



~ Methodology ~

BALANCE OF OIL AND PETROLEUM PRODUCTS

LEGAL BASIS

The survey is carried out pursuant to the Law on Statistics of Republika Srpska ("Official Gazette of Republika Srpska", No. 85/03) and the Statistical Programme of Republika Srpska for the period 2018-2021.

METHODOLOGICAL BASIS

AIM OF THE SURVEY

Production of the annual energy balance of oil and petroleum products.

OBSERVATION UNITS/REPORTING UNITS

The collection of data from reporting units covers all business entities engaged in the production and trade of oil and petroleum products. Data on final consumption of petroleum products in industry are collected from enterprises which are, in accordance with the Classification of Economic Activities (KD BiH based on the NACE Rev.2), classified into the sections B – Mining and quarrying and C – Manufacturing (except divisions 05, 06 and 19). Reports are also submitted by parts of non-industrial enterprises which perform industrial activity.

COVERAGE

This survey covers business entities on the territory of Republika Srpska which are engaged in the production and trade of oil and petroleum products.

METHOD, PERIOD AND SOURCES OF DATA COLLECTION

Data are collected annually, using the reporting method. The sources of data are:

- *Annual reports:*
 - Annual reports on production and consumption of oil and petroleum products – Business entities engaged in production of petroleum products (EN-N1-G and EN-N2-G).

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- Annual report on trade with energy commodities – business entities engaged in wholesale trade of liquid fuels (EN-TE-G).
 - Annual report on consumption of energy and fuels in industry – business entities engaged in industry (EN-UGE-G).
 - *Regular statistical activities* in the fields of industry, construction, external trade, transport, agriculture, and forestry statistics.

PROTECTION OF CONFIDENTIAL DATA

Only aggregate data for the level of Republika Srpska are published. Confidential data are protected pursuant to Articles 25 and 27 of the Law on Statistics of Republika Srpska (“Official Gazette of Republika Srpska”, No. 85/03) and in accordance with the Rules of protection of confidential data.

DEFINITIONS

Crude oil is a mineral oil of natural origin comprising a mixture of hydrocarbons and associated impurities, such as sulphur.

Refinery feedstock is a processed oil destined for further processing, excluding blending. With further processing, it will be transformed into one or more components and/or finished products.

Additives are non-hydrocarbon compounds added to or blended with a product to modify fuel properties.

Refinery gas includes a mixture of non-condensable gases mainly consisting of hydrogen, methane, ethane and olefins obtained during distillation of crude oil or treatment of oil products in refineries. This also includes gases which are returned from the petrochemical industry.

Liquefied petroleum gases (LPG) are light paraffinic hydrocarbons derived from the refinery processes, crude oil stabilization and natural gas processing plants. They consist mainly of propane (C₃H₈) and butane (C₄H₁₀) or a combination of the two.

Motor gasoline consists of a mixture of light hydrocarbons distilling between 35°C and 215°C. It is used as a fuel for land-based spark ignition engines.

Diesel oil is a medium distillate used for diesel compression ignition for cars, trucks, ships, etc.

Fuel oil (extra light) is a medium distillate used in industry and for commercial purposes.

Fuel oil (heavy oil) covers heavy oils obtained by treatment of crude oil. It is used as a fuel in energy plants, industry, etc. Sulphur content is lower or higher than 1%.

Motor gasoline = unleaded motor gasoline + leaded motor gasoline + platformate

Other petroleum products = refinery gas + petroleum coke + sulphur + white spirit + kerosene and jet fuel

Received by Republika Srpska and **Delivered by Republika Srpska** refer to all oil and petroleum products entry and exit to/from Republika Srpska respectively, on any basis.

Stock changes represent the difference between initial and final stocks in the observation year. An increase in stocks is presented as a negative number, while their decrease is presented as a positive one.

Transformation input covers amounts of petroleum products consumed to produce other forms of energy (electricity and heat).

Consumption of the energy branch covers consumption of energy for operating purposes in the energy branch.

Energy available for final consumption is energy available to final consumers. It is calculated by subtracting the amount delivered by Republika Srpska (export and sale to the Federation of BH), transformation input and consumption of the energy branch from the sum of total produced petroleum products, petroleum products received by Republika Srpska (import and purchase from the Federation of BH) and stock changes.

Final consumption for non-energy purposes covers final consumption of available energy as raw materials in technological processes for the manufacture of non-energy products.

Final consumption for energy purposes covers final consumption of available energy for energy purposes in industry, construction, transport, households and in agriculture, as well as for other consumers (education, health, administration, etc.).

COMPLIANCE WITH INTERNATIONAL RECOMMENDATIONS AND STANDARDS

Annual balance of oil and petroleum products complies with the IEA/OECD/EUROSTAT recommendations.

The basic regulation defining the rules for surveys in energy statistics is the Regulation 1099/2008 and the Energy Statistics Manual of the International Energy Agency (IEA) and Eurostat (https://www.iea.org/publications/freepublications/publication/statistics_manual.pdf).

ORGANISATION OF SURVEY IMPLEMENTATION

AUTHORITIES IMPLEMENTING THE STATISTICAL SURVEY

The authorised producer of balance of oil and petroleum products is the Republika Srpska Institute of Statistics.

Collection, entry and processing of data are carried out in the Division for Production Statistics of the Institute. Data on consumption of energy and fuel in industry are collected by the regional offices of the Republika Srpska Institute of Statistics.

OBLIGATION TO PROVIDE DATA

Reporting units are obliged to submit data to the Republika Srpska Institute of Statistics pursuant to the Law on Statistics of Republika Srpska ("Official Gazette of Republika Srpska", No. 85/03).

IMPLEMENTATION FREQUENCY

The deadline for reporting units to submit completed EN-UGE-G reports to the authorised statistical body is 24th April, while for other reports (EN-N1-G, EN-N2-G and EN-TE-G) the deadline is 31st May.

The deadline for the Republika Srpska Institute of Statistics to publish the data is 30th November of the current year for the previous year.

INSTRUMENTS

Annual reports on energy.

Regulation EC 1099/2008 and Energy Statistics Manual.

PUBLISHING

Data are published in the annual release “Balance of oil and petroleum products” and in the statistical bulletin “Energy balances”.

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