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STATISTICAL PUBLICATION



**ENERGY BALANCE
OF GEORGIA**



NATIONAL STATISTICS OFFICE OF GEORGIA

ENERGY BALANCE OF GEORGIA

Statistical Publication

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Contents

Foreword	5
Survey program	6
I. Key indicators about Georgia	
1.1 Main facts about Georgia	7
1.2 Key economic indicators about Georgia	7
1.3 Hydro and Thermal Power Plants operating in Georgia	8
1.4 Small Hydro Power Plants operating in Georgia	9
II. Energy Balance of Georgia	
2.1 Aggregated energy balance of Georgia.....	10
2.2 Electricity and heat.....	18
2.3 Natural gas	25
2.4 Coal	32
2.5 Oil and oil products	36
2.6 Biofuel and waste	46

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 2020 year.

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

2020 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 2021. 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 2020 the survey covered non-financial corporations and households. Only enterprises from agriculture, industry, construction and transport sectors were investigated from non-financial corporations and for formation of data from other sectors (service sector) expert assessment method was used. In the household sector the data were collected by face-to-face interviewing method, while in other sectors data collection was primarily carried out by means of online questionnaire, however the respondents were able to use other alternative means (paper questionnaire, electronic questionnaire in excel format, fax, etc.).

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	3 728.6 thousand persons (01.01.2021)
Density	65.1 persons/km ² ¹
Capital	Tbilisi
Official languages	Georgian
Currency	Georgian lari (GEL)

1.2 Key economic indicators about Georgia, 2020

Indicators	2020
GDP at current prices, mil. GEL	49 266.7
GDP at constant 2010 prices, mil. GEL	37 573.7
DGP real growth, percentage	-6.8
GDP per capita (at current prices), USD	4 255.7
Unemployment rate, percentage	18.5
CPI (Inflation), Annual Average to the Annual Average	105.2
Foreign Direct Investments, Mil. USD	572.0
External Trade (FOB), Mil. USD	3 343.4
Import (CIF), Mil. USD	8 052.9

¹ The controlled area is in use - 57 178.7 km²

1.3 Hydro and Thermal Power Plants operating in Georgia, 2020

	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	40.32
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)	259.41
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, 2020

1	Alazanhesi
2	Bzhuzhahesi
3	Abhesi
4	Tetrikhevhesi
5	Sionhesi
6	Ritseulahesi
7	Chalahesi
8	Chkhorhesi
9	Dashbashihesi
10	Mashaverahesi
11	Kabalhesi
12	Kakharetihesi
13	Intsobahesi
14	Kazbegihesi
15	Energetiki hesi
16	Machakhelahesi
17	Misaktsielhesi
18	Skurhesi
19	Khertvisihesi
20	Kinkishahesi
21	Achihesi
22	Igoetihsesi
23	Sanaliahesi
24	Shaqshaqetihsesi
25	Marneulihsesi
26	Nabeghlavihsesi
27	Kheorhesi
28	Bodornahesi
29	Orohesi
30	Ghoshahesi
31	Sashualahesi 2
32	Iparihesi
33	Saguramohehi
34	Rustavihesi
35	Sulorhesi
36	Okamihesi
37	Lopotahesi
38	Zvaretihsesi
39	Tirifonhesi
40	Pantianihsesi
41	Pshavelahesi
42	Khadorhesi-2
43	Khanhesi
44	Racha hesi
45	Dagvahesi
46	Alazanhesi-2
47	Shildahehi
48	Bakhvihsesi-3
49	Aragvihsesi
50	Akhmetahehi
51	Kazretihsesi
52	Pshavelahesi (Stori power)
53	Martkopihsesi
54	Algetahesi
55	Debedahehi
56	Maksaniahehi
57	Kintrishahesi
58	Shildahehi 1
59	Kasletihsesi 2
60	Jonoulihsesi 1
61	Avanihsesi
62	Skurdihsesi
63	Aragvihsesi 2
64	Khelrahehi

Source: Electricity Market Operator (ESCO)

AGGREGATED ENERGY BALANCE OF GEORGIA, 2020

(TJ)

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind, etc.	Biofuel & Waste	Electricity	Heat	Total
Production	1 688.7	1 330.0	-	320.5	-	29 693.5	1 111.5	9 536.5	-	-	43 680.6
Imports	7 348.5	177.0	57 697.0	97 050.4	-	-	-	-	6 162.8	-	168 435.7
Exports	9.4	-	679.4	-	-	-	-	0.7	920.2	-	1 609.7
International Marine Bunkers	-	-	163.2	-	-	-	-	-	-	-	163.2
International Aviation Bunkers	-	-	2 376.7	-	-	-	-	-	-	-	2 376.7
Stock Changes	-100.0	79.7	-1 045.4	-	-	-	-	-	-	-	-1 065.6
DOMESTIC SUPPLY	8 927.8	1 586.7	53 432.2	97 370.9	-	29 693.5	1 111.5	9 535.8	5 242.7	-	206 901.1
Available	8 927.8	1 586.7	54 985.5	97 370.9	-	29 693.5	1 111.5	9 535.8	45 418.0	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0
Transformation Sector - Input	-	1 586.7	-	21 775.8	-	29 693.5	326.8	-	-	-	53 382.9
MA Thermal Electricity Plants	-	-	-	21 775.8	-	-	-	-	-	-	21 775.8
MA Hydro Electricity Plants	-	-	-	-	-	29 693.5	-	-	-	-	29 693.5
MA Heat Plants	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	1 586.7	-	-	-	-	-	-	-	-	1 586.7
Wind Plants	-	-	-	-	-	-	326.9	-	-	-	326.9
Transformation Sector - Production	-	-	1 553.3	-	-	-	-	-	40 175.3	-	41 728.6
MA Thermal Electricity Plants	-	-	-	-	-	-	-	-	10 154.9	-	10 154.9
MA Hydro Electricity Plants	-	-	-	-	-	-	-	-	29 693.5	-	29 693.5
MA Heat Plants	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	1 553.3	-	-	-	-	-	-	-	1 553.3
Wind Plants	-	-	-	-	-	-	-	-	326.9	-	326.9

