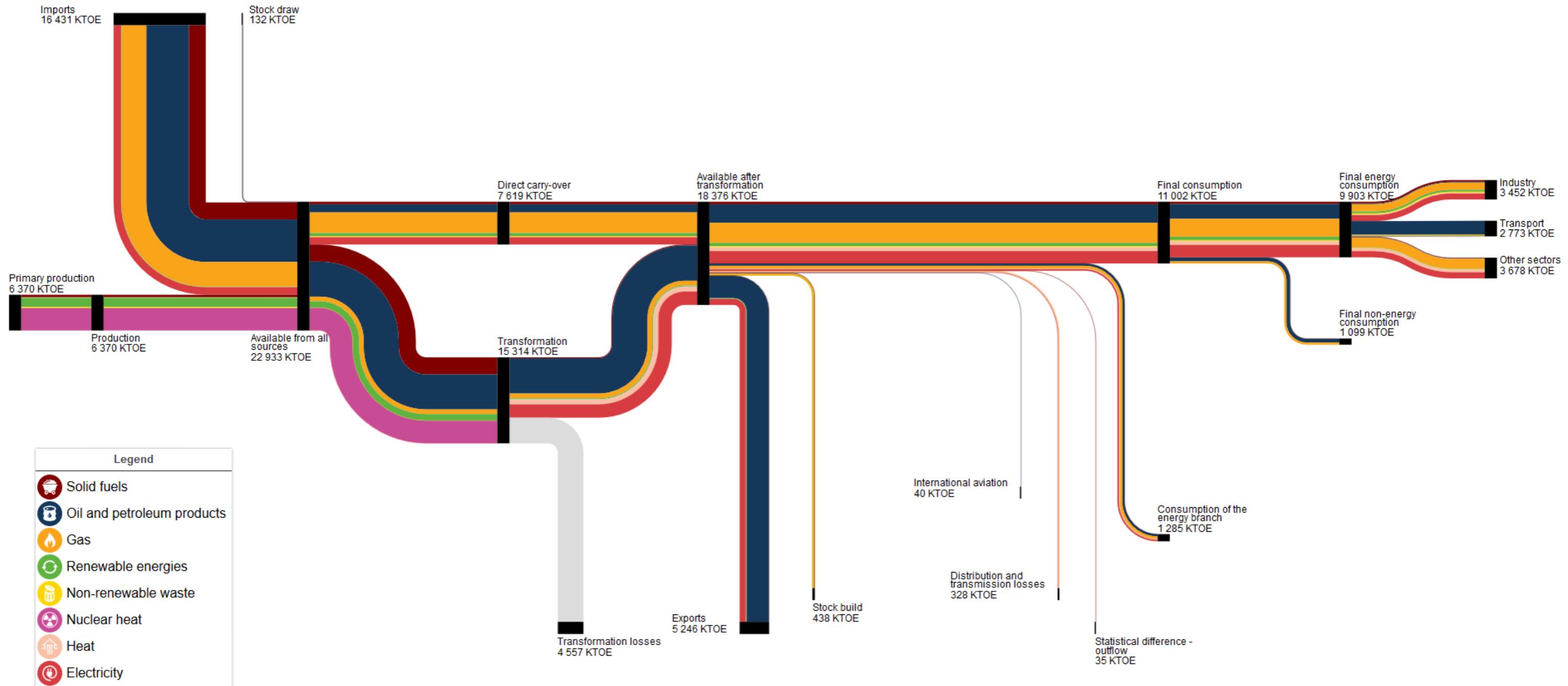
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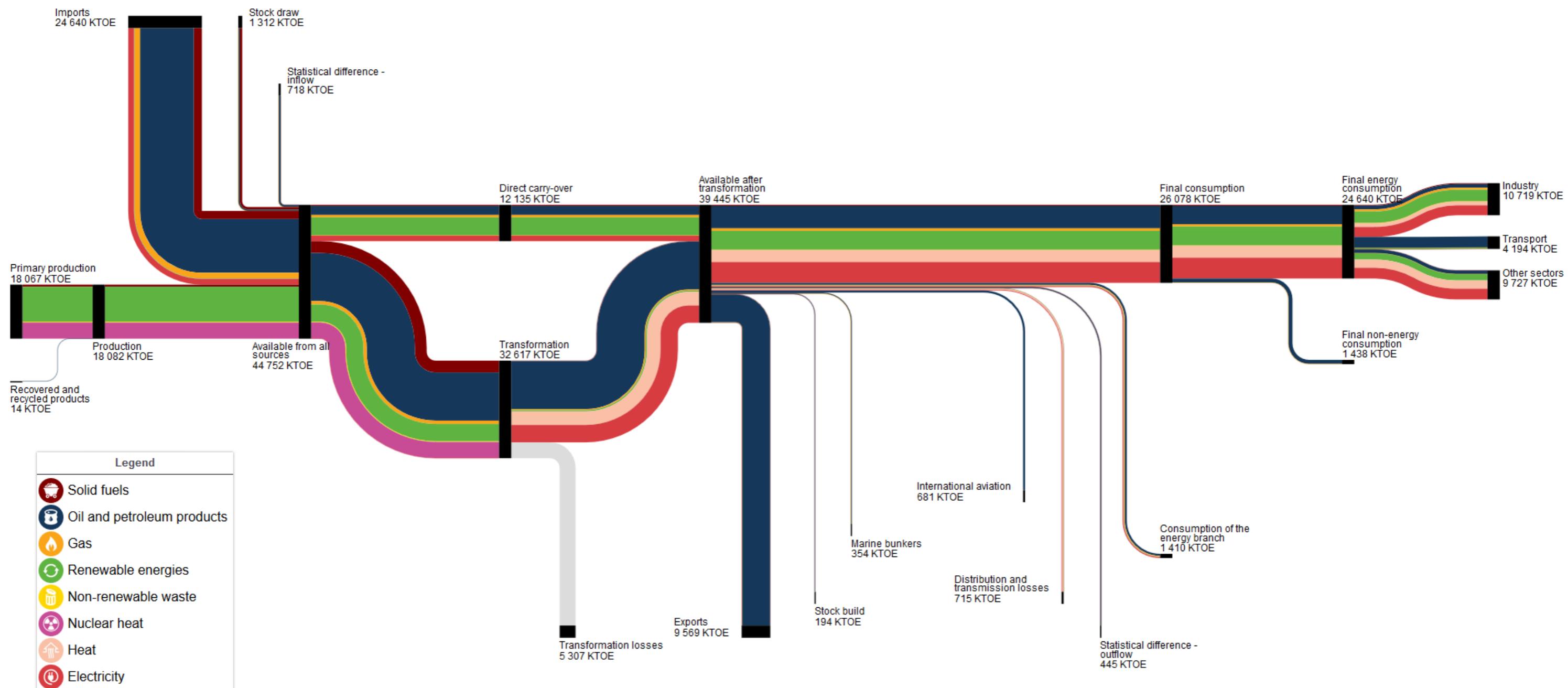
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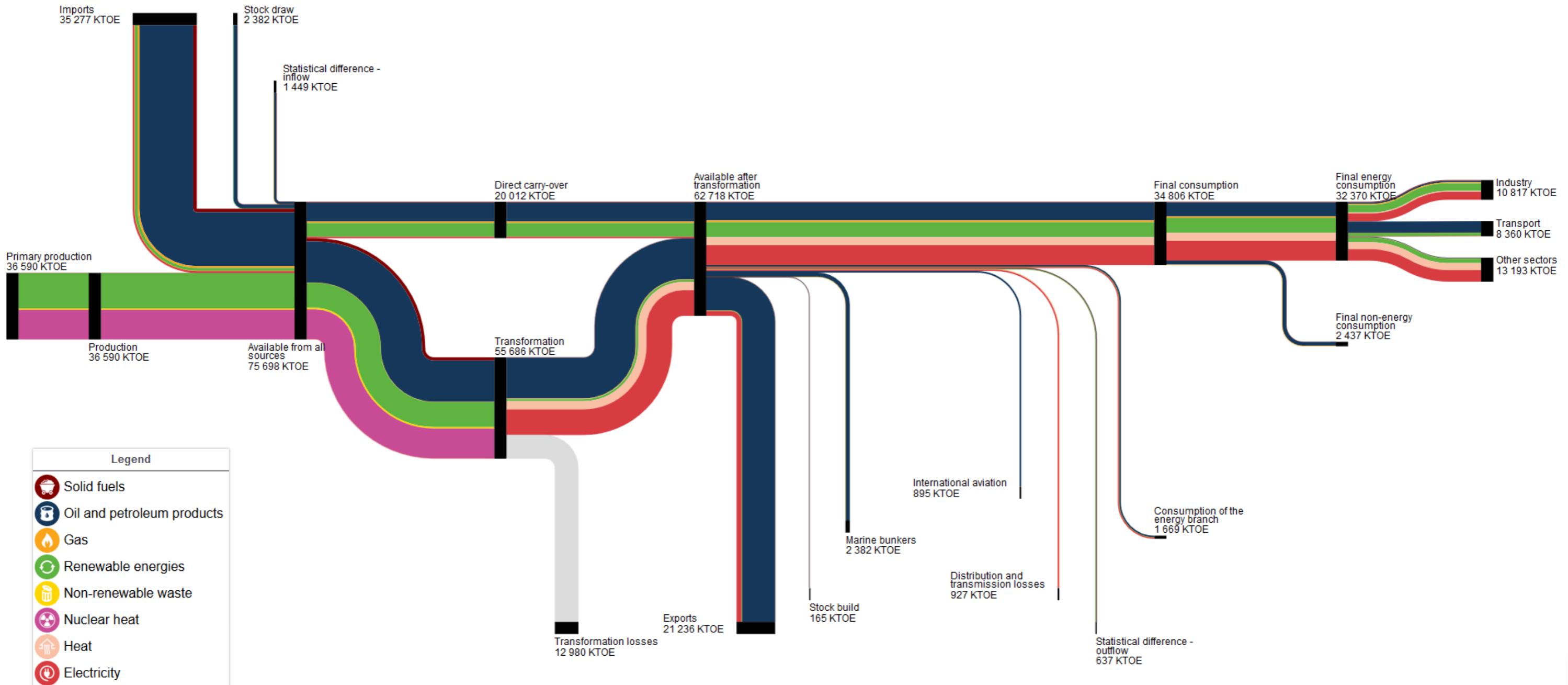
