

NATIONAL STATISTICS OFFICE OF GEORGIA

ENERGY BALANCE OF GEORGIA



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Symbols and abbreviations

0,0 Negligible magnitude

- Not applicable

. . . Data not available

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

Foreword

The need for production of energy balance is linked to such important issues of global policy, as climate change and energy security. The publication includes statistical data for 2023 year.

A wide range of growing interest of users leads to the development of the energy balance, as it is the best way to represent the local or global policy planning.

2023 Energy Balance, like the previous years' balances, is based on the recommendations drawn up by the International Energy Agency (IEA) and Eurostat and fully complies with international standards.

The publication is based on the declared data of various surveys conducted by the National Statistics Office during 2024. Different types of administrative data as well as expert assessments have been used in order to create the energy balance.

By signing the Community treaty, National Statistics Office of Georgia is implementing requirements regulations and directives of European Parliament and of the council, related energy statistics.

Business remarks and proposals on format and contents of this publication will be perceived by the authors group with gratitude.

The publication is designed for various groups of users.

National Statistics Office of Georgia

Survey Program

In order to collect data from the energy sector, producers, suppliers, distributors and traders of energy forms (coal, natural gas, electricity, oil and oil products) were surveyed at full coverage as a result of specially organized statistical surveys.

In 2023 the survey covered non-financial corporations and households. Among non-financial corporations, enterprises in agriculture, industry, construction, and the transport sector were surveyed. Residential data were collected using a computer-assisted personal interviewing (CAPI) method, while in other sectors data collection was primarily carried out by means of online questionnaire.

Various types of administrative data were used to complete energy balance in addition to the above-mentioned surveys. In certain cases expert assessments were carried out as well.

The information derived from the survey allows to determine the energy production, supply and consumption structure by sectors, which is the basis for calculation of energy efficiency in the country.

I. Key indicators about Georgia

1.1 Main facts about Georgia

Area	69 700 km ²
Length of state borders	2 148 km
Land borders	1 839 km
The highest mountain	„Shkhara” – 5 200 m
Population	3 694.6 thousand persons (01.01.2024)
Density	65.3 persons/km ² ¹
Capital	Tbilisi
Official languages	Georgian
Currency	Georgian lari (GEL)

1.2 Key economic indicators about Georgia, 2023

Indicators	2023
GDP at current prices, mil. GEL	80 882.8
GDP at constant 2019 prices, mil. GEL	61 688.6
DGP real growth, percentage	7.8
GDP per capita (at current prices), USD	8 284.0
Unemployment rate, percentage	16.4
CPI (Inflation), Annual Average to the Annual Average	102.5
Foreign Direct Investments, Mil. USD	1 902.2
External Trade (FOB), Mil. USD	6 086.4
Import (CIF), Mil. USD	15 603.6

¹ The controlled area is in use - 57 178.7 km²

1.3 Power Plants operating in Georgia, 2023

	Name	Installed capacity (MW)
Hydro Electricity Plants		
1	Engurhesi	1 300.0
2	Vardnilhesi	220.0
3	Khramhesi 1	112.8
4	Khramhesi 2	110.0
5	Zhinvalhesi	130.0
6	Vartsikhehesi	184.0
7	Rionhesi	51.0
8	Gumatihesi	69.5
9	Lajanurhesi	113.7
10	Dzevrulahesi	80.0
11	Shaorhesi	40.3
12	Zahesi	36.8
13	Ortachalahesi	18.0
14	Atshesi	18.4
15	Chitakhevihesi	21.0
16	Satskhenhesi	14.0
17	Khadorhesi	24.0
18	Larsi hesi	19.0
19	Faravanhesi	87.0
20	Darialihesi	108.0
21	Khelvachaurihesi 1	47.5
22	Shuakhevihesi	178,7
23	Kirnatihesi	51.3
24	Oldenerjihesi	21.4
25	Mestiachalahesi 1	20.0
26	Mestiachalahesi 2	30.0
27	Other Hydro Power Plants (Small Hydro power plants)	321.1
Thermal Electricity Plants		
28	Mtkvari energy	300.0
29	Tbilsresi	270.0
30	Gpower	110.0
31	Gardabani TP 1	231.2
32	Gardabani TP 2	230.0
Wind Power Plant		
33	Kartli Wind Power Plant	20.7

1.4 Small Hydro Power Plants operating in Georgia, 2023

1	Alazanhesi	33	Saguramo hesi
2	Bzhuzhahesi	34	Rustavihesi
3	Abhesi	35	Sulorhesi
4	Tetrikhevhesi	36	Okamihesi
5	Sionhesi	37	Lopotahesi
6	Ritseulahesi	38	Zvaretihesi
7	Chalahesi	39	Tirifonhesi
8	Chkhorhesi	40	Pantiani hesi
9	Dashbashi hesi	41	Pshavelahesi
10	Mashavera hesi	42	Khadorhesi-2
11	Kabalhesi	43	Khanhesi
12	Kakhareti hesi	44	Racha hesi
13	Intsobahesi	45	Dagvahesi
14	Kazbegi hesi	46	Alazanhesi-2
15	Energetiki hesi	47	Shilda hesi
16	Machakhelahesi	48	Bakhvi hesi-3
17	Misaktsielhesi	49	Aragvi hesi
18	Skurhesi	50	Akhmeta hesi
19	Khertvisi hesi	51	Kazreti hesi
20	Kinkishahesi	52	Pshavelahesi (Stori power)
21	Achi hesi	53	Martkopi hesi
22	Igoeti hesi	54	Algetahesi
23	Sanalia hesi	55	Debeda hesi
24	Shaqshaqeti hesi	56	Maksania hesi
25	Nakra hesi	57	Kintrishahesi
26	Nabeghlavi hesi	58	Shilda hesi 1
27	Kheor hesi	59	Kasleti hesi 2
28	Bodorna hesi	60	Jonouli hesi 1
29	Oro hesi	61	Avani hesi
30	Chordula hesi	62	Skurdi di hesi
31	Sashualahesi 2	63	Aragvi hesi 2
32	Ipari hesi	64	Khelra hesi

Source: Electricity Market Operator (ESCO)

AGREGATED ENERGY BALANCE OF GEORGIA, 2023

(TJ)

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind, etc.	Biofuel & Waste	Electricity	Heat	Total
Production	2 516.5	1 652.7	-	589.0	-	39 107.5	1 169.2	8 762.2	-	-	53 797.2
Imports	5 947.2	293.1	69 501.7	120 390.8	-	-	-	-	15 243.6	-	211 376.4
Exports	0.8	-	3 386.5	-	-	-	-	34.9	17 686.3	-	21 108.5
International Marine Bunkers	-	-	73.1	-	-	-	-	-	-	-	73.1
International Aviation Bunkers	-	-	5 703.2	-	-	-	-	-	-	-	5 703.2
Stock Changes	235.7	28.4	-951.7	-	-	-	-	-	-	-	-687.6
DOMESTIC SUPPLY	8 698.6	1 974.3	59 387.1	120 979.8	-	39 107.5	1 169.2	8 727.3	-2 442.7	-	237 601.2
Available	8 698.6	1 974.3	61 542.9	120 979.8	-	39 107.5	1 169.2	8 727.3	49 382.1	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	0.0	198.6	-744.5	0.0	-	0.0	0.0	0.0	0.0	-	-545.9
Transformation Sector - Input	-	1 775.6	-	27 014.2	-	39 107.5	310.0	-	-	-	68 207.4
MA Thermal Electricity Plants	-	-	-	27 014.2	-	-	-	-	-	-	27 014.2
MA Hydro Electricity Plants	-	-	-	-	-	39 107.5	-	-	-	-	39 107.5
MA Heat Plants	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	1 775.6	-	-	-	-	-	-	-	-	1 775.6
Wind Plants	-	-	-	-	-	-	310.0	-	-	-	310.0
Transformation Sector - Production	-	-	2 155.8	-	-	-	-	-	51 824.8	-	53 980.6
MA Thermal Electricity Plants	-	-	-	-	-	-	-	-	12 407.2	-	12 407.2
MA Hydro Electricity Plants	-	-	-	-	-	-	-	-	39 107.5	-	39 107.5
MA Heat Plants	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	2 155.8	-	-	-	-	-	-	-	2 155.8
Wind Plants	-	-	-	-	-	-	-	-	310.0	-	310.0