ENERGY BALANCE OF GEORGIA, 2020

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind, etc.	Biofuel & Waste	Electricity	Heat	Total
Energy Sector	8.4	-	-	-	-	-	-	-	896.8	-	905.1
Coal Mines	8.4	-	-	-	-	-	-	-	44.6	-	53.0
Oil and Gas Extraction	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	-	-	-	-	-	-	-	-	-
Own Use in Thermal Electricity Plants	-	-	-	-	-	-	-	-	395.6	-	395.6
Own Use in Hydro Electricity Plants	-	-	-	-	-	-	-	-	456.1	-	456.1
Used for Pumped Storage	-	-	-	-	-	-	-	-	-	-	-
Non-specified (Energy)	-	-	-	-	-	-	-	-	0.4	-	0.4
Losses	-	-	-	3 226.6	-	-	63.2	-	3 195.7	-	6 485.5
FINAL CONSUMPTION	8 919.5	-	54 985.5	72 368.5	-	-	721.4	9 535.8	41 325.5	-	187 856.1
Industry	8 913.7	-	3 885.3	8 704.8	-	-	-	39.1	11 255.0	-	32 798.0
Iron and steel	3 791.2	-	6.3	768.9	-	-	-	-	6 262.2	-	10 828.6
Chemical (including petrochemical)	-	-	0.0	3 770.9	-	-	-	-	1 072.4	-	4 843.4
Non-ferrous metals	-	-	...	-	-	-	-	-	...	-	-
Non-metallic minerals	5 086.6	-	9.6	1 149.0	-	-	-	1.2	1 097.6	-	7 344.0
Transport equipment	-	-	-	1.8	-	-	-	-	22.0	-	23.7
Machinery	-	-	-	26.3	-	-	-	0.3	51.5	-	78.1
Mining and quarrying ¹	-	-	1 011.3	65.8	-	-	-	-	455.8	-	1 532.9
Food, beverages and tobacco	35.3	-	21.1	1 714.8	-	-	-	33.4	887.4	-	2 692.1
Paper, pulp and printing	-	-	0.0	93.2	-	-	-	-	50.4	-	143.6
Wood and wood products	0.6	-	-	9.1	-	-	-	3.8	19.8	-	33.3
Construction	-	-	2 833.5	1 031.8	-	-	-	0.4	424.1	-	4 289.8

¹ Including non-ferrous metals

ENERGY BALANCE OF GEORGIA, 2020

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind, etc.	Biofuel & Waste	Electricity	Heat	Total
Textiles and leather	-	-	-	20.7	-	-	-	-	37.4	-	58.1
Not elsewhere specified (Industry)	-	-	3.4	52.6	-	-	-	-	874.4	-	930.5
Transport	-	-	44 297.3	10 965.1	-	-	-	4.5	852.1	-	56 119.0
International aviation	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	4.5	-	-	-	-	-	-	-	4.5
Road	-	-	43.905.5	4 869.9	-	-	-	4.5	-	-	48 779.9
Rail	-	-	85.6	-	-	-	-	-	764.6	-	850.3
Domestic navigation	-	-	9.2	-	-	-	-	-	-	-	9.2
Pipeline transport	-	-	292.6	6 095.2	-	-	-	-	71.6	-	6 459.4
Not elsewhere specified (Transport)	-	-	-	-	-	-	-	-	15.8	-	15.8
Other	5.7	-	725.0	46 309.7	-	-	721.4	9 492.2	29 218.3	-	86 472.3
Commercial and public services	-	-	9.1	6 375.2	-	-	409.8	1.2	10 494.0	-	17 289.3
Residential	2.6	-	404.8	39 562.4	-	-	268.9	9 484.7	9 234.0	-	58 957.4
Agriculture/forestry/fishing	3.1	-	311.1	372.1	-	-	42.7	6.2	301.7	-	1 036.9
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	9 188.6	-	9 188.6
Non-energy use	-	-	6 077.8	6 388.9	-	-	-	-	-	-	12 466.7
Transformation sector	-	-	-	-	-	-	-	-	-	-	-
Energy sector	-	-	24.7	-	-	-	-	-	-	-	24.7
Transport sector	-	-	784.5	-	-	-	-	-	-	-	784.5
International aviation	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	779.4	-	-	-	-	-	-	-	779.4
Rail	-	-	5.1	-	-	-	-	-	-	-	5.1
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-

ENERGY BALANCE OF GEORGIA, 2020

	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	-	-	5 262.3	6 388.9	-	-	-	-	-	-	11 651.2
Iron and steel	-	-	4.5	-	-	-	-	-	-	-	4.5
Chemical (including petrochemical)	-	-	241.0	6 388.9	-	-	-	-	-	-	6 629.9
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	742.2	-	-	-	-	-	-	-	742.2
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	0.0	-	-	-	-	-	-	-	0.0
Mining and quarrying ²	-	-	106.0	-	-	-	-	-	-	-	106.0
Food, beverages and tobacco	-	-	0.1	-	-	-	-	-	-	-	0.1
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	4 162.4	-	-	-	-	-	-	-	4 162.4
Textiles and leather	-	-	0.0	-	-	-	-	-	-	-	0.0
Not elsewhere specified (Industry)	-	-	6.1	-	-	-	-	-	-	-	6.1
Other sectors	-	-	6.3	-	-	-	-	-	-	-	6.3
Commercial and public services	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry/fishing	-	-	6.3	-	-	-	-	-	-	-	6.3
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-

² Including non-ferrous metals-

AGGREGATED ENERGY BALANCE OF GEORGIA, 2020

(Thousand tonnes of oil equivalent)

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind etc.	Biofuel & Waste	Electricity	Heat	Total
Production	40.3	31.8	-	7.7	-	709.2	26.5	227.8	-	-	1 043.3
Imports	175.5	4.2	1 378.1	2 318.0	-	-	-	-	147.2	-	4 023.0
Exports	0.2	-	16.2	-	-	-	-	0.0	22.0	-	38.4
International Marine Bunkers	-	-	3.9	-	-	-	-	-	-	-	3.9
International Aviation Bunkers	-	-	56.8	-	-	-	-	-	-	-	56.8
Stock Changes	-2.4	1.9	-25.0	-	-	-	-	-	-	-	-25.5
DOMESTIC SUPPLY	213.2	37.9	1 276.2	2 325.7	-	709.2	26.5	227.8	125.2	-	4 941.7
Available	213.2	37.9	1 313.3	2 325.7	-	709.2	26.5	227.8	1 084.8	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0
Transformation Sector - Input	-	37.9	-	520.1	-	709.2	7.8	-	-	-	1 275.0
MA Thermal Electricity Plants	-	-	-	520.1	-	-	-	-	-	-	520.1
MA Hydro Electricity Plants	-	-	-	-	-	709.2	-	-	-	-	709.2
MA Heat Plants	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	37.9	-	-	-	-	-	-	-	-	37.9
Wind Plants	-	-	-	-	-	-	7.8	-	-	-	7.8
Transformation Sector – Production	-	-	37.1	-	-	-	-	-	959.6	-	996.7
MA Thermal Electricity Plants	-	-	-	-	-	-	-	-	242.5	-	242.5
MA Hydro Electricity Plants	-	-	-	-	-	-	-	-	709.2	-	709.2
MA Heat Plants	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	37.1	-	-	-	-	-	-	-	37.1
Wind Plants	-	-	-	-	-	-	-	-	7.8	-	7.8