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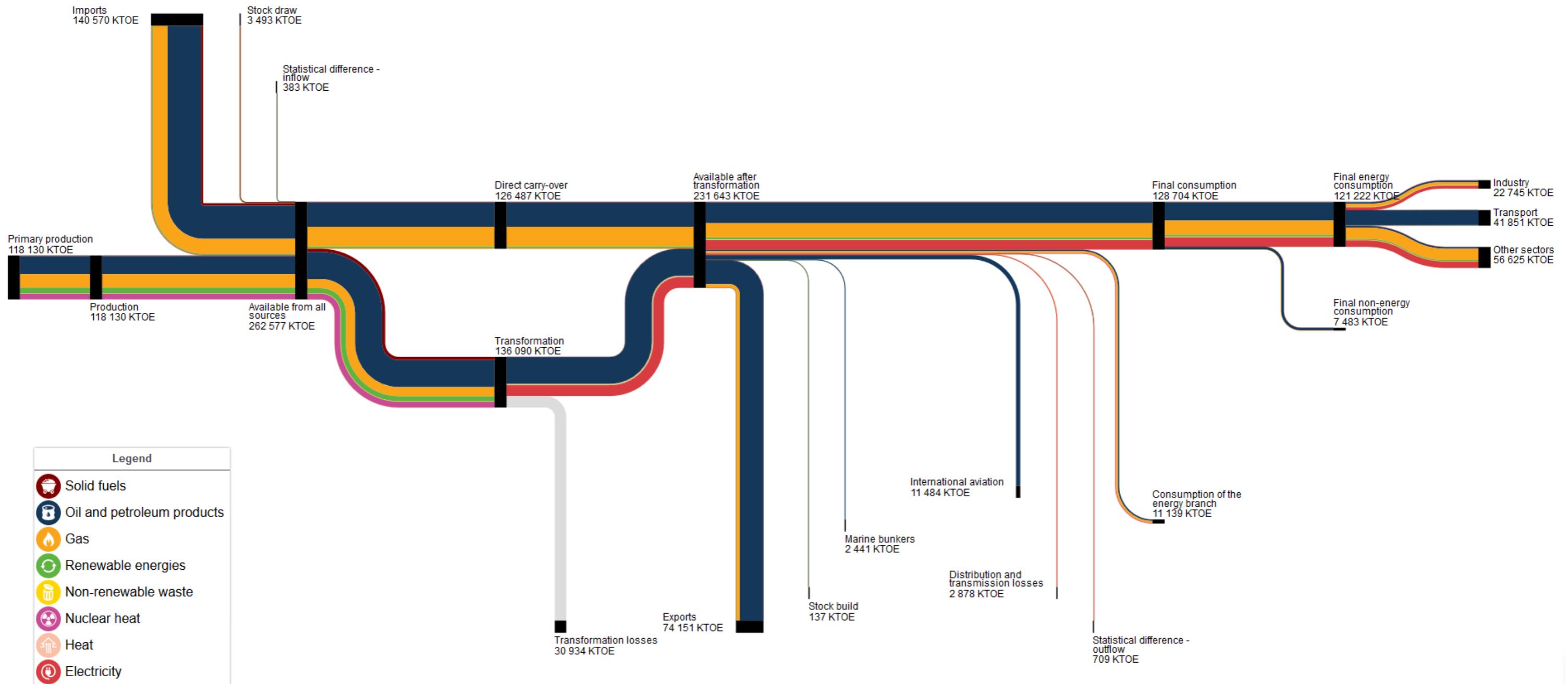
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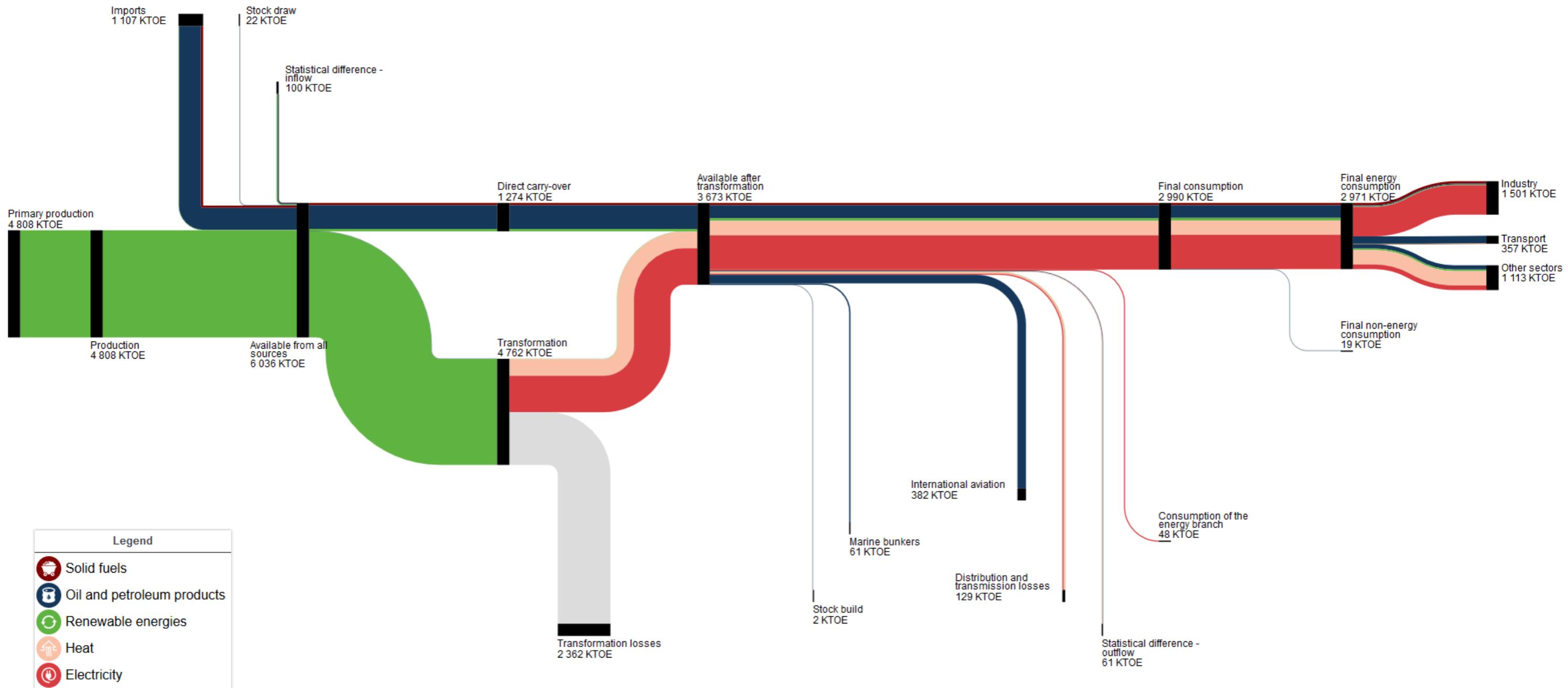
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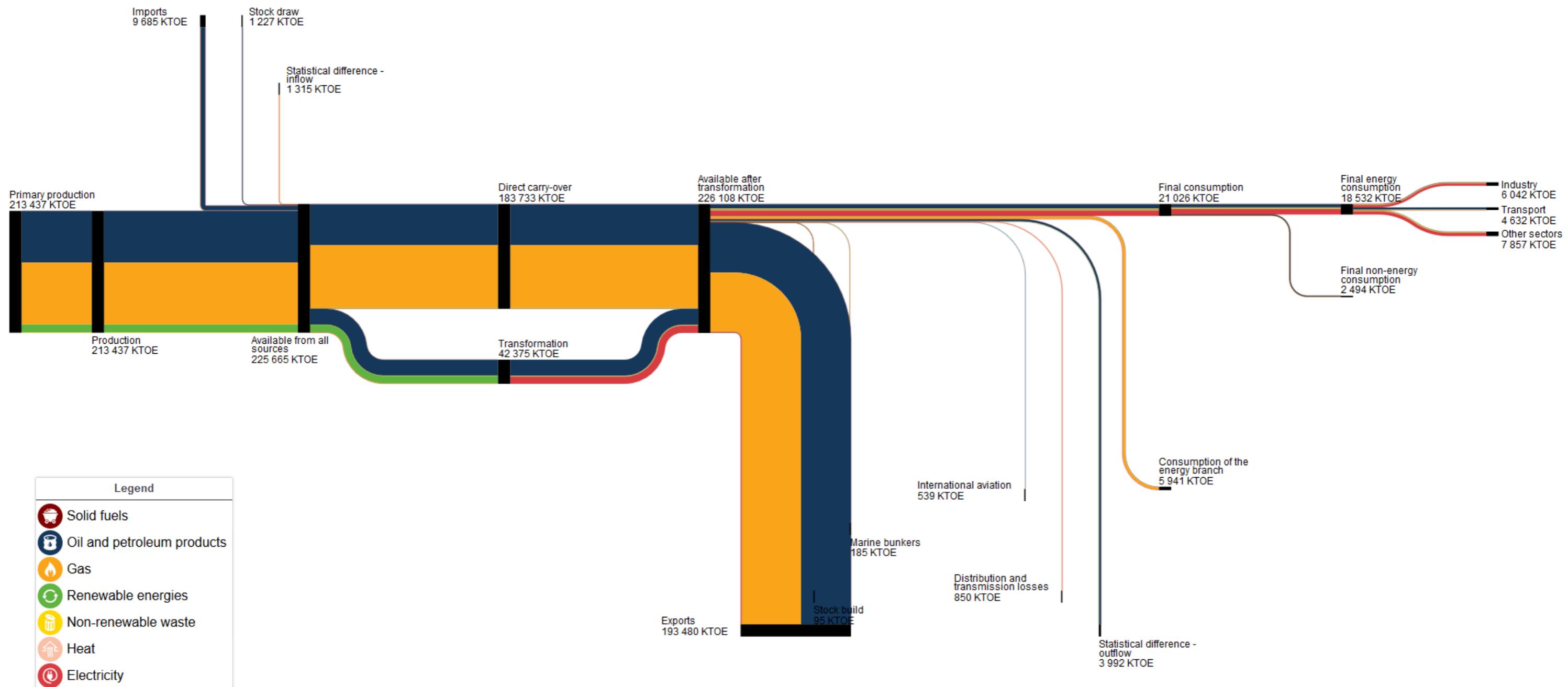