ENERGY BALANCE OF GEORGIA, 2023

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind, etc.	Biofuel & Waste	Electricity	Heat	Total
Energy Sector	12.9	-	-	-	-	-	-	-	1 073.6	-	1 086.5
Coal Mines	12.9	-	-	-	-	-	-	-	47.0	-	59.9
Oil and Gas Extraction	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	-	-	-	-	-	-	-	-	-
Own Use in Thermal Electricity Plants	-	-	-	-	-	-	-	-	505.7	-	505.7
Own Use in Hydro Electricity Plants	-	-	-	-	-	-	-	-	520.9	-	520.9
Used for Pumped Storage	-	-	-	-	-	-	-	-	-	-	-
Non-specified (Energy)	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	3 598.5	-	-	58.5	-	4 141.8	-	7 798.7
FINAL CONSUMPTION	8 685.7	-	62 287.4	90 367.1	-	-	800.7	8 727.3	44 166.8	-	215 035.0
Industry	8 626.5	-	3 932.4	8 743.2	-	-	-	23.2	11 220.9	-	32 546.3
Iron and steel	3 388.5	-	1.5	905.7	-	-	-	-	5 240.1	-	9 535.7
Chemical (including petrochemical)	-	-	0.0	3 508.6	-	-	-	-	1 051.0	-	4 559.6
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	5 061.9	-	1.4	1 446.0	-	-	-	-	1 222.9	-	7 732.3
Transport equipment	-	-	-	1.8	-	-	-	-	14.5	-	16.2
Machinery	-	-	-	82.5	-	-	-	0.1	80.1	-	162.7
Mining and quarrying ¹	-	-	1 191.5	68.5	-	-	-	-	596.3	-	1 856.2
Food, beverages and tobacco	176.1	-	4.2	1 809.9	-	-	-	23.0	989.8	-	3 003.0
Paper, pulp and printing	-	-	-	111.0	-	-	-	-	61.1	-	172.0
Wood and wood products	-	-	-	18.1	-	-	-	-	16.5	-	34.6
Construction	-	-	2 732.9	689.9	-	-	-	0.2	757.6	-	4 180.5

¹ Including non-ferrous metals

ENERGY BALANCE OF GEORGIA, 2023

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind, etc.	Biofuel & Waste	Electricity	Heat	Total
Textiles and leather	-	-	0.0	31.1	-	-	-	-	44.7	-	75.8
Not elsewhere specified (Industry)	-	-	0.8	70.1	-	-	-	-	1 146.5	-	1 217.4
Transport	-	-	51 128.8	18 772.7	-	-	-	0.9	808.4	-	70 710.8
International aviation	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	40.5	-	-	-	-	-	-	-	40.5
Road	-	-	50 892.0	6 156.4	-	-	-	0.9	-	-	57 049.3
Rail	-	-	78.9	-	-	-	-	-	698.0	-	776.9
Domestic navigation	-	-	24.4	-	-	-	-	-	-	-	24.4
Pipeline transport	-	-	93.0	12 616.4	-	-	-	-	64.9	-	12 774.2
Not elsewhere specified (Transport)	-	-	-	-	-	-	-	-	45.5	-	45.5
Other	59.2	-	672.1	56 815.4	-	-	800.7	8 703.2	32 137.4	-	99 188.1
Commercial and public services	-	-	2.3	9 139.6	-	-	488.0	50.6	12 100.4	-	21 780.8
Residential	14.7	-	230.0	47 334.4	-	-	271.0	8 652.6	9 903.6	-	66 406.3
Agriculture/forestry/fishing	44.5	-	439.9	341.4	-	-	41.7	-	403.2	-	1 270.7
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	9 730.3	-	9 730.3
Non-energy use	-	-	6 554.2	6 035.7	-	-	-	-	-	-	12 589.9
Transformation sector	-	-	-	-	-	-	-	-	-	-	-
Energy sector	-	-	19.9	-	-	-	-	-	-	-	19.9
Transport sector	-	-	870.3	-	-	-	-	-	-	-	870.3
International aviation	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	0.0	-	-	-	-	-	-	-	0.0
Road	-	-	866.5	-	-	-	-	-	-	-	866.5
Rail	-	-	3.8	-	-	-	-	-	-	-	3.8
Domestic navigation	-	-	0.0	-	-	-	-	-	-	-	0.0

ENERGY BALANCE OF GEORGIA, 2023

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind, etc.	Biofuel & Waste	Electricity	Heat	Total
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Transport)	-	-	-	-	-	-	-	-	-	-	-
Industry sector	-	-	5 663.7	6 035.7	-	-	-	-	-	-	11 699.4
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical (including petrochemical)	-	-	38.4	6 035.7	-	-	-	-	-	-	6 074.1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	164.0	-	-	-	-	-	-	-	164.0
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying ²	-	-	19.4	-	-	-	-	-	-	-	19.4
Food, beverages and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	5 441.3	-	-	-	-	-	-	-	5 441.3
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	-	0.5	-	-	-	-	-	-	-	0.5
Other sectors	-	-	0.3	-	-	-	-	-	-	-	0.3
Commercial and public services	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry/fishing	-	-	0.3	-	-	-	-	-	-	-	0.3
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-

² Including non-ferrous metals-

AGGREGATED ENERGY BALANCE OF GEORGIA, 2023

(Thousand tonnes of oil equivalent)

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind etc.	Biofuel & Waste	Electricity	Heat	Total
Production	60.1	39.5	-	14.1	-	934.1	27.9	209.3	-	-	1 284.9
Imports	142.0	7.0	1 660.0	2 875.5	-	-	-	-	364.1	-	5 048.6
Exports	0.0	-	80.9	-	-	-	-	0.8	422.4	-	504.2
International Marine Bunkers	-	-	1.7	-	-	-	-	-	-	-	1.7
International Aviation Bunkers	-	-	136.2	-	-	-	-	-	-	-	136.2
Stock Changes	5.6	0.7	-22.7	-	-	-	-	-	-	-	-16.4
DOMESTIC SUPPLY	207.8	47.2	1 418.4	2 889.6	-	934.1	27.9	208.4	-58.3	-	5 675.0
Available	207.8	47.2	1 469.9	2889.6	-	934.1	27.9	208.4	1 179.5	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	0.0	4.7	-17.8	0.0	-	0.0	0.0	0.0	0.0	-	-13.0
Transformation Sector - Input	-	42.4	-	645.2	-	934.1	7.4	-	-	-	1 629.1
MA Thermal Electricity Plants	-	-	-	645.2	-	-	-	-	-	-	645.2
MA Hydro Electricity Plants	-	-	-	-	-	934.1	-	-	-	-	934.1
MA Heat Plants	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	42.4	-	-	-	-	-	-	-	-	42.4
Wind Plants	-	-	-	-	-	-	7.4	-	-	-	7.4
Transformation Sector – Production	-	-	51.5	-	-	-	-	-	1 237.8	-	1 289.3
MA Thermal Electricity Plants	-	-	-	-	-	-	-	-	296.3	-	296.3
MA Hydro Electricity Plants	-	-	-	-	-	-	-	-	934.1	-	934.1
MA Heat Plants	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	51.5	-	-	-	-	-	-	-	51.5
Wind Plants	-	-	-	-	-	-	-	-	7.4	-	7.4