ENERGY BALANCE OF GEORGIA, 2020

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind etc.	Biofuel & Waste	Electricity	Heat	Total
Energy Sector	0.2	-	-	-	-	-	-	-	21.4	-	21.6
Coal Mines	0.2	-	-	-	-	-	-	-	1.1	-	1.3
Oil and Gas Extraction	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	-	-	-	-	-	-	-	-	-
Own Use in Thermal Electricity Plants	-	-	-	-	-	-	-	-	9.5	-	9.5
Own Use in Hydro Electricity Plants	-	-	-	-	-	-	-	-	10.9	-	10.9
Used for Pumped Storage	-	-	-	-	-	-	-	-	-	-	-
Non-specified (Energy)	-	-	-	-	-	-	-	-	0.0	-	0.0
Losses	-	-	-	77.1	-	-	1.5	-	76.3	-	154.9
FINAL CONSUMPTION	213.0	-	1 313.3	1 728.5	-	-	17.2	227.8	987.0	-	4 486.9
Industry	212.9	-	92.8	207.9	-	-	-	0.9	268.8	-	783.3
Iron and steel	90.6	-	0.1	18.4	-	-	-	-	149.6	-	258.6
Chemical (including petrochemical)	-	-	0.0	90.1	-	-	-	-	25.6	-	115.7
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	121.5	-	0.2	27.4	-	-	-	0.0	26.2	-	175.4
Transport equipment	-	-	-	0.0	-	-	-	-	0.5	-	0.6
Machinery	-	-	0.0	0.6	-	-	-	0.0	1.2	-	1.9
Mining and quarrying ³	-	-	24.2	1.6	-	-	-	-	10.9	-	36.6
Food, beverages and tobacco	0.8	-	0.5	41.0	-	-	-	0.8	21.2	-	64.3
Paper, pulp and printing	-	-	0.0	2.2	-	-	-	-	1.2	-	3.4
Wood and wood products	0.0	-	-	0.2	-	-	-	0.1	0.5	-	0.8
Construction	-	-	67.7	24.6	-	-	-	0.0	10.1	-	102.5
Textiles and leather	-	-	-	0.5	-	-	-	-	0.9	-	1.4
Not elsewhere specified (Industry)	-	-	0.1	1.3	-	-	-	-	20.9	-	22.2

³ Including non-ferrous metals

ENERGY BALANCE OF GEORGIA, 2020

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind etc.	Biofuel & Waste	Electricity	Heat	Total
Transport	-	-	1 058.0	261.9	-	-	-	0.1	20.4	-	1 340.4
International aviation	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	0.1	-	-	-	-	-	-	-	0.1
Road	-	-	1 048.7	116.3	-	-	-	0.1	-	-	1 165.1
Rail	-	-	2.0	-	-	-	-	-	18.3	-	20.3
Domestic navigation	-	-	0.2	-	-	-	-	-	-	-	0.2
Pipeline transport	-	-	7.0	145.6	-	-	-	-	1.7	-	154.3
Not elsewhere specified (Transport)	-	-	-	-	-	-	-	-	0.4	-	0.4
Other	0.1	-	17.3	1 106.1	-	-	17.2	226.7	697.9	-	2 065.4
Commercial and public services	-	-	0.2	152.3	-	-	9.8	0.0	250.6	-	412.9
Residential	0.1	-	9.7	944.9	-	-	6.4	226.5	220.6	-	1 408.2
Agriculture/forestry/fishing	0.1	-	7.4	8.9	-	-	1.0	0.1	7.2	-	24.7
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	219.5	-	219.5
Non-energy use	-	-	145.2	152.6	-	-	-	-	-	-	297.8
Transformation sector	-	-	-	-	-	-	-	-	-	-	-
Energy sector	-	-	0.6	-	-	-	-	-	-	-	0.6
Transport sector	-	-	18.7	-	-	-	-	-	-	-	18.7
International aviation	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	18.6	-	-	-	-	-	-	-	18.6
Rail	-	-	0.1	-	-	-	-	-	-	-	0.1
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Transport)	-	-	-	-	-	-	-	-	-	-	-

ENERGY BALANCE OF GEORGIA, 2020

	Coal	Crude Oil	Oil products	Natural Gas	Nuclear	Hydro	Geothermal, solar, wind etc.	Biofuel & Waste	Electricity	Heat	Total
Industry sector	-	-	125.7	152.6	-	-	-	-	-	-	278.3
Iron and steel	-	-	0.1	-	-	-	-	-	-	-	0.1
Chemical (including petrochemical)	-	-	5.8	152.6	-	-	-	-	-	-	158.4
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	17.7	-	-	-	-	-	-	-	17.7
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	0.0	-	-	-	-	-	-	-	0.0
Mining and quarrying ⁴	-	-	2.5	-	-	-	-	-	-	-	2.5
Food, beverages and tobacco	-	-	0.0	-	-	-	-	-	-	-	0.0
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	99.4	-	-	-	-	-	-	-	99.4
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	-	0.1	-	-	-	-	-	-	-	0.1
Other sectors	-	-	0.1	-	-	-	-	-	-	-	0.1
Commercial and public services	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry/fishing	-	-	0.1	-	-	-	-	-	-	-	0.1
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-

⁴ Including non-ferrous metals



**ELECTRICITY
AND HEAT**

SUPPLY AND CONSUMPTION OF ELECTRICITY AND HEAT, 2020

	Hydro (GWh)	Wind	Geothermal (TJ)	Solar (TJ)	Electricity (GWh)
Production	8 248.2	90.8	653.8	130.8	11 159.8
Imports	-	-	-	-	1 711.9
Exports	-	-	-	-	255.6
Stock Changes	-	-	-	-	-
DOMESTIC SUPPLY	8 248.2	90.8	653.8	130.8	12 616.1
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	8 248.2	90.8	-	-	-
MA Hydro Electricity Plants	8 248.2	-	-	-	-
Wind Plants	-	90.8	-	-	-
Transformation Sector - Production	-	-	-	-	11 159.8
MA Thermal Electricity Plants	-	-	-	-	2 820.8
MA Hydro Electricity Plants	-	-	-	-	8 248.2
Wind Plants	-	-	-	-	90.8
Energy Sector	-	-	-	-	249.1
Coal Mines	-	-	-	-	12.4
Own Use in Thermal Electricity Plants	-	-	-	-	109.9
Own Use in Hydro Electricity Plants	-	-	-	-	126.7
Other	-	-	-	-	0.1
Losses	-	-	63.2	-	887.7
FINAL CONSUMPTION	-	-	590.6	130.8	11 479.3
Industry	-	-	-	-	3 126.4
Iron and steel	-	-	-	-	1 739.5
Chemical (including petrochemical)	-	-	-	-	297.9
Non-ferrous metals	-	-	-	-	...
Non-metallic minerals	-	-	-	-	304.9
Transport equipment	-	-	-	-	6.1
Machinery	-	-	-	-	14.3
Mining and quarrying ¹	-	-	-	-	126.6
Food, beverages and tobacco	-	-	-	-	246.5
Paper, pulp and printing	-	-	-	-	14.0
Wood and wood products	-	-	-	-	5.5
Construction	-	-	-	-	117.8
Textiles and leather	-	-	-	-	10.4
Not elsewhere specified (Industry)	-	-	-	-	242.9