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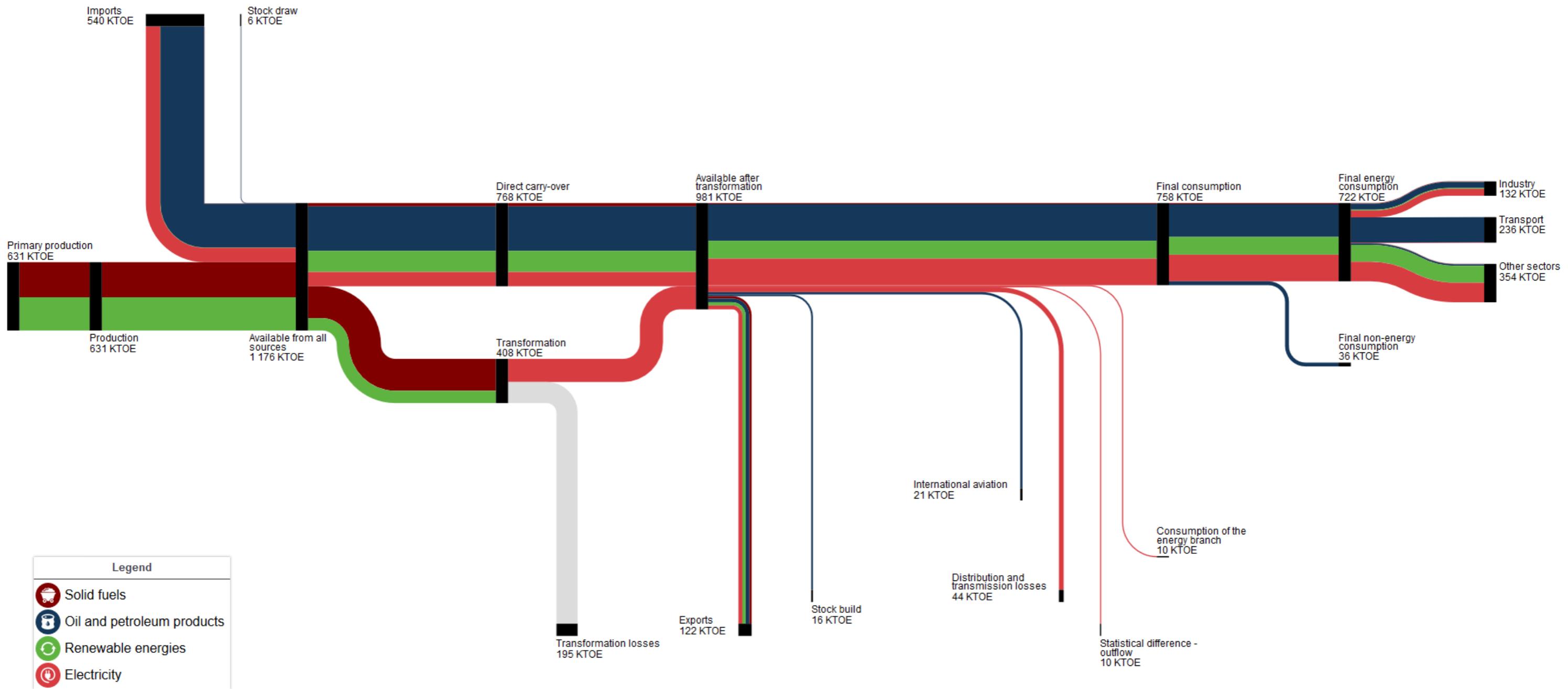
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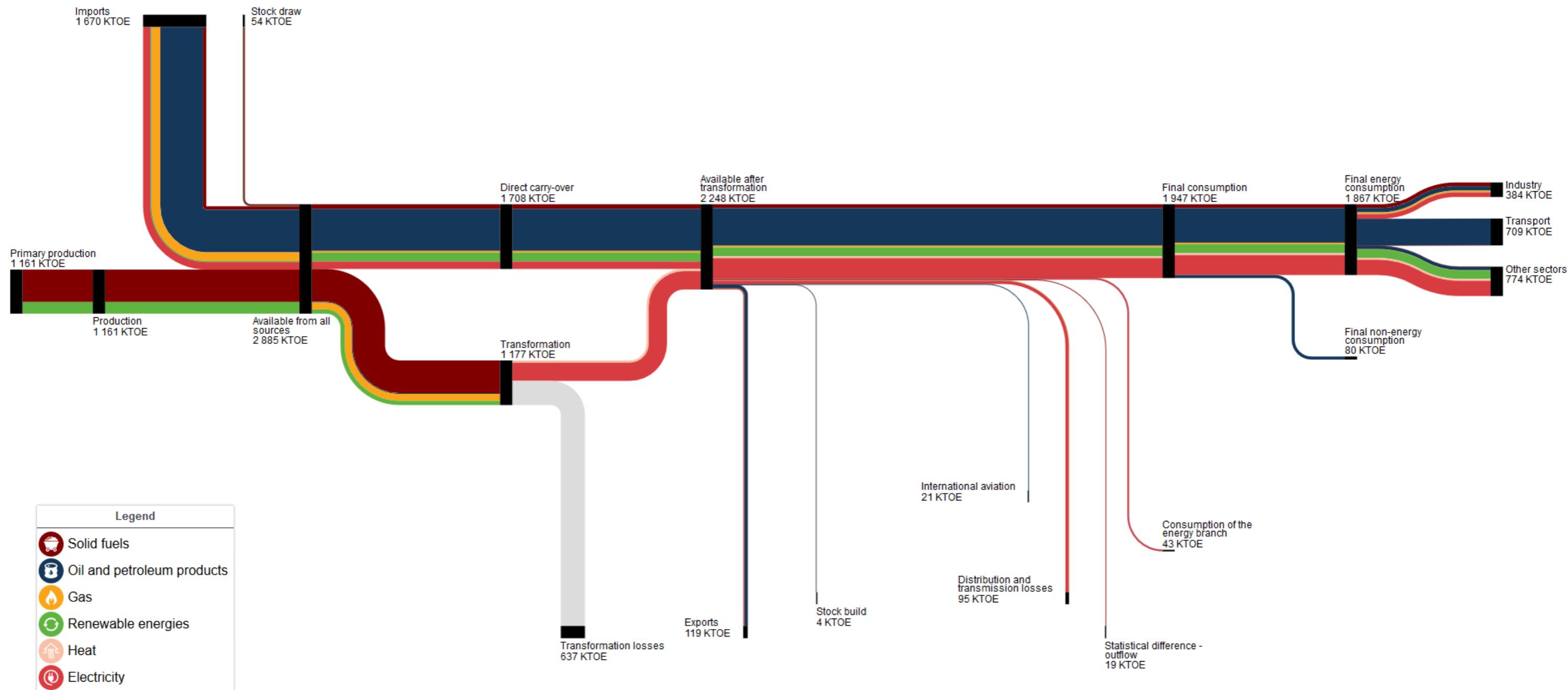
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