ENERGY BALANCE OF GEORGIA, 2023

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind etc.	Biofuel & Waste	Electricity	Heat	Total
Energy Sector	0.3	-	-	-	-	-	-	-	25.6	-	26.0
Coal Mines	0.3	-	-	-	-	-	-	-	1.1	-	1.4
Oil and Gas Extraction	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	-	-	-	-	-	-	-	-	-
Own Use in Thermal Electricity Plants	-	-	-	-	-	-	-	-	12.1	-	12.1
Own Use in Hydro Electricity Plants	-	-	-	-	-	-	-	-	12.4	-	12.4
Used for Pumped Storage	-	-	-	-	-	-	-	-	-	-	-
Non-specified (Energy)	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	85.9	-	-	1.4	-	98.9	-	186.2
FINAL CONSUMPTION	207.5	-	1 487.7	2 158.4	-	-	19.1	208.4	1 054.9	-	5 136.0
Industry	206.0	-	93.9	208.8	-	-	-	0.6	268.0	-	777.4
Iron and steel	80.9	-	0.0	21.6	-	-	-	-	125.2	-	227.8
Chemical (including petrochemical)	-	-	0.0	83.8	-	-	-	-	25.1	-	108.9
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	120.9	-	0.0	34.5	-	-	-	-	29.2	-	184.7
Transport equipment	-	-	-	0.0	-	-	-	-	0.3	-	0.4
Machinery	-	-	-	2.0	-	-	-	0.0	1.9	-	3.9
Mining and quarrying ³	-	-	28.5	1.6	-	-	-	-	14.2	-	44.3
Food, beverages and tobacco	4.2	-	0.1	43.2	-	-	-	0.5	23.6	-	71.7
Paper, pulp and printing	-	-	-	2.7	-	-	-	-	1.5	-	4.1
Wood and wood products	-	-	-	0.4	-	-	-	-	0.4	-	0.8
Construction	-	-	65.3	16.5	-	-	-	0.0	18.1	-	99.9
Textiles and leather	-	-	0.0	0.7	-	-	-	-	1.1	-	1.8
Not elsewhere specified (Industry)	-	-	0.0	1.7	-	-	-	-	27.4	-	29.1

³ Including non-ferrous metals

ENERGY BALANCE OF GEORGIA, 2023

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind etc.	Biofuel & Waste	Electricity	Heat	Total
Transport	-	-	1 221.2	448.4	-	-	-	0.0	19.3	-	1 688.9
International aviation	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	1.0	-	-	-	-	-	-	-	1.0
Road	-	-	1 215.5	147.0	-	-	-	0.0	-	-	1 362.6
Rail	-	-	1.9	-	-	-	-	-	16.7	-	18.6
Domestic navigation	-	-	0.6	-	-	-	-	-	-	-	0.6
Pipeline transport	-	-	2.2	301.3	-	-	-	-	1.6	-	305.1
Not elsewhere specified (Transport)	-	-	-	-	-	-	-	-	1.1	-	1.1
Other	1.4	-	16.1	1 357.0	-	-	19.1	207.9	767.6	-	2 369.1
Commercial and public services	-	-	0.1	218.3	-	-	11.7	1.2	289.0	-	520.2
Residential	0.4	-	5.5	1 130.6	-	-	6.5	206.7	236.5	-	1 586.1
Agriculture/forestry/fishing	1.1	-	10.5	8.2	-	-	1.0	-	9.6	-	30.4
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	232.4	-	232.4
Non-energy use	-	-	156.5	144.2	-	-	-	-	-	-	300.7
Transformation sector	-	-	-	-	-	-	-	-	-	-	-
Energy sector	-	-	0.5	-	-	-	-	-	-	-	0.5
Transport sector	-	-	20.8	-	-	-	-	-	-	-	20.8
International aviation	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	0.0	-	-	-	-	-	-	-	0.0
Road	-	-	20.7	-	-	-	-	-	-	-	20.7
Rail	-	-	0.1	-	-	-	-	-	-	-	0.1
Domestic navigation	-	-	0.0	-	-	-	-	-	-	-	0.0
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Transport)	-	-	-	-	-	-	-	-	-	-	-

ENERGY BALANCE OF GEORGIA, 2023

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind etc.	Biofuel & Waste	Electricity	Heat	Total
Industry sector	-	-	135.3	144.2	-	-	-	-	-	-	279.4
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical (including petrochemical)	-	-	0.9	144.2	-	-	-	-	-	-	145.1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	3.9	-	-	-	-	-	-	-	3.9
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying ⁴	-	-	0.5	-	-	-	-	-	-	-	0.5
Food, beverages and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	130.0	-	-	-	-	-	-	-	130.0
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	-	0.0	-	-	-	-	-	-	-	0.0
Other sectors	-	-	0.0	-	-	-	-	-	-	-	0.0
Commercial and public services	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry/fishing	-	-	0.0	-	-	-	-	-	-	-	0.0
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-

⁴ Including non-ferrous metals

ELECTRICITY AND HEAT



SUPPLY AND CONSUMPTION OF ELECTRICITY AND HEAT, 2023

	Hydro (GWh)	Wind (GWh)	Geothermal (TJ)	Solar (TJ)	Electricity (GWh)
Production	10 863.2	86.1	696.3	162.9	14 395.8
Imports	-	-	-	-	4 234.3
Exports	-	-	-	-	4 912.9
Stock Changes	-	-	-	-	-
DOMESTIC SUPPLY	10 863.2	86.1	696.3	162.9	13 717.3
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	10 863.2	86.1	-	-	-
MA Hydro Electricity Plants	10 863.2	-	-	-	-
Wind Plants	-	86.1	-	-	-
Transformation Sector - Production	-	-	-	-	14 395.8
MA Thermal Electricity Plants	-	-	-	-	3 446.5
MA Hydro Electricity Plants	-	-	-	-	10 863.2
Wind Plants	-	-	-	-	86.1
Energy Sector	-	-	-	-	298.2
Coal Mines	-	-	-	-	13.1
Own Use in Thermal Electricity Plants	-	-	-	-	140.5
Own Use in Hydro Electricity Plants	-	-	-	-	144.7
Other	-	-	-	-	0.0
Losses	-	-	58.5	-	1 150.5
FINAL CONSUMPTION	-	-	637.8	162.9	12 268.5
Industry	-	-	-	-	3 116.9
Iron and steel	-	-	-	-	1 455.6
Chemical (including petrochemical)	-	-	-	-	291.9
Non-ferrous metals	-	-	-	-	-
Non-metallic minerals	-	-	-	-	339.7
Transport equipment	-	-	-	-	4.0
Machinery	-	-	-	-	22.3
Mining and quarrying ¹	-	-	-	-	165.6
Food, beverages and tobacco	-	-	-	-	274.9
Paper, pulp and printing	-	-	-	-	17.0
Wood and wood products	-	-	-	-	4.6
Construction	-	-	-	-	210.4
Textiles and leather	-	-	-	-	12.4
Not elsewhere specified (Industry)	-	-	-	-	318.5