¹Including non-ferrous metals

ELECTRICITY AND HEAT

	Hydro (GWh)	Wind	Geothermal (TJ)	Solar (TJ)	Electricity (GWh)
Transport	-	-	-	-	236.7
Rail	-	-	-	-	212.4
Pipeline transport	-	-	-	-	19.9
Other	-	-	-	-	4.4
Other	-	-	590.6	130.8	8 116.2
Commercial and public services	-	-	282.7	127.1	2 915.0
Residential	-	-	265.2	3.7	2 565.0
Agriculture/forestry/fishing	-	-	42.7	-	83.8
Not elsewhere specified (Other)	-	-	-	-	2 552.4

SUPPLY AND CONSUMPTION OF ELECTRICITY AND HEAT, 2020
(TJ)

	Hydro	Wind	Geothermal	Solar	Electricity	Total
Production	29 693.5	326.9	653.8	130.8	-	30 805.0
Imports	-	-	-	-	6 162.8	6 162.8
Exports	-	-	-	-	920.2	920.0
Stock Changes	-	-	-	-	-	-
DOMESTIC SUPPLY	29 693.5	326.9	653.8	130.8	5 242.7	36 047.7
Available	29 693.5	326.9	653.8	130.8	45 418.0	-
Transfers	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	29 693.5	326.9	-	-	-	30 020.4
MA Hydro Electricity Plants	29 693.5	-	-	-	-	29 693.5
Wind Plants	-	326.9	-	-	-	326.9
Transformation Sector - Production	-	-	-	-	40 175.3	40 175.3
MA Thermal Electricity Plants	-	-	-	-	10 154.9	10 154.9
MA Hydro Electricity Plants	-	-	-	-	29 693.5	29 693.5
Wind Plants	-	-	-	-	326.9	326.9
Energy Sector	-	-	-	-	896.8	896.8
Coal Mines	-	-	-	-	44.6	44.6
Own Use in Thermal Electricity Plants	-	-	-	-	395.6	395.6
Own Use in Hydro Electricity Plants	-	-	-	-	456.1	456.1
Other	-	-	-	-	0.4	0.4
Losses	-	-	63.2	-	3 195.7	3 258.9
FINAL CONSUMPTION	-	-	590.6	130.8	41 325.5	42 046.9
Industry	-	-	-	-	11 255.0	11 255.0
Iron and steel	-	-	-	-	6 262.2	6 262.2
Chemical (including petrochemical)	-	-	-	-	1 072.4	1 072.4
Non-ferrous metals	-	-	-	-
Non-metallic minerals	-	-	-	-	1 097.6	1 097.6
Transport equipment	-	-	-	-	22.0	22.0
Machinery	-	-	-	-	51.5	51.5
Mining and quarrying ²	-	-	-	-	455.8	455.8
Food, beverages and tobacco	-	-	-	-	887.4	887.4
Paper, pulp and printing	-	-	-	-	50.4	50.4
Wood and wood products	-	-	-	-	19.8	19.8
Construction	-	-	-	-	424.1	424.1
Textiles and leather	-	-	-	-	37.4	37.4
Not elsewhere specified (Industry)	-	-	-	-	874.4	874.4

²Including non-ferrous metals

ELECTRICITY AND HEAT

	Hydro	Wind	Geothermal	Solar	Electricity	Total
Transport	-	-	-	-	852.1	852.1
Rail	-	-	-	-	764.6	764.6
Pipeline transport	-	-	-	-	71.6	71.6
Other	-	-	-	-	15.8	15.8
Other	-	-	590.6	130.8	29 218.3	29 939.7
Commercial and public services	-	-	282.7	127.1	10 494.0	10 903.8
Residential	-	-	265.2	3.7	9 234.0	9 502.9
Agriculture/forestry/fishing	-	-	42.7	-	301.7	344.4
Not elsewhere specified (Other)	-	-	-	-	9 188.6	9 188.6

SUPPLY AND CONSUMPTION OF ELECTRICITY AND HEAT, 2020
(Thousand tonnes of oil equivalent)

	Hydro	Wind	Geothermal	Solar	Electricity	Total
Production	709.2	7.8	15.6	3.1	-	735.8
Imports	-	-	-	-	147.2	147.2
Exports	-	-	-	-	22.0	22.0
Stock Changes	-	-	-	-	-	-
DOMESTIC SUPPLY	709.2	7.8	15.6	3.1	125.2	861.0
Available	709.2	7.8	15.6	3.1	1 084.8	-
Transfers	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	709.2	7.8	-	-	-	717.0
MA Hydro Electricity Plants	709.2	-	-	-	-	709.2
Wind Plants	-	7.8	-	-	-	7.8
Transformation Sector - Production	-	-	-	-	959.6	959.6
MA Thermal Electricity Plants	-	-	-	-	242.5	242.5
MA Hydro Electricity Plants	-	-	-	-	709.2	709.2
Wind Plants	-	-	-	-	7.8	7.8
Energy Sector	-	-	-	-	21.4	21.4
Coal Mines	-	-	-	-	1.1	1.1
Own Use in Thermal Electricity Plants	-	-	-	-	9.5	9.5
Own Use in Hydro Electricity Plants	-	-	-	-	10.9	10.9
Other	-	-	-	-	0.0	0.0
Losses	-	-	1.5	-	76.3	77.8
FINAL CONSUMPTION	-	-	14.1	3.1	987.0	1 004.3
Industry	-	-	-	-	268.8	268.8
Iron and steel	-	-	-	-	149.6	149.6
Chemical (including petrochemical)	-	-	-	-	25.6	25.6
Non-ferrous metals	-	-	-	-
Non-metallic minerals	-	-	-	-	26.2	26.2
Transport equipment	-	-	-	-	0.5	0.5
Machinery	-	-	-	-	1.2	1.2
Mining and quarrying ³	-	-	-	-	10.9	10.9
Food, beverages and tobacco	-	-	-	-	21.2	21.2
Paper, pulp and printing	-	-	-	-	1.2	1.2
Wood and wood products	-	-	-	-	0.5	0.5
Construction	-	-	-	-	10.1	10.1
Textiles and leather	-	-	-	-	0.9	0.9
Not elsewhere specified (Industry)	-	-	-	-	20.9	20.9

³Including non-ferrous metals

ELECTRICITY AND HEAT

	Hydro	Wind	Geothermal	Solar	Electricity	Total
Transport	-	-	-	-	20.4	20.4
Rail	-	-	-	-	18.3	18.3
Pipeline transport	-	-	-	-	1.7	1.7
Other	-	-	-	-	0.4	0.4
Other	-	-	14.1	3.1	697.9	715.1
Commercial and public services	-	-	6.8	3.0	250.6	260.4
Residential	-	-	6.3	0.1	220.6	227.0
Agriculture/forestry/fishing	-	-	1.0	-	7.2	8.2
Not elsewhere specified (Other)	-	-	-	-	219.5	219.5