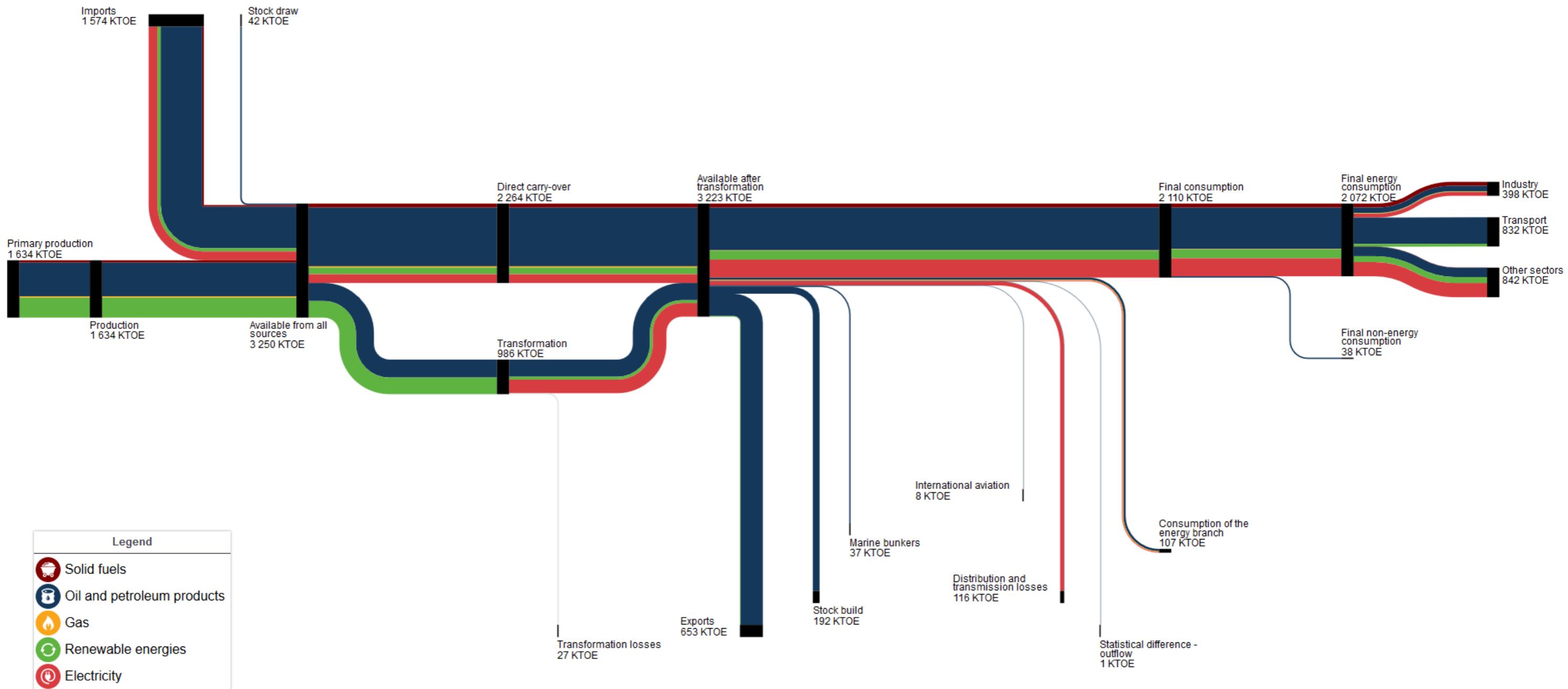
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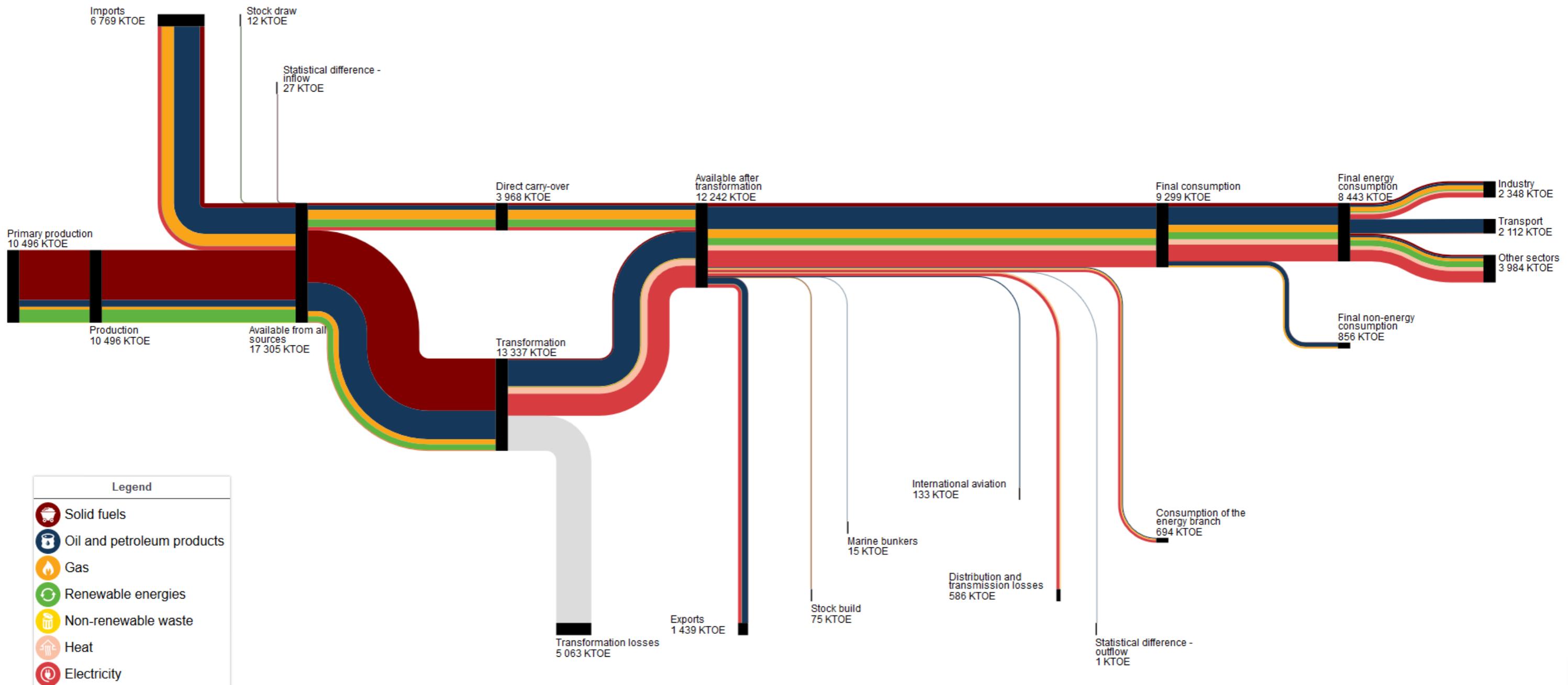
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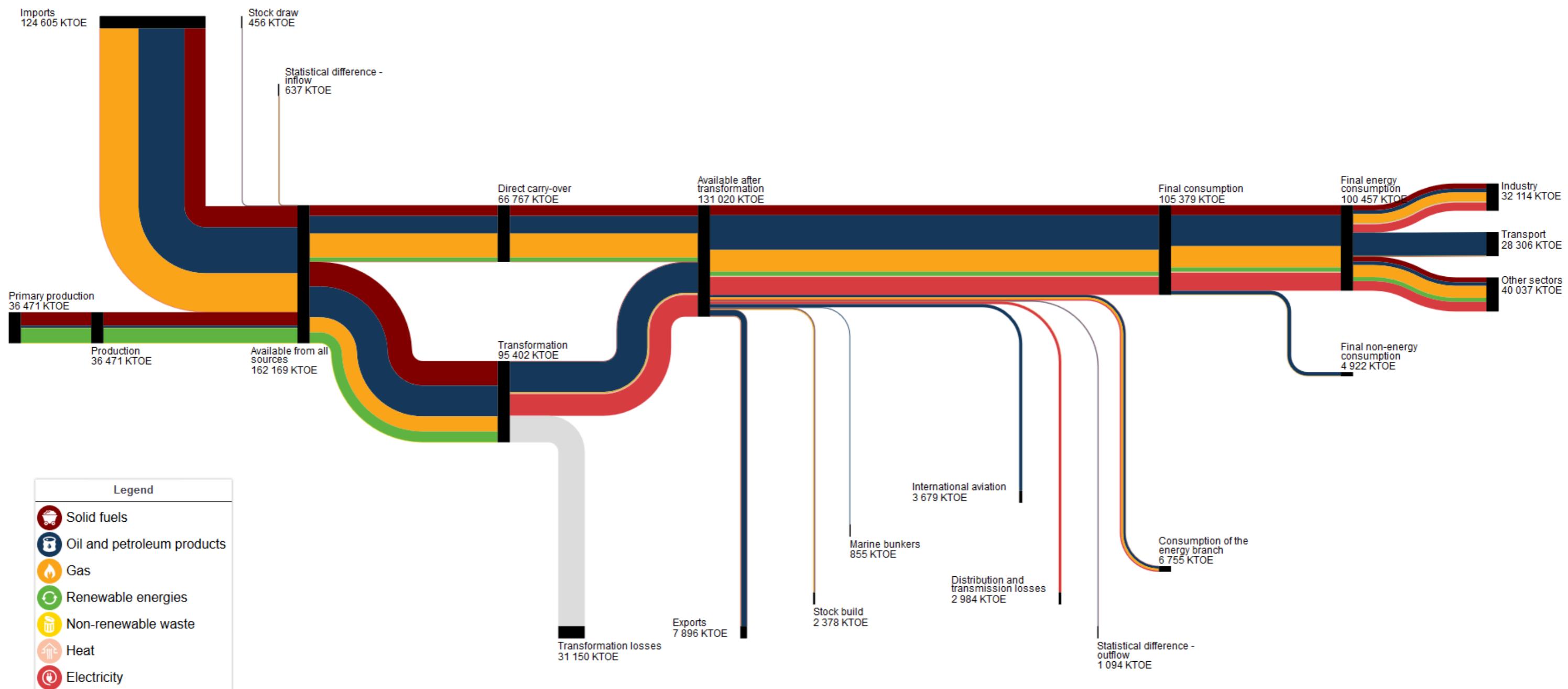