¹Including non-ferrous metals

ELECTRICITY AND HEAT

	Hydro (GWh)	Wind (GWh)	Geothermal (TJ)	Solar (TJ)	Electricity (GWh)
Transport	-	-	-	-	224.5
Rail	-	-	-	-	193.9
Pipeline transport	-	-	-	-	18.0
Other	-	-	-	-	12.6
Other	-	-	637.8	162.9	8 927.1
Commercial and public services	-	-	330.3	157.7	3 361.2
Residential	-	-	265.8	5.2	2 751.0
Agriculture/forestry/fishing	-	-	41.7	-	112.0
Not elsewhere specified (Other)	-	-	-	-	2 702.9

SUPPLY AND CONSUMPTION OF ELECTRICITY AND HEAT, 2023

(TJ)

	Hydro	Wind	Geothermal	Solar	Electricity	Total
Production	39 107.5	310.0	696.3	162.9	-	40 276.8
Imports	-	-	-	-	15 243.6	15 243.6
Exports	-	-	-	-	17 686.3	17 686.3
Stock Changes	-	-	-	-	-	-
DOMESTIC SUPPLY	39 107.5	310.0	696.3	162.9	-2 442.7	37 834.1
Available	39 107.5	310.0	696.3	162.9	49 382.1	-
Transfers	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	39 107.5	310.0	-	-	-	39 417.6
MA Hydro Electricity Plants	39 107.5	-	-	-	-	39 107.5
Wind Plants	-	310.0	-	-	-	310.0
Transformation Sector - Production	-	-	-	-	51 824.8	51 824.8
MA Thermal Electricity Plants	-	-	-	-	12 407.2	12 407.2
MA Hydro Electricity Plants	-	-	-	-	39 107.5	39 107.5
Wind Plants	-	-	-	-	310.0	310.0
Energy Sector	-	-	-	-	1 073.6	1 073.6
Coal Mines	-	-	-	-	47.0	47.0
Own Use in Thermal Electricity Plants	-	-	-	-	505.7	505.7
Own Use in Hydro Electricity Plants	-	-	-	-	520.9	520.9
Other	-	-	-	-	0.0	0.0
Losses	-	-	58.5	-	4 141.8	4 200.3
FINAL CONSUMPTION	-	-	637.8	162.9	44 166.8	44 967.5
Industry	-	-	-	-	11 220.9	11 220.9
Iron and steel	-	-	-	-	5 240.1	5 240.1
Chemical (including petrochemical)	-	-	-	-	1 051.0	1 051.0
Non-ferrous metals	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	1 222.9	1 222.9
Transport equipment	-	-	-	-	14.5	14.5
Machinery	-	-	-	-	80.1	80.1
Mining and quarrying ²	-	-	-	-	596.3	596.3
Food, beverages and tobacco	-	-	-	-	989.8	989.8
Paper, pulp and printing	-	-	-	-	61.1	61.1
Wood and wood products	-	-	-	-	16.5	16.5
Construction	-	-	-	-	757.6	757.6
Textiles and leather	-	-	-	-	44.7	44.7
Not elsewhere specified (Industry)	-	-	-	-	1 146.5	1 146.5

²Including non-ferrous metals

ELECTRICITY AND HEAT

	Hydro	Wind	Geothermal	Solar	Electricity	Total
Transport	-	-	-	-	808.4	808.4
Rail	-	-	-	-	698.0	698.0
Pipeline transport	-	-	-	-	64.9	64.9
Other	-	-	-	-	45.5	45.5
Other	-	-	637.8	162.9	32 137.4	32 938.2
Commercial and public services	-	-	330.3	157.7	12 100.4	12 588.4
Residential	-	-	265.8	5.2	9 903.6	10 174.6
Agriculture/forestry/fishing	-	-	41.7	-	403.2	444.9
Not elsewhere specified (Other)	-	-	-	-	9 730.3	9 730.3

SUPPLY AND CONSUMPTION OF ELECTRICITY AND HEAT, 2023
(Thousand tonnes of oil equivalent)

	Hydro	Wind	Geothermal	Solar	Electricity	Total
Production	934.1	7.4	16.6	3.9	-	962.0
Imports	-	-	-	-	364.1	364.1
Exports	-	-	-	-	422.4	422.4
Stock Changes	-	-	-	-	-	-
DOMESTIC SUPPLY	934.1	7.4	16.6	3.9	-58.3	903.7
Available	934.1	7.4	16.6	3.9	1 179.5	-
Transfers	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	934.1	7.4	-	-	-	941.5
MA Hydro Electricity Plants	934.1	-	-	-	-	934.1
Wind Plants	-	7.4	-	-	-	7.4
Transformation Sector - Production	-	-	-	-	1 237.8	1 237.8
MA Thermal Electricity Plants	-	-	-	-	296.3	296.3
MA Hydro Electricity Plants	-	-	-	-	934.1	934.1
Wind Plants	-	-	-	-	7.4	7.4
Energy Sector	-	-	-	-	25.6	25.6
Coal Mines	-	-	-	-	1.1	1.1
Own Use in Thermal Electricity Plants	-	-	-	-	12.1	12.1
Own Use in Hydro Electricity Plants	-	-	-	-	12.4	12.4
Other	-	-	-	-	0.0	0.0
Losses	-	-	1.4	-	98.9	100.3
FINAL CONSUMPTION	-	-	15.2	3.9	1 054.9	1 074.0
Industry	-	-	-	-	268.0	268.0
Iron and steel	-	-	-	-	125.2	125.2
Chemical (including petrochemical)	-	-	-	-	25.1	25.1
Non-ferrous metals	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	29.2	29.2
Transport equipment	-	-	-	-	0.3	0.3
Machinery	-	-	-	-	1.9	1.9
Mining and quarrying ³	-	-	-	-	14.2	14.2
Food, beverages and tobacco	-	-	-	-	23.6	23.6
Paper, pulp and printing	-	-	-	-	1.5	1.5
Wood and wood products	-	-	-	-	0.4	0.4
Construction	-	-	-	-	18.1	18.1
Textiles and leather	-	-	-	-	1.1	1.1
Not elsewhere specified (Industry)	-	-	-	-	27.4	27.4

³Including non-ferrous metals

ELECTRICITY AND HEAT

	Hydro	Wind	Geothermal	Solar	Electricity	Total
Transport	-	-	-	-	19.3	19.3
Rail	-	-	-	-	16.7	16.7
Pipeline transport	-	-	-	-	1.6	1.6
Other	-	-	-	-	1.1	1.1
Other	-	-	15.2	3.9	767.6	786.7
Commercial and public services	-	-	7.9	3.8	289.0	300.7
Residential	-	-	6.3	0.1	236.5	243.0
Agriculture/forestry/fishing	-	-	1.0	-	9.6	10.6
Not elsewhere specified (Other)	-	-	-	-	232.4	232.4

NATURAL GAS



SUPPLY AND CONSUMPTION OF NATURAL GAS, 2023

	Natural Gas (mil. m ³)
Production	16.4
Imports	3 352.4
Exports	-
Stock Changes	-
DOMESTIC SUPPLY	3 368.8
Transfers	-
Statistical Differences	0.0
Transformation Sector - Input	752.2
MA Thermal Electricity Plants	752.2
MA Hydro Electricity Plants	-
MA Heat Plants	-
Petroleum Refineries	-
Losses	100.2
FINAL CONSUMPTION	2 516.3
Industry	243.5
Iron and steel	25.2
Chemical (including petrochemical)	97.7
Non-ferrous metals	-
Non-metallic minerals	40.3
Transport equipment	0.1
Machinery	2.3
Mining and quarrying ¹	1.9
Food, beverages and tobacco	50.4
Paper, pulp and printing	3.1
Wood and wood products	0.5
Construction	19.2
Textiles and leather	0.9
Not elsewhere specified (Industry)	1.9
Transport	522.7
Road	171.4
Pipeline transport	351.3