NATURAL GAS

SUPPLY AND CONSUMPTION OF NATURAL GAS, 2020

	Natural Gas (mil. m ³)
Production	8.9
Imports	2 690.8
Exports	-
Stock Changes	-
DOMESTIC SUPPLY	2 699.7
Transfers	-
Statistical Differences	0.0
Transformation Sector - Input	603.8
MA Thermal Electricity Plants	603.8
MA Hydro Electricity Plants	-
MA Heat Plants	-
Petroleum Refineries	-
Losses	89.5
FINAL CONSUMPTION	2 006.5
Industry	241.4
Iron and steel	21.3
Chemical (including petrochemical)	104.6
Non-ferrous metals	...
Non-metallic minerals	31.9
Transport equipment	0.0
Machinery	0.7
Mining and quarrying ¹	1.8
Food, beverages and tobacco	47.5
Paper, pulp and printing	2.6
Wood and wood products	0.3
Construction	28.6
Textiles and leather	0.6
Not elsewhere specified (Industry)	1.5
Transport	304.0
Road	135.0
Pipeline transport	169.0

¹ Including non-ferrous metals

NATURAL GAS

	Natural Gas (mil. m ³)
Other	1 284.0
Commercial and public services	176.8
Residential	1 096.9
Agriculture/forestry/fishing	10.3
other	-
Non-energy use	177.1
Industry sector	177.1
Chemical (including petrochemical)	177.1

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

SUPPLY AND CONSUMPTION OF NATURAL GAS, 2020

(TJ)

	Natural Gas
Production	320.5
Imports	97 050.4
Exports	-
Stock Changes	-
DOMESTIC SUPPLY	97 370.9
Available	97 370.9
Transfers	-
Statistical Differences	-
Transformation Sector - Input	21 775.8
MA Thermal Electricity Plants	21 775.8
MA Hydro Electricity Plants	-
MA Heat Plants	-
Petroleum Refineries	-
Losses	3 226.6
FINAL CONSUMPTION	72 368.5
Industry	8 704.8
Iron and steel	768.9
Chemical (including petrochemical)	3 770.9
Non-ferrous metals	...
Non-metallic minerals	1 149.0
Transport equipment	1.8
Machinery	26.3
Mining and quarrying ²	65.8
Food, beverages and tobacco	1 714.8
Paper, pulp and printing	93.2
Wood and wood products	9.1
Construction	1 031.8
Textiles and leather	20.7
Not elsewhere specified (Industry)	52.6
Transport	10 965.1
Road	4 869.9
Pipeline transport	6 095.2

² Including non-ferrous metals

NATURAL GAS

	Natural Gas
Other	46 309.7
Commercial and public services	6 375.2
Residential	39 562.4
Agriculture/forestry/fishing	372.1
Not elsewhere specified (Other)	-
Non-energy use	6 388.9
Industry sector	6 388.9
Chemical (including petrochemical)	6 388.9

SUPPLY AND CONSUMPTION OF NATURAL GAS, 2020

(Thousand tonnes of oil equivalent)

	Natural Gas
Production	7.7
Imports	2 318.0
Exports	-
Stock Changes	-
DOMESTIC SUPPLY	2 325.7
Available	2 325.7
Transfers	-
Statistical Differences	-
Transformation Sector - Input	520.1
MA Thermal Electricity Plants	520.1
MA Hydro Electricity Plants	-
MA Heat Plants	-
Petroleum Refineries	-
Losses	77.1
FINAL CONSUMPTION	1 728.5
Industry	207.9
Iron and steel	18.4
Chemical (including petrochemical)	90.1
Non-ferrous metals	...
Non-metallic minerals	27.4
Transport equipment	0.0
Machinery	0.6
Mining and quarrying ³	1.6
Food, beverages and tobacco	41.0
Paper, pulp and printing	2.2
Wood and wood products	0.2
Construction	24.6
Textiles and leather	0.5
Not elsewhere specified (Industry)	1.3
Transport	261.9
Road	116.3
Pipeline transport	145.6

³ Including non-ferrous metals

NATURAL GAS

	Natural Gas
Other	1 106.1
Commercial and public services	152.3
Residential	944.9
Agriculture/forestry/fishing	8.9
Not elsewhere specified (Other)	-
Non-energy use	152.6
Industry sector	152.6
Chemical (including petrochemical)	152.6



COAL

SUPPLY AND CONSUMPTION OF COAL, 2020

(Thousand tonnes)

	Anthracite	Other Bit. Coal	Lignite/ Brown Coal	Coke Oven Coke
Production	-	-	99.3	-
Imports	4.9	192.5	-	81.6
Exports	-	-	0.6	-
Stock Changes	-0.4	-15.3	-14.5	18.5
DOMESTIC SUPPLY	4.5	177.2	84.3	100.1
Transfers	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0
Transformation Sector - Input	-	-	-	-
Coal TP	-	-	-	-
Energy Sector	-	-	0.5	-
Coal Mines	-	-	0.5	-
FINAL CONSUMPTION	4.5	177.2	83.8	100.1
Industry	4.5	177.0	83.7	100.1
Iron and steel	1.5	5.8	39.3	100.1
Non-metallic minerals	1.8	171.1	44.4	-
Mining and quarrying ¹	-	-	-	-
Food, beverages and tobacco	1.2	-	-	-
Wood and wood products	-	-	0.0	-
Other	0.0	0.2	0.1	0.0
Commercial and public services	-	-	-	-
Residential	-	0.1	0.1	-
Agriculture/forestry/fishing	-	0.1	-	-

¹Including non-ferrous metals

SUPPLY AND CONSUMPTION OF COAL, 2020

(TJ)

	Anthracite	Other Bit. Coal	Lignite/ Brown Coal	Coke Oven Coke	Total
Production	-	-	1 688.7	-	1 688.7
Imports	144.0	4 811.5	-	2 393.0	7 348.5
Exports	-	-	9.4	-	9.4
Stock Changes	-11.7	-382.5	-246.5	540.8	-100.0
DOMESTIC SUPPLY	132.3	4 429.0	1 432.8	2 933.8	8 927.8
Available	132.3	4 429.0	1 432.8	2 933.8	8 927.8
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	-	-	-	-	-
Coal TP	-	-	-	-	-
Energy Sector	-	-	8.4	-	8.4
Coal Mines	-	-	8.4	-	8.4
FINAL CONSUMPTION	132.3	4 429.0	1 424.4	2 933.8	8 919.5
Industry	132.3	4 424.1	1 423.6	2 933.8	8 913.7
Iron and steel	43.2	145.6	668.6	2 933.8	3 791.2
Non-metallic minerals	53.7	4 278.5	754.4	-	5 086.6
Mining and quarrying ²	-	-	-	-	-
Food, beverages and tobacco	35.3	-	-	-	35.3
Wood and wood products	-	-	0.6	-	0.6
Other	-	4.9	0.9	-	5.7
Commercial and public services	-	-	-	-	-
Residential	-	1.8	0.9	-	2.6
Agriculture/forestry/fishing	-	3.1	-	-	3.1