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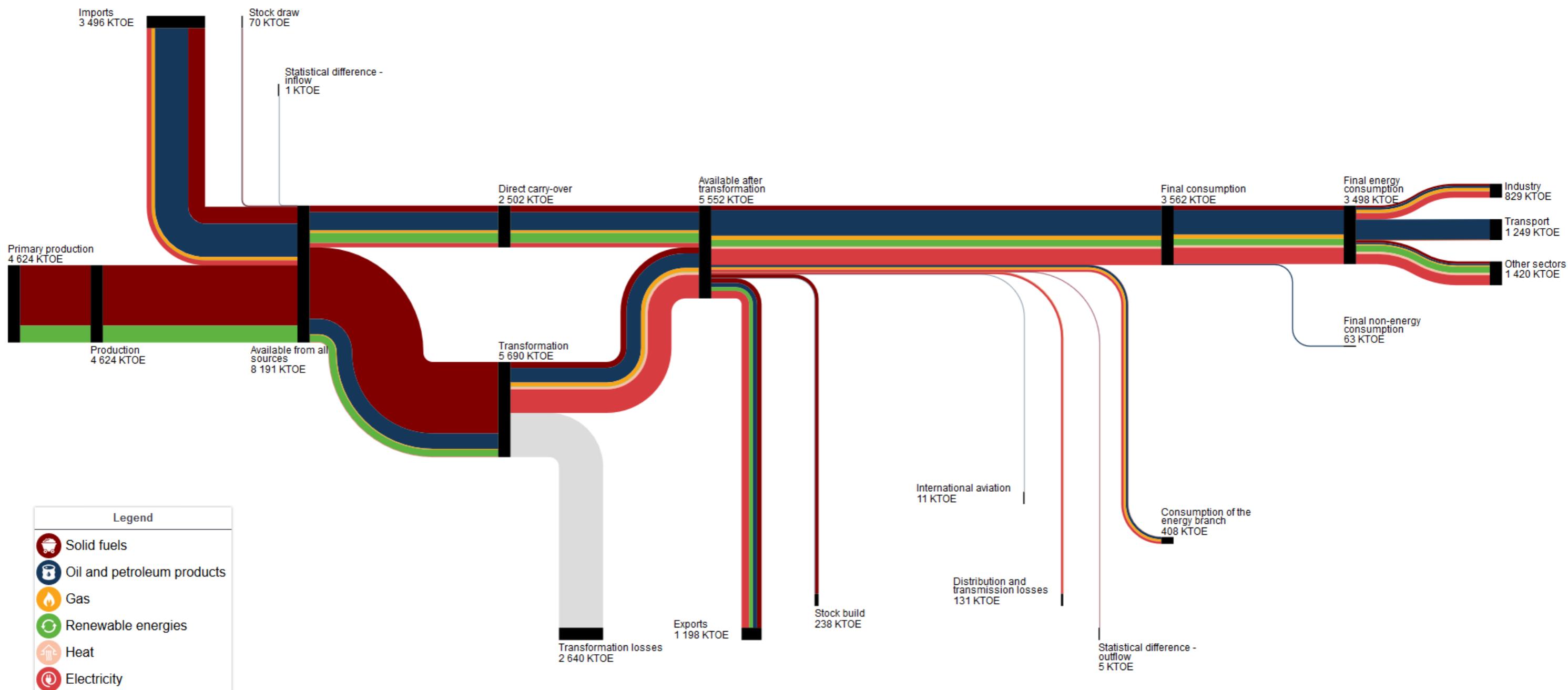
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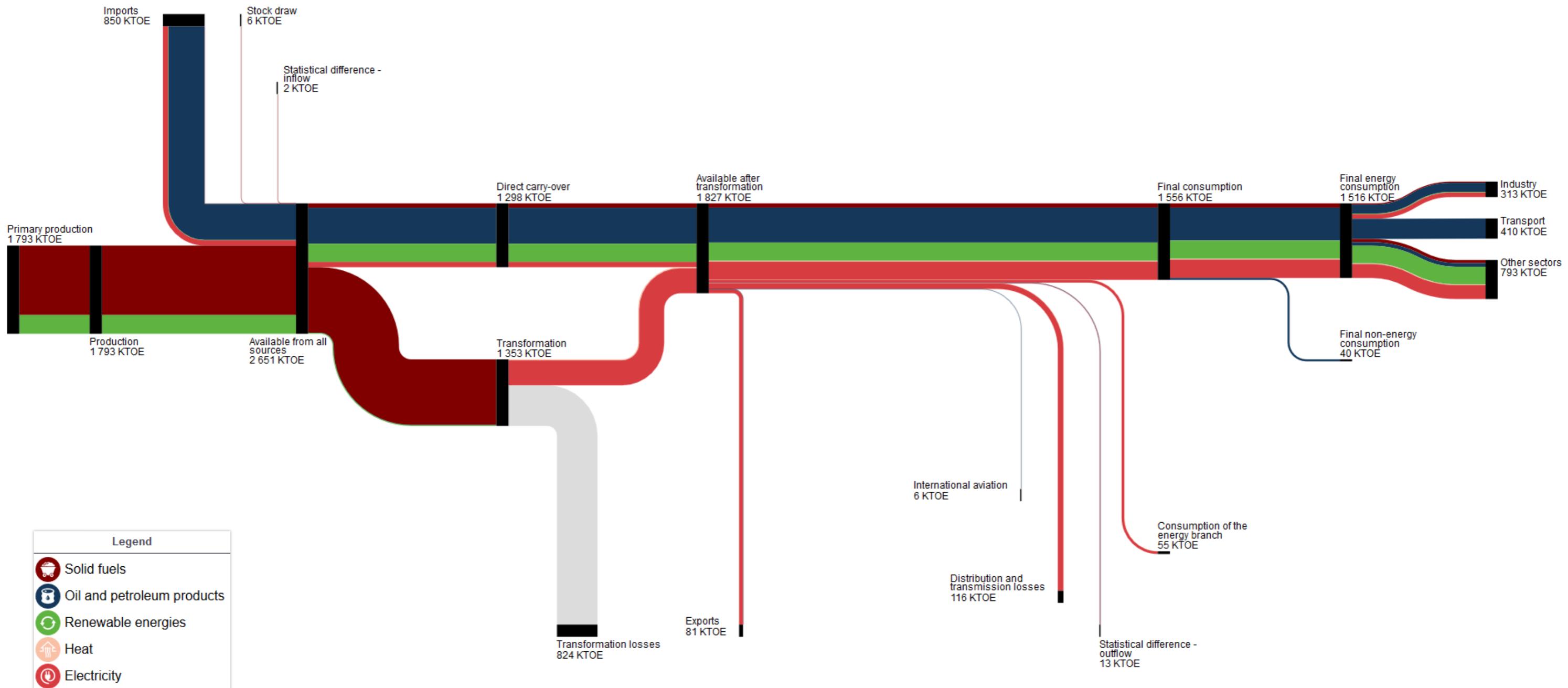
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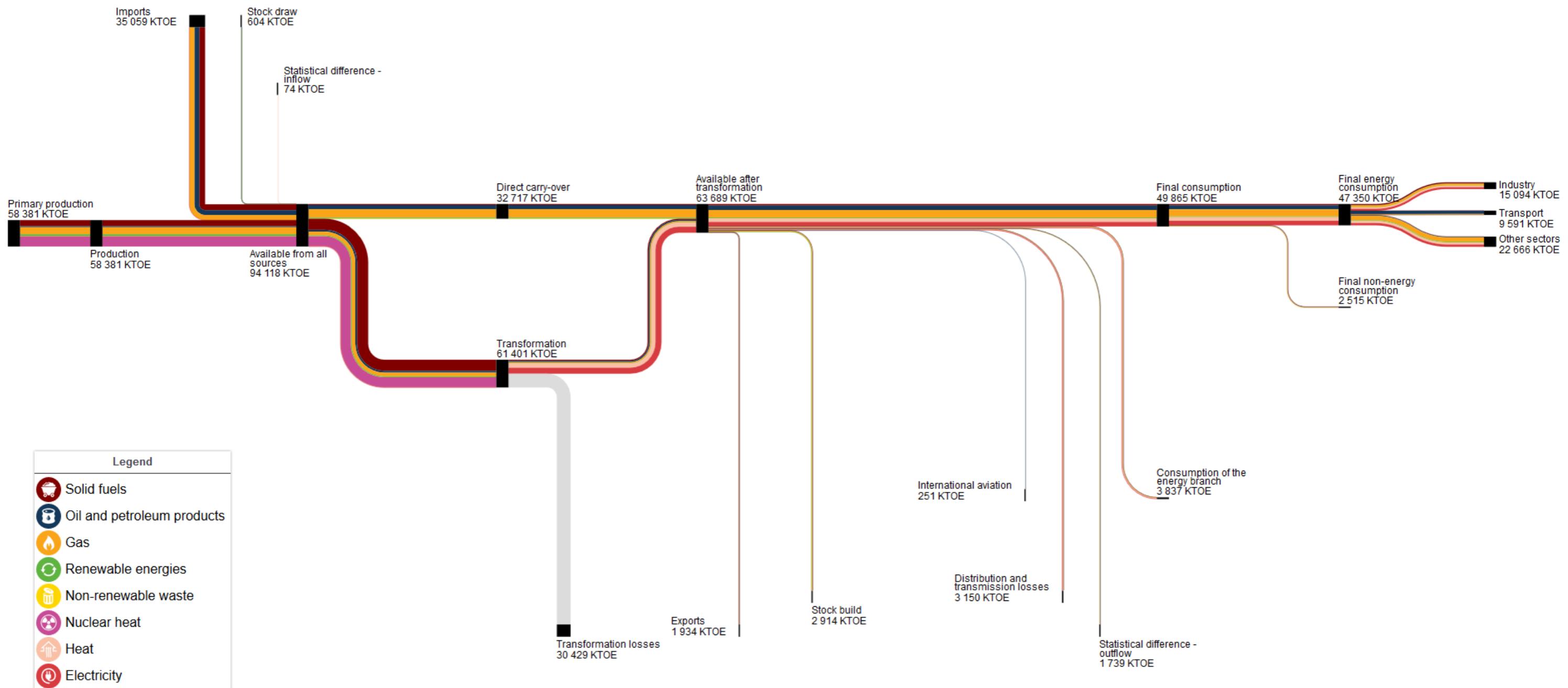