¹ Including non-ferrous metals

NATURAL GAS

	Natural Gas (mil. m ³)
Other	1 582.1
Commercial and public services	254.5
Residential	1 318.1
Agriculture/forestry/fishing	9.5
other	-
Non-energy use	168.1
Industry sector	168.1
Chemical (including petrochemical)	168.1

The volume of natural gas is given at standard conditions of 15°C

SUPPLY AND CONSUMPTION OF NATURAL GAS, 2023

(TJ)

	Natural Gas
Production	589.0
Imports	120 390.8
Exports	-
Stock Changes	-
DOMESTIC SUPPLY	120 979.8
Available	120 979.8
Transfers	-
Statistical Differences	0.0
Transformation Sector - Input	27 014.2
MA Thermal Electricity Plants	27 014.2
MA Hydro Electricity Plants	-
MA Heat Plants	-
Petroleum Refineries	-
Losses	3 598.5
FINAL CONSUMPTION	90 367.1
Industry	8 743.2
Iron and steel	905.7
Chemical (including petrochemical)	3 508.6
Non-ferrous metals	-
Non-metallic minerals	1 446.0
Transport equipment	1.8
Machinery	82.5
Mining and quarrying ²	68.5
Food, beverages and tobacco	1 809.9
Paper, pulp and printing	111.0
Wood and wood products	18.1
Construction	689.9
Textiles and leather	31.1
Not elsewhere specified (Industry)	70.1
Transport	18 772.7
Road	6 156.4
Pipeline transport	12 616.4

² Including non-ferrous metals

NATURAL GAS

	Natural Gas
Other	56 815.4
Commercial and public services	9 139.6
Residential	47 334.4
Agriculture/forestry/fishing	341.4
Not elsewhere specified (Other)	-
Non-energy use	6 035.7
Industry sector	6 035.7
Chemical (including petrochemical)	6 035.7

SUPPLY AND CONSUMPTION OF NATURAL GAS, 2023

(Thousand tonnes of oil equivalent)

	Natural Gas
Production	14.1
Imports	2 875.5
Exports	-
Stock Changes	-
DOMESTIC SUPPLY	2 889.6
Available	2 889.6
Transfers	-
Statistical Differences	0.0
Transformation Sector - Input	645.2
MA Thermal Electricity Plants	645.2
MA Hydro Electricity Plants	-
MA Heat Plants	-
Petroleum Refineries	-
Losses	85.9
FINAL CONSUMPTION	2 158.4
Industry	208.8
Iron and steel	21.6
Chemical (including petrochemical)	83.8
Non-ferrous metals	-
Non-metallic minerals	34.5
Transport equipment	0.0
Machinery	2.0
Mining and quarrying ³	1.6
Food, beverages and tobacco	43.2
Paper, pulp and printing	2.7
Wood and wood products	0.4
Construction	16.5
Textiles and leather	0.7
Not elsewhere specified (Industry)	1.7
Transport	448.4
Road	147.0
Pipeline transport	301.3

³ Including non-ferrous metals

NATURAL GAS

	Natural Gas
Other	1 357.0
Commercial and public services	218.3
Residential	1 130.6
Agriculture/forestry/fishing	8.2
Not elsewhere specified (Other)	-
Non-energy use	144.2
Industry sector	144.2
Chemical (including petrochemical)	144.2

COAL



SUPPLY AND CONSUMPTION OF COAL, 2023
(Thousand tonnes)

	Anthracite	Other Bit. Coal	Lignite/ Brown Coal	Coke Oven Coke
Production	-	-	148.0	-
Imports	6.5	131.6	-	84.2
Exports	-	-	0.0	-
Stock Changes	-1.3	-6.9	14.2	6.9
DOMESTIC SUPPLY	5.2	124.7	162.2	91.1
Transfers	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0
Transformation Sector - Input	-	-	-	-
Coal TP	-	-	-	-
Energy Sector	-	-	0.8	-
Coal Mines	-	-	0.8	-
FINAL CONSUMPTION	5.2	124.7	161.4	91.1
Industry	5.2	124.7	157.9	91.1
Iron and steel	-	-	42.2	91.1
Non-metallic minerals	-	123.8	115.7	-
Mining and quarrying ¹	-	-	-	-
Food, beverages and tobacco	5.2	0.9	-	-
Wood and wood products	-	-	-	-
Other	-	-	3.5	-
Commercial and public services	-	-	-	-
Residential	-	-	0.9	-
Agriculture/forestry/fishing	-	-	2.6	-

¹Including non-ferrous metals

SUPPLY AND CONSUMPTION OF COAL, 2023

(TJ)

	Anthracite	Other Bit. Coal	Lignite/ Brown Coal	Coke Oven Coke	Total
Production	-	-	2 516.5	-	2 516.5
Imports	190.9	3 289.0	-	2 467.3	5 947.2
Exports	-	-	0.8	-	0.8
Stock Changes	-37.1	-171.8	241.1	203.4	235.7
DOMESTIC SUPPLY	153.8	3 117.2	2 756.8	2 670.7	8 698.6
Available	153.8	3 117.2	2 756.8	2 670.7	8 698.6
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	-	-	-	-	-
Coal TP	-	-	-	-	-
Energy Sector	-	-	12.9	-	12.9
Coal Mines	-	-	12.9	-	12.9
FINAL CONSUMPTION	153.8	3 117.2	2 743.9	2 670.7	8 685.7
Industry	153.8	3 117.2	2 684.7	2 670.7	8 626.5
Iron and steel	-	-	717.8	2 670.7	3 388.5
Non-metallic minerals	-	3 095.0	1 967.0	-	5 061.9
Mining and quarrying ²	-	-	-	-	-
Food, beverages and tobacco	153.8	22.3	-	-	176.1
Wood and wood products	-	-	-	-	-
Other	-	-	59.2	-	59.2
Commercial and public services	-	-	-	-	-
Residential	-	-	14.7	-	14.7
Agriculture/forestry/fishing	-	-	44.5	-	44.5

²Including non-ferrous metals

SUPPLY AND CONSUMPTION OF COAL, 2023

(Thousand tonnes of oil equivalent)

	Anthracite	Other Bit. Coal	Lignite/ Brown Coal	Coke Oven Coke	Total
Production	-	-	60.1	-	60.1
Imports	4.6	78.6	-	58.9	142.0
Exports	-	-	0.0	-	0.0
Stock Changes	-0.9	-4.1	5.8	4.9	5.6
Domestic Supply	3.7	74.5	65.8	63.8	207.8
Available	3.7	74.5	65.8	63.8	207.8
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	-	-	-	-	-
Coal TP	-	-	-	-	-
Energy Sector	-	-	0.3	-	0.3
Coal Mines	-	-	0.3	-	0.3
FINAL CONSUMPTION	3.7	74.5	65.5	63.8	207.5
Industry	3.7	74.5	64.1	63.8	206.0
Iron and steel	-	-	17.1	63.8	80.9
Non-metallic minerals	-	73.9	47.0	-	120.9
Mining and quarrying ³	-	-	-	-	-
Food, beverages and tobacco	3.7	0.5	-	-	4.2
Wood and wood products	-	-	-	-	-
Other	-	-	1.4	-	1.4
Commercial and public services	-	-	-	-	-
Residential	-	-	0.4	-	0.4
Agriculture/forestry/fishing	-	-	1.1	-	1.1