²Including non-ferrous metals

SUPPLY AND CONSUMPTION OF COAL, 2020

(Thousand tonnes of oil equivalent)

	Anthracite	Other Bit. Coal	Lignite/ Brown Coal	Coke Oven Coke	Total
Production	-	-	40.3	-	40.3
Imports	3.4	114.9	-	57.2	175.5
Exports	-	-	0.2	-	0.2
Stock Changes	-0.3	-9.1	-5.9	12.9	-2.4
Domestic Supply	3.2	105.8	34.2	70.1	213.2
Available	3.2	105.8	34.2	70.1	213.2
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
Transformation Sector - Input	-	-	-	-	-
Coal TP	-	-	-	-	-
Energy Sector	-	-	0.2	-	0.2
Coal Mines	-	-	0.2	-	0.2
FINAL CONSUMPTION	3.2	105.8	34.0	70.1	213.0
Industry	3.2	105.7	34.0	70.1	212.9
Iron and steel	1.0	3.5	16.0	70.1	90.6
Non-metallic minerals	1.3	102.2	18.0	-	121.5
Mining and quarrying ³	-	-	-	-	-
Food, beverages and tobacco	0.8	-	-	-	0.8
Wood and wood products	-	-	0.0	-	0.0
Other	-	0.1	0.0	-	0.1
Commercial and public services	-	-	-	-	-
Residential	-	0.0	0.0	-	0.1
Agriculture/forestry/fishing	-	0.1	-	-	0.1

³Including non-ferrous metals



OIL AND OIL PRODUCTS

OIL AND OIL PRODUCTS

SUPPLY AND CONSUMPTION OF OIL AND OIL PRODUCTS, 2020

	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	31.3	-	-	-	-	-	-	-	-	-	-	-	-
Imports	4.2	29.2	541.8	56.6	-	557.7	9.8	0.3	-	24.9	129.5	-	0.6
Exports	-	0.0	1.3	0.0	-	4.2	-	9.1	-	2.1	0.0	-	0.0
International Marine Bunkers	-	-	-	-	-	3.8	-	-	-	-	-	-	-
International Aviation Bunkers	-	-	-	55.3	-	-	-	-	-	-	-	-	-
Stock Changes	1.9	-0.1	-6.0	-1.2	-	-17.6	-	-2.0	-	-0.2	-0.2	-	3.1
DOMESTIC SUPPLY	37.3	29.1	534.4	0.1	-	532.2	9.8	-10.8	-	22.6	129.3	-	3.8
Transfers	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	0.0
Transformation Sector - Input	37.3	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	37.3	-	-	-	-	-	-	-	-	-	-	-	-
Transformation Sector - Production	-	-	9.6	-	-	11.6	-	11.8	-	-	1.5	-	2.7
Petroleum Refineries	-	-	9.6	-	-	11.6	-	11.8	-	-	1.5	-	2.7
FINAL CONSUMPTION	-	29.1	544.1	0.1	-	543.8	9.8	1.1	-	22.6	130.8	-	6.5
Industry	-	0.1	-	-	-	89.7	0.7	0.7	-	-	-	-	-
Iron and steel	-	0.0	-	-	-	-	0.1	-	-	-	-	-	-
Chemical (including petrochemical)	-	0.0	-	-	-	-	0.0	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	0.0	-	-	-	-	0.2	0.1	-	-	-	-	-
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	-	-	-	-	-	23.7	0.0	-	-	-	-	-	-
Food, beverages and tobacco	-	0.0	-	-	-	-	0.0	0.5	-	-	-	-	-
Paper, pulp and printing	-	0.0	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	0.0	-	-	-	66.0	0.3	0.2	-	-	-	-	-
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	0.1	-	-	-	-	-	-	-	-	-	-	-
Transport	-	20.1	543.4	0.1	-	447.6	8.7	0.4	-	-	-	-	-
International aviation	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	0.1	-	-	-	-	-	-	-	-	-
Road	-	20.1	543.4	-	-	447.6	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	1.7	0.4	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	0.2	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	6.9	-	-	-	-	-	-
Other	-	8.8	0.6	-	-	6.5	0.4	-	-	-	-	-	-
Commercial and public services	-	0.0	-	-	-	-	0.2	-	-	-	-	-	-
Residential	-	8.8	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry/fishing	-	0.0	0.6	-	-	6.5	0.2	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-	-	-	-	22.6	130.8	-	6.5
Energy sector	-	-	-	-	-	-	-	-	-	0.7	-	-	-

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	-	-	-	-	-	-	-	-	-	20.6	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	20.5	-	-	-
Rail	-	-	-	-	-	-	-	-	-	0.1	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-	-	-
Industry sector	-	-	-	-	-	-	-	-	-	1.2	130.8	-	6.5
Iron and steel	-	-	-	-	-	-	-	-	-	0.1	-	-	-
Chemical (including petrochemical)	-	-	-	-	-	-	-	-	-	0.0	-	-	6.3
Non-metallic minerals	-	-	-	-	-	-	-	-	-	0.1	19.4	-	-
Machinery	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Mining and quarrying ²	-	-	-	-	-	-	-	-	-	0.8	2.0	-	0.0
Food, beverages and tobacco	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	0.1	109.5	-	-
Textiles and leather	-	-	-	-	-	-	-	-	-	0.0	-	-	-
Not elsewhere specified (Industry)	-	-	-	-	-	-	-	-	-	0.0	-	-	0.2
Other sectors	-	-	-	-	-	-	-	-	-	0.2	-	-	-
Agriculture/forestry/fishing	-	-	-	-	-	-	-	-	-	0.2	-	-	-
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-	-	-