## Bosnia and Herzegovina 2017



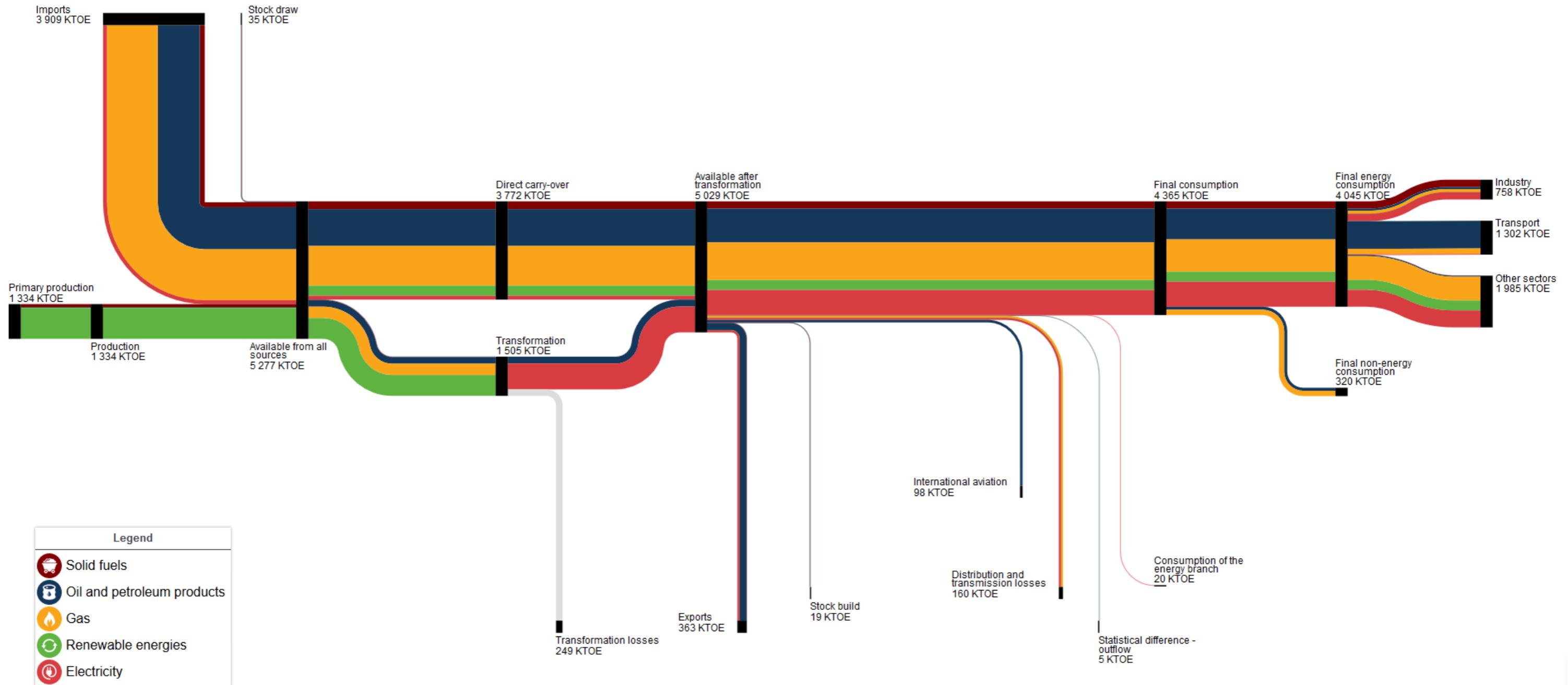
## Kosovo 2017



## Ukraine 2017



## Georgia 2017



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# Energy balance sheets

**2017 DATA**

The current publication presents the simplified energy balance sheets for 2017 and time series of key elements of energy balances for the years 2005, 2010, 2011, 2012, 2013, 2014, 2015, 2016 and 2017. Energy data are available for all Member States of the European Union as well as Iceland, Norway, Montenegro, North Macedonia, Albania, Serbia, Turkey, Bosnia and Herzegovina, Kosovo (UNSCR 1244/99), Georgia 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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