³Including non-ferrous metals

OIL AND OIL PRODUCTS



OIL AND OIL PRODUCTS

SUPPLY AND CONSUMPTION OF OIL AND OIL PRODUCTS, 2023

	Crude Oil (1000 tonnes)	Liquefied Petroleum Gases (1000 tonnes)	Motor Gasoline (1000 tonnes)	Kerosene type Jet Fuel (1000 tonnes)	Kerosene (1000 tonnes)	Road diesel (1000 tonnes)	Heating and other gas oil (1000 tonnes)	Fuel oil- low sulphur (< 1%) (1000 tonnes)	Fuel oil- high sulphur (>= 1%) (1000 tonnes)	Lubricants (1000 tonnes)	Bitumen (1000 tonnes)	Paraffin Waxes (1000 tonnes)	Non-specified Petroleum Prods. (1000 tonnes)
Production	38.9	-	-	-	-	-	-	-	-	-	-	-	-
Imports	6.9	56.9	629.0	134.1	-	590.1	4.7	18.8	-	40.4	151.9	-	1.1
Exports	-	-	21.8	-	-	2.7	-	41.3	-	16.7	0.3	-	0.2
International Marine Bunkers	-	-	-	-	-	1.7	-	-	-	-	-	-	-
International Aviation Bunkers	-	-	-	132.6	-	-	-	-	-	-	-	-	-
Stock Changes	0.7	0.5	-2.3	-0.6	-	0.3	0.5	-16.0	-	0.6	-4.4	-	-2.6
DOMESTIC SUPPLY	46.5	57.4	604.9	0.9	-	586.0	5.2	-38.5	-	24.3	147.1	-	-1.7
Transfers	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	4.7	0.0	0.0	0.0	-	0.0	0.0	-18.5	-	0.0	0.0	-	0.0
Transformation Sector - Input	41.8	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	41.8	-	-	-	-	-	-	-	-	-	-	-	-
Transformation Sector - Production	-	-	14.6	-	-	13.8	0.4	20.1	-	-	-	-	2.7
Petroleum Refineries	-	-	14.6	-	-	13.8	0.4	20.1	-	-	-	-	2.7
FINAL CONSUMPTION	-	57.4	619.5	0.9	-	599.8	5.6	0.1	-	24.3	147.1	-	1.0
Industry	-	0.4	-	-	-	91.2	0.7	0.1	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Chemical (including petrochemical)	-	0.0	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	0.0	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	0.0	-	-	-	-	-	-	-	-	-	-	-

OIL AND OIL PRODUCTS

	Crude Oil (1000 tonnes)	Liquefied Petroleum Gases (1000 tonnes)	Motor Gasoline (1000 tonnes)	Kerosene type Jet Fuel (1000 tonnes)	Kerosene (1000 tonnes)	Road diesel (1000 tonnes)	Heating and other gas oil (1000 tonnes)	Fuel oil-low sulphur (< 1%) (1000 tonnes)	Fuel oil-high sulphur (>= 1%) (1000 tonnes)	Lubricants (1000 tonnes)	Bitumen (1000 tonnes)	Paraffin Waxes (1000 tonnes)	Non-specified Petroleum Prods. (1000 tonnes)
Mining and quarrying ¹	-	-	-	-	-	28.0	-	-	-	-	-	-	-
Food, beverages and tobacco	-	0.0	-	-	-	-	-	0.1	-	-	-	-	-
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	0.3	-	-	-	63.2	0.6	-	-	-	-	-	-
Textiles and leather	-	0.0	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	0.0	-	-	-	-	-	-	-	-	-	-	-
Transport	-	52.0	618.0	0.9	-	500.2	4.6	-	-	-	-	-	-
International aviation	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	0.9	-	-	-	-	-	-	-	-	-
Road	-	52.0	618.0	-	-	500.2	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	1.9	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	0.6	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	2.2	-	-	-	-	-	-
Other	-	5.1	1.5	-	-	8.4	0.4	-	-	-	-	-	-
Commercial and public services	-	0.0	-	-	-	-	-	-	-	-	-	-	-
Residential	-	5.0	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry/fishing	-	0.0	1.5	-	-	8.4	0.4	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-	-	-	-	24.3	147.1	-	1.0
Energy sector	-	-	-	-	-	-	-	-	-	0.5	-	-	-

¹ Including non-ferrous metals

OIL AND OIL PRODUCTS

	Crude Oil (1000 tonnes)	Liquefied Petroleum Gases (1000 tonnes)	Motor Gasoline (1000 tonnes)	Kerosene type Jet Fuel (1000 tonnes)	Kerosene (1000 tonnes)	Road diesel (1000 tonnes)	Heating and other gas oil (1000 tonnes)	Fuel oil-low sulphur (< 1%) (1000 tonnes)	Fuel oil-high sulphur (>= 1%) (1000 tonnes)	Lubricants (1000 tonnes)	Bitumen (1000 tonnes)	Paraffin Waxes (1000 tonnes)	Non-specified Petroleum Prods. (1000 tonnes)
Transport sector	-	-	-	-	-	-	-	-	-	22.9	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Road	-	-	-	-	-	-	-	-	-	22.8	-	-	-
Rail	-	-	-	-	-	-	-	-	-	0.1	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Industry sector	-	-	-	-	-	-	-	-	-	0.9	147.1	-	1.0
Iron and steel	-	-	-	-	-	-	-	-	-	-	-	-	-
Chemical (including petrochemical)	-	-	-	-	-	-	-	-	-	-	-	-	1.0
Non-metallic minerals	-	-	-	-	-	-	-	-	-	0.3	4.0	-	-
Machinery	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Mining and quarrying ²	-	-	-	-	-	-	-	-	-	0.5	-	-	-
Food, beverages and tobacco	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	0.1	143.1	-	-
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Other sectors	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Agriculture/forestry/fishing	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-	-	-

² Including non-ferrous metals

OIL AND OIL PRODUCTS

SUPPLY AND CONSUMPTION OF OIL AND OIL PRODUCTS, 2023

(TJ)