² Including non-ferrous metals

OIL AND OIL PRODUCTS

SUPPLY AND CONSUMPTION OF OIL AND OIL PRODUCTS, 2020

(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	1 330.0	-	-	-	-	-	-	-	-	-	-	-	-	1 330.0
Imports	177.0	1 341.9	23 837.7	2 434.4	-	23 758.8	419.2	11.9	-	947.3	4 921.1	-	24.6	57 874.0
Exports	-	-	56.8	-	-	176.8	-	364.7	-	80.9	0.2	-	0.0	679.4
International Marine Bunkers	-	-	-	-	-	163.2	-	-	-	-	-	-	-	163.2
International Aviation Bunkers	-	-	-	2 376.7	-	-	-	-	-	-	-	-	-	2 376.7
Stock Changes	79.7	-5.2	-265.3	-53.1	-	-748.1	-	-79.2	-	-6.8	-6.1	-	118.4	-965.7
DOMESTIC SUPPLY	1 586.7	1 336.6	23 515.6	4.5	-	22 670.7	419.2	-432.0	-	859.6	4 914.8	-	143.0	55 018.9
Available	1 586.7	1 336.6	23 938.9	4.5	-	23 165.9	419.2	42.5	-	859.6	4 971.0	-	247.2	56 572.2
Transfers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0
Transformation Sector - Input	1 586.7	-	-	-	-	-	-	-	-	-	-	-	-	1 586.7
Petroleum Refineries	1 586.7	-	-	-	-	-	-	-	-	-	-	-	-	1 586.7
Transformation Sector - Production	-	-	423.2	-	-	495.1	-	474.6	-	-	56.2	-	104.1	1 553.3
Petroleum Refineries	-	-	423.2	-	-	495.1	-	474.6	-	-	56.2	-	104.1	1 553.3
FINAL CONSUMPTION	-	1 336.6	23 938.5	4.5	-	23 165.9	419.2	42.5	-	859.6	4 971.0	-	247.2	54 985.5
Industry	-	6.2	-	-	-	3 822.2	29.4	27.4	-	-	-	-	-	3 885.3
Iron and steel	-	0.0	-	-	-	-	6.3	-	-	-	-	-	-	6.3
Chemical (including petrochemical)	-	0.0	-	-	-	-	0.0	-	-	-	-	-	-	0.0
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	0.0	-	-	-	-	7.4	2.2	-	-	-	-	-	9.6
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 ³	-	-	-	-	-	1 010.6	0.7	-	-	-	-	-	-	1 011.3
Food, beverages and tobacco	-	1.6	-	-	-	-	0.4	19.1	-	-	-	-	-	21.1
Paper, pulp and printing	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	1.1	-	-	-	2 811.6	14.7	6.2	-	-	-	-	-	2 833.5
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	3.4	-	-	-	-	-	-	-	-	-	-	-	3.4
Transport	-	925.3	23 911.3	4.5	-	19 068.9	372.3	15.1	-	-	-	-	-	44 297.3
International aviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	4.5	-	-	-	-	-	-	-	-	-	4.5
Road	-	925.3	23 911.3	-	-	19 068.9	-	-	-	-	-	-	-	43 905.5
Rail	-	-	-	-	-	-	70.5	15.1	-	-	-	-	-	85.6
Domestic navigation	-	-	-	-	-	-	9.2	-	-	-	-	-	-	9.2
Pipeline transport	-	-	-	-	-	-	292.6	-	-	-	-	-	-	292.6
Other	-	405.1	27.6	-	-	274.8	17.6	-	-	-	-	-	-	725.0
Commercial and public services	-	0.1	-	-	-	-	8.9	-	-	-	-	-	-	9.1
Residential	-	404.8	-	-	-	-	-	-	-	-	-	-	-	404.8
Agriculture/forestry/fishing	-	0.2	27.6	-	-	274.8	8.6	-	-	-	-	-	-	311.1
Non-energy use	-	-	-	-	-	-	-	-	-	859.6	4 971.0	-	247.2	6 077.8
Energy sector	-	-	-	-	-	-	-	-	-	24.7	-	-	-	24.7

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
Transport sector	-	-	-	-	-	-	-	-	-	784.5	-	-	-	784.5
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	779.4	-	-	-	779.4
Rail	-	-	-	-	-	-	-	-	-	5.1	-	-	-	5.1
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Industry sector	-	-	-	-	-	-	-	-	-	44.1	4 971.0	-	247.2	5 262.3
Iron and steel	-	-	-	-	-	-	-	-	-	4.5	-	-	-	4.5
Chemical (including petrochemical)	-	-	-	-	-	-	-	-	-	0.0	-	-	241.0	241.0
Non-metallic minerals	-	-	-	-	-	-	-	-	-	5.6	736.6	-	-	742.2
Machinery	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Mining and quarrying ⁴	-	-	-	-	-	-	-	-	-	31.3	74.6	-	0.1	106.0
Food, beverages and tobacco	-	-	-	-	-	-	-	-	-	0.1	-	-	-	0.1
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	2.6	4 159.9	-	-	4 162.4
Textiles and leather	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Not elsewhere specified (Industry)	-	-	-	-	-	-	-	-	-	0.0	-	-	6.1	6.1
Other sectors	-	-	-	-	-	-	-	-	-	6.3	-	-	-	6.3
Agriculture/forestry/fishing	-	-	-	-	-	-	-	-	-	6.3	-	-	-	6.3
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

⁴ Including non-ferrous metals

OIL AND OIL PRODUCTS

SUPPLY AND CONSUMPTION OF OIL AND OIL PRODUCTS, 2020

(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	31.8	-	-	-	-	-	-	-	-	-	-	-	-	31.8
Imports	4.2	32.0	569.4	58.1	-	567.5	10.0	0.3	-	22.6	117.5	-	0.6	1 382.3
Exports	-	-	1.4	-	-	4.2	-	8.7	-	1.9	0.0	-	0.0	16.2
International Marine Bunkers	-	-	-	-	-	3.9	-	-	-	-	-	-	-	3.9
International Aviation Bunkers	-	-	-	56.8	-	-	-	-	-	-	-	-	-	56.8
Stock Changes	1.9	-0.1	-6.3	-1.3	-	-17.9	-	-1.9	-	-0.2	-0.1	-	2.8	-23.1
DOMESTIC SUPPLY	37.9	31.9	561.7	0.1	-	541.5	10.0	-10.3	-	20.5	117.4	-	3.4	1 314.1
Available	37.9	31.9	571.8	0.1	-	553.3	10.0	1.0	-	20.5	118.7	-	5.9	1 351.2
Transfers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0
Transformation Sector - Input	37.9	-	-	-	-	-	-	-	-	-	-	-	-	37.9
Petroleum Refineries	37.9	-	-	-	-	-	-	-	-	-	-	-	-	37.9
Transformation Sector - Production	-	-	10.1	-	-	11.8	-	11.3	-	-	1.3	-	2.5	37.1
Petroleum Refineries	-	-	10.1	-	-	11.8	-	11.3	-	-	1.3	-	2.5	37.1
FINAL CONSUMPTION	-	31.9	571.8	0.1	-	553.3	10.0	1.0	-	20.5	118.7	-	5.9	1 313.3
Industry	-	0.1	-	-	-	91.3	0.7	0.7	-	-	-	-	-	92.8
Iron and steel	-	0.0	-	-	-	-	0.1	-	-	-	-	-	-	0.1
Chemical (including petrochemical)	-	0.0	-	-	-	-	0.0	-	-	-	-	-	-	0.0
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	0.0	-	-	-	-	0.2	0.1	-	-	-	-	-	0.2
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	-	-	-	-	-	24.1	0.0	-	-	-	-	-	-	24.2
Food, beverages and tobacco	-	0.0	-	-	-	-	0.0	0.5	-	-	-	-	-	0.5
Paper, pulp and printing	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	0.0	-	-	-	67.2	0.4	0.1	-	-	-	-	-	67.7
Textiles and leather	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not elsewhere specified (Industry)	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1
Transport	-	22.1	571.1	0.1	-	455.5	8.9	0.4	-	-	-	-	-	1 058.0
International aviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	0.1	-	-	-	-	-	-	-	-	-	0.1
Road	-	22.1	571.1	-	-	455.5	-	-	-	-	-	-	-	1 048.7
Rail	-	-	-	-	-	-	1.7	0.4	-	-	-	-	-	2.0
Domestic navigation	-	-	-	-	-	-	0.2	-	-	-	-	-	-	0.2
Pipeline transport	-	-	-	-	-	-	7.0	-	-	-	-	-	-	7.0
Other	-	9.7	0.7	-	-	6.6	0.4	-	-	-	-	-	-	17.3
Commercial and public services	-	0.0	-	-	-	-	0.2	-	-	-	-	-	-	0.2
Residential	-	9.7	-	-	-	-	-	-	-	-	-	-	-	9.7
Agriculture/forestry/fishing	-	0.0	0.7	-	-	6.6	0.2	-	-	-	-	-	-	7.4
Non-energy use	-	-	-	-	-	-	-	-	-	20.5	118.7	-	5.9	145.2
Energy sector	-	-	-	-	-	-	-	-	-	0.6	-	-	-	0.6