	Crude Oil	Liquefied Petroleum Gases	Motor Gasoline	Kerosene type Jet Fuel	Kerosene	Road diesel	Heating and other gas oil	Fuel oil-low sulph. (< 1%)	Fuel oil-high sulph. (>=1%)	Lubricants	Bitumen	Paraffin Waxes	Non-specified Petroleum Prods.	Total
Production	1 652.7	-	-	-	-	-	-	-	-	-	-	-	-	1 652.7
Imports	293.1	2 617.8	27 674.8	5 768.1	-	25 137.6	200.1	754.0	-	1 535.1	5 771.1	-	43.3	69 794.8
Exports	-	-	959.9	-	-	114.6	-	1 659.9	-	633.7	11.0	-	7.5	3 386.5
International Marine Bunkers	-	-	-	-	-	73.1	-	-	-	-	-	-	-	73.1
International Aviation Bunkers	-	-	-	5 703.2	-	-	-	-	-	-	-	-	-	5 703.2
Stock Changes	28.4	24.0	-100.0	-24.3	-	14.4	22.7	-642.8	-	22.8	-168.6	-	-99.9	-923.3
DOMESTIC SUPPLY	1 974.3	2 641.7	26 614.9	40.5	-	24 964.2	222.8	-1 548.7	-	924.2	5 591.5	-	-64.1	61 361.4
Available	1 974.3	2 641.7	27 257.3	40.5	-	25 550.9	239.5	-741.2	-	924.2	5 591.5	-	38.4	63 517.2
Transfers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	198.6	0.0	0.0	0.0	-	0.0	0.0	-744.5	-	0.0	0.0	-	0.0	-545.9
Transformation Sector - Input	1 775.6	-	-	-	-	-	-	-	-	-	-	-	-	1 775.6
Petroleum Refineries	1 775.6	-	-	-	-	-	-	-	-	-	-	-	-	1 775.6
Transformation Sector - Production	-	-	642.4	-	-	586.7	16.7	807.5	-	-	-	-	102.5	2 155.8
Petroleum Refineries	-	-	642.4	-	-	586.7	16.7	807.5	-	-	-	-	102.5	2 155.8
FINAL CONSUMPTION	-	2 641.7	27 257.3	40.5	-	25 550.9	239.5	3.3	-	924.2	5 591.5	-	38.4	62 287.4
Industry	-	16.8	-	-	-	3 884.0	28.3	3.3	-	-	-	-	-	3 932.4
Iron and steel	-	-	-	-	-	-	1.5	-	-	-	-	-	-	1.5
Chemical (including petrochemical)	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	1.4	-	-	-	-	-	-	-	-	-	-	-	1.4
Transport equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0

OIL AND OIL PRODUCTS

	Crude Oil	Liquefied Petroleum Gases	Motor Gasoline	Kerosene type Jet Fuel	Kerosene	Road diesel	Heating and other gas oil	Fuel oil-low sulph. (< 1%)	Fuel oil-high sulph. (>=1%)	Lubricants	Bitumen	Paraffin Waxes	Non-specified Petroleum Prods.	Total
Mining and quarrying ³	-	-	-	-	-	1 191.5	-	-	-	-	-	-	-	1 191.5
Food, beverages and tobacco	-	0.9	-	-	-	-	-	3.3	-	-	-	-	-	4.2
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	13.6	-	-	-	2 692.5	26.8	-	-	-	-	-	-	2 732.9
Textiles and leather	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Not elsewhere specified (Industry)	-	0.8	-	-	-	-	-	-	-	-	-	-	-	0.8
Transport	-	2 392.6	27 192.0	40.5	-	21 307.3	196.3	-	-	-	-	-	-	51 128.8
International aviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	40.5	-	-	-	-	-	-	-	-	-	40.5
Road	-	2 392.6	27 192.0	-	-	21 307.3	-	-	-	-	-	-	-	50 892.0
Rail	-	-	-	-	-	-	78.9	-	-	-	-	-	-	78.9
Domestic navigation	-	-	-	-	-	-	24.4	-	-	-	-	-	-	24.4
Pipeline transport	-	-	-	-	-	-	93.0	-	-	-	-	-	-	93.0
Other	-	232.3	65.3	-	-	359.7	14.9	-	-	-	-	-	-	672.1
Commercial and public services	-	2.3	-	-	-	-	-	-	-	-	-	-	-	2.3
Residential	-	230.0	-	-	-	-	-	-	-	-	-	-	-	230.0
Agriculture/forestry/fishing	-	0.1	65.3	-	-	359.7	14.9	-	-	-	-	-	-	439.9
Non-energy use	-	-	-	-	-	-	-	-	-	924.2	5 591.5	-	38.4	6 554.2
Energy sector	-	-	-	-	-	-	-	-	-	19.9	-	-	-	19.9
Transport sector	-	-	-	-	-	-	-	-	-	870.3	-	-	-	870.3
Domestic aviation	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0

³ Including non-ferrous metals

OIL AND OIL PRODUCTS

	Crude Oil	Liquefied Petroleum Gases	Motor Gasoline	Kerosene type Jet Fuel	Kerosene	Road diesel	Heating and other gas oil	Fuel oil-low sulph. (< 1%)	Fuel oil-high sulph. (>=1%)	Lubricants	Bitumen	Paraffin Waxes	Non-specified Petroleum Prods.	Total
Road	-	-	-	-	-	-	-	-	-	866.5	-	-	-	866.5
Rail	-	-	-	-	-	-	-	-	-	3.8	-	-	-	3.8
Domestic navigation	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Industry sector	-	-	-	-	-	-	-	-	-	33.7	5 591.5	-	38.4	5 663.7
Iron and steel	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chemical (including petrochemical)	-	-	-	-	-	-	-	-	-	-	-	-	38.4	38.4
Non-metallic minerals	-	-	-	-	-	-	-	-	-	10.6	153.4	-	-	164.0
Machinery	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Mining and quarrying ⁴	-	-	-	-	-	-	-	-	-	19.4	-	-	-	19.4
Food, beverages and tobacco	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	3.2	5 438.1	-	-	5 441.3
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	-	-	-	-	-	-	-	-	0.5	-	-	-	0.5
Other sectors	-	-	-	-	-	-	-	-	-	0.3	-	-	-	0.3
Agriculture/forestry/fishing	-	-	-	-	-	-	-	-	-	0.3	-	-	-	0.3
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

⁴ Including non-ferrous metals

OIL AND OIL PRODUCTS

SUPPLY AND CONSUMPTION OF OIL AND OIL PRODUCTS, 2023

(Thousand tonnes of oil equivalent)

	Crude Oil	Liquefied Petroleum Gases	Motor Gasoline	Kerosene type Jet Fuel	Kerosene	Road diesel	Heating and other gas oil	Fuel oil-low sulph. (< 1%)	Fuel oil-high sulph. (>=1%)	Lubricants	Bitumen	Paraffin Waxes	Non-specified Petroleum Prods.	Total
Production	39.5	-	-	-	-	-	-	-	-	-	-	-	-	39.5
Imports	7.0	62.5	661.0	137.8	-	600.4	4.8	18.0	-	36.7	137.8	-	1.0	1 667.0
Exports	-	-	22.9	-	-	2.7	-	39.6	-	15.1	0.3	-	0.2	80.9
International Marine Bunkers	-	-	-	-	-	1.7	-	-	-	-	-	-	-	1.7
International Aviation Bunkers	-	-	-	136.2	-	-	-	-	-	-	-	-	-	136.2
Stock Changes	0.7	0.6	-2.4	-0.6	-	0.3	0.5	-15.4	-	0.5	-4.0	-	-2.4	-22.1
DOMESTIC SUPPLY	47.2	63.1	635.7	1.0	-	596.3	5.3	-37.0	-	22.1	133.6	-	-1.5	1 465.6
Available	47.2	63.1	651.0	1.0	-	610.3	5.7	-17.7	-	22.1	133.6	-	0.9	1 517.1
Transfers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	4.7	0.0	0.0	0.0	-	0.0	0.0	-17.8	-	0.0	0.0	-	0.0	-13.0
Transformation Sector - Input	42.4	-	-	-	-	-	-	-	-	-	-	-	-	42.4
Petroleum Refineries	42.4	-	-	-	-	-	-	-	-	-	-	-	-	42.4
Transformation Sector - Production	-	-	15.3	-	-	14.0	0.4	19.3	-	-	-	-	2.4	51.5
Petroleum Refineries	-	-	15.3	-	-	14.0	0.4	19.3	-	-	-	-	2.4	51.5
FINAL CONSUMPTION	-	63.1	651.0	1.0	-	610.3	5.7	0.1	-	22.1	133.6	-	0.9	1 487.7
Industry	-	0.4	-	-	-	92.8	0.7	0.1	-	-	-	-	-	93.9
Iron and steel	-	-	-	-	-	-	0.0	-	-	-	-	-	-	0.0
Chemical (including petrochemical)	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Transport equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-