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	-	-	-	-	-	-	-	-	-	18.7	-	-	-	18.7
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	18.6	-	-	-	18.6
Rail	-	-	-	-	-	-	-	-	-	0.1	-	-	-	0.1
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Industry sector	-	-	-	-	-	-	-	-	-	1.1	118.7	-	5.9	125.7
Iron and steel	-	-	-	-	-	-	-	-	-	0.1	-	-	-	0.1
Chemical (including petrochemical)	-	-	-	-	-	-	-	-	-	0.0	-	-	5.8	5.8
Non-metallic minerals	-	-	-	-	-	-	-	-	-	0.1	17.6	-	-	17.7
Machinery	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Mining and quarrying ⁶	-	-	-	-	-	-	-	-	-	0.7	1.8	-	0.0	2.5
Food, beverages and tobacco	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Paper, pulp and printing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	0.1	99.4	-	-	99.4
Textiles and leather	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Not elsewhere specified (Industry)	-	-	-	-	-	-	-	-	-	0.0	-	-	0.1	0.1
Other sectors	-	-	-	-	-	-	-	-	-	0.1	-	-	-	0.1
Agriculture/forestry/fishing	-	-	-	-	-	-	-	-	-	0.1	-	-	-	0.1
Not elsewhere specified (Other)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

⁶ Including non-ferrous metals



BIOFUEL AND WASTE

SUPPLY AND CONSUMPTION OF BIOFUEL AND WASTE IN PHYSICAL UNITS, 2020

	Fuel wood (1000 m ³)	Other vegetal materials and residual (1000 t)	Biodiesel (1000 t)	Charcoal (1000 t)
Production	1 212.0	9.3	0.1	0.1
Imports	-	-	-	-
Exports	0.1	-	-	-
Stock Changes	-	-	-	-
DOMESTIC SUPPLY	1 211.9	9.3	0.1	0.1
Transfers	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0
FINAL CONSUMPTION	1 211.9	9.3	0.1	0.1
Industry	4.7	0.4	-	0.0
Non-metallic minerals	0.2	-	-	-
Machinery	0.0	-	-	-
Food, beverages and tobacco	3.9	0.4	-	-
Wood and wood products	0.5	-	-	-
Construction	0.0	-	-	-
Transport	-	-	0.1	-
Road	-	-	0.1	-
Other	1 207.3	9.0	-	0.1
Commercial and public services	0.0	0.0	-	0.0
Residential	1 206.8	9.0	-	0.0
Agriculture/forestry/fishing	0.5	-	-	0.1

SUPPLY AND CONSUMPTION OF BIOFUEL AND WASTE, 2020
(TJ)

	Fuel wood	Other vegetal materials and residual	Biodiesel (1000 t)	Charcoal	Total
Production	9 453.6	74.5	4.5	3.8	9 536.5
Imports	-	-	-	-	-
Exports	0.7	-	-	-	0.7
Stock Changes	-	-	-	-	-
DOMESTIC SUPPLY	9 452.9	74.5	4.5	3.8	9 535.8
Available	9 452.9	74.5	4.5	3.8	9 535.8
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
FINAL CONSUMPTION	9 452.9	74.5	4.5	3.8	9 535.8
Industry	36.3	2.8	-	0.0	39.1
Non-metallic minerals	1.2	-	-	-	1.2
Machinery	0.3	-	-	-	0.3
Food, beverages and tobacco	30.6	2.8	-	-	33.4
Wood and wood products	3.8	-	-	-	3.8
Construction	0.4	-	-	-	0.4
Transport	-	-	4.5	-	4.5
Road	-	-	4.5	-	4.5
Other	9 416.6	71.7	-	3.9	9 492.2
Commercial and public services	0.0	0.0	-	1.2	1.2
Residential	9 413.0	71.7	-	0.0	9 484.7
Agriculture/forestry/fishing	3.6	-	-	2.6	6.2

SUPPLY AND CONSUMPTION OF BIOFUEL AND WASTE, 2020

(Thousand tonnes of oil equivalent)

	Fuel wood	Other vegetal materials and residual	Biodiesel	Charcoal	Total
Production	225.8	1.8	0.1	0.1	227.8
Imports	-	-	-	-	-
Exports	0.0	-	-	-	0.0
Stock Changes	-	-	-	-	-
DOMESTIC SUPPLY	225.8	1.8	0.1	0.1	227.8
Available	225.8	1.8	0.1	0.1	227.8
Transfers	-	-	-	-	-
Statistical Differences	0.0	0.0	0.0	0.0	0.0
FINAL CONSUMPTION	225.8	1.8	0.1	0.1	227.8
Industry	0.9	0.1	-	0.0	0.9
Non-metallic minerals	0.0	-	-	-	0.0
Machinery	0.0	-	-	-	0.0
Food, beverages and tobacco	0.7	0.1	-	-	0.8
Wood and wood products	0.1	-	-	-	0.1
Construction	0.0	-	-	-	0.0
Transport	-	-	0.1	-	0.1
Road	-	-	0.1	-	0.1
Other	224.9	1.7	-	0.1	226.7
Commercial and public services	0.0	0.0	-	0.0	0.0
Residential	224.8	1.7	-	-	226.5
Agriculture/forestry/fishing	0.1	-	-	0.1	0.1

2021