OIL AND OIL PRODUCTS

	Crude Oil	Liquefied Petroleum Gases	Motor Gasoline	Kerosene type Jet Fuel	Kerosene	Road diesel	Heating and other gas oil	Fuel oil-low sulph. (< 1%)	Fuel oil-high sulph. (>=1%)	Lubricants	Bitumen	Paraffin Waxes	Non-specified Petroleum Prods.	Total
Machinery	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Mining and quarrying ⁵	-	-	-	-	-	28.5	-	-	-	-	-	-	-	28.5
Food, beverages and tobacco	-	0.0	-	-	-	-	-	0.1	-	-	-	-	-	0.1
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	0.3	-	-	-	64.3	0.6	-	-	-	-	-	-	65.3
Textiles and leather	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Not elsewhere specified (Industry)	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Transport	-	57.1	649.5	1.0	-	508.9	4.7	-	-	-	-	-	-	1 221.2
International aviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	1.0	-	-	-	-	-	-	-	-	-	1.0
Road	-	57.1	649.5	-	-	508.9	-	-	-	-	-	-	-	1 215.5
Rail	-	-	-	-	-	-	1.9	-	-	-	-	-	-	1.9
Domestic navigation	-	-	-	-	-	-	0.6	-	-	-	-	-	-	0.6
Pipeline transport	-	-	-	-	-	-	2.2	-	-	-	-	-	-	2.2
Other	-	5.5	1.6			8.6	0.4							16.1
Commercial and public services	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1
Residential	-	5.5	-	-	-	-	-	-	-	-	-	-	-	5.5
Agriculture/forestry/fishing	-	0.0	1.6	-	-	8.6	0.4	-	-	-	-	-	-	10.5
Non-energy use	-	-	-	-	-	-	-	-	-	22.1	133.6	-	0.9	156.5
Energy sector	-	-	-	-	-	-	-	-	-	0.5	-	-	-	0.5

⁵ Including non-ferrous metals

OIL AND OIL PRODUCTS

	Crude Oil	Liquefied Petroleum Gases	Motor Gasoline	Kerosene type Jet Fuel	Kerosene	Road diesel	Heating and other gas oil	Fuel oil-low sulph. (< 1%)	Fuel oil-high sulph. (>=1%)	Lubricants	Bitumen	Paraffin Waxes	Non-specified Petroleum Prods.	Total
Transport sector	-	-	-	-	-	-	-	-	-	20.8	-	-	-	20.8
Domestic aviation	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Road	-	-	-	-	-	-	-	-	-	20.7	-	-	-	20.7
Rail	-	-	-	-	-	-	-	-	-	0.1	-	-	-	0.1
Domestic navigation	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Industry sector	-	-	-	-	-	-	-	-	-	0.8	133.6	-	0.9	135.3
Iron and steel	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chemical (including petrochemical)	-	-	-	-	-	-	-	-	-	-	-	-	0.9	0.9
Non-metallic minerals	-	-	-	-	-	-	-	-	-	0.3	3.7	-	-	3.9
Machinery	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Mining and quarrying ⁶	-	-	-	-	-	-	-	-	-	0.5	-	-	-	0.5
Food, beverages and tobacco	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-	--
Construction	-	-	-	-	-	-	-	-	-	0.1	129.9	-	-	130.0
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Other sectors	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Agriculture/forestry/fishing	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

⁶ Including non-ferrous metals

BIOFUEL AND WASTE



SUPPLY AND CONSUMPTION OF BIOFUEL AND WASTE IN PHYSICAL UNITS, 2023

	Fuel wood (1000 m ³)	Other vegetal materials and residual (1000 t)	Biodiesel (1000 t)	Charcoal (1000 t)
Production	1 114.5	8.5	0.0	0.0
Imports	-	-	-	-
Exports	4.5	-	-	-
Stock Changes	-	-	-	-
DOMESTIC SUPPLY	1 110.1	8.5	0.0	0.0
Transfers	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0
FINAL CONSUMPTION	1 110.1	8.5	0.0	0.0
Industry	3.0	-	-	-
Non-metallic minerals	-	-	-	-
Machinery	0.0	-	-	-
Food, beverages and tobacco	2.9	-	-	-
Wood and wood products	-	-	-	-
Construction	-	-	-	-
Not elsewhere specified (Industry)	-	-	-	-
Transport	-	-	0.0	-
Road	-	-	0.0	-
Other	1 107.1	8.5	-	0.0
Commercial and public services	5.9	0.6	-	0.0
Residential	1 101.2	7.9	-	-
Agriculture/forestry/fishing	-	-	-	-

SUPPLY AND CONSUMPTION OF BIOFUEL AND WASTE, 2023
(TJ)

	Fuel wood	Other vegetal materials and residual	Biodiesel (1000 t)	Charcoal	Total
Production	8 693.4	67.9	0.9	0.0	8 762.2
Imports	-	-	-	-	-
Exports	34.9	-	-	-	34.9
Stock Changes	-	-	-	-	-
DOMESTIC SUPPLY	8 658.5	67.9	0.9	0.0	8 727.3
Available	8 658.5	67.9	0.9	0.0	8 727.3
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
FINAL CONSUMPTION	8 658.5	67.9	0.9	0.0	8 727.3
Industry	23.2	-	-	-	23.2
Non-metallic minerals	-	-	-	-	-
Machinery	0.1	-	-	-	0.1
Food, beverages and tobacco	23.0	-	-	-	23.0
Wood and wood products	-	-	-	-	-
Construction	0.2	-	-	-	0.2
Not elsewhere specified (Industry)	-	-	-	-	-
Transport	-	-	0.9	-	0.9
Road	-	-	0.9	-	0.9
Other	8 635.3	67.9	-	0.0	8 703.2
Commercial and public services	45.9	4.6	-	0.0	50.6
Residential	8 589.4	63.3	-	-	8 652.6
Agriculture/forestry/fishing	-	-	-	-	-

SUPPLY AND CONSUMPTION OF BIOFUEL AND WASTE, 2023

(Thousand tonnes of oil equivalent)

	Fuel wood	Other vegetal materials and residual	Biodiesel	Charcoal	Total
Production	207.6	1.6	0.0	0.0	209.3
Imports	-	-	-	-	-
Exports	0.8	-	-	-	0.8
Stock Changes	-	-	-	-	-
DOMESTIC SUPPLY	206.8	1.6	0.0	0.0	208.4
Available	206.8	1.6	0.0	0.0	208.4
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
FINAL CONSUMPTION	206.8	1.6	0.0	0.0	208.4
Industry	0.6	-	-	-	0.6
Non-metallic minerals	-	-	-	-	-
Machinery	0.0	-	-	-	0.0
Food, beverages and tobacco	0.5	-	-	-	0.5
Wood and wood products	-	-	-	-	-
Construction	0.0	-	-	-	0.0
Not elsewhere specified (Industry)	-	-	-	-	-
Transport	-	-	0.0	-	0.0
Road	-	-	0.0	-	0.0
Other	206.3	1.6	-	0.0	207.9
Commercial and public services	1.1	0.1	-	0.0	1.2
Residential	205.2	1.5	-	-	206.7
Agriculture/forestry/fishing	-	-	-	-	-



2024