

*STATE STATISTICS SERVICE OF UKRAINE*

—

***FUEL AND ENERGY RESOURCES  
OF UKRAINE***

*STATISTICAL PUBLICATION*

2017  
*Kyiv 2017*

STATE STATISTICS SERVICE OF UKRAINE

Trade Statistics Department

Edited by **A. Fryzorenko**

Responsible for edition **V. Bogok**

This publication contains data on activity results of enterprises and organizations concerning extraction, production, transformation and final consumption of fuel and energy resources in Ukraine. It is considerate for a wide range of users.

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: 287-14-11

[office@ukrstat.gov.ua](mailto:office@ukrstat.gov.ua)

- : [www.ukrstat.gov.ua](http://www.ukrstat.gov.ua)

: 01601, . , .  
4-6, . 413, 419  
./ : 287-03-79, 287-77-62  
: [office@dstati.kiev.ua](mailto:office@dstati.kiev.ua)

address: 3, Shota Rustaveli str., Kyiv-23,  
01601, Ukraine

telephone: 287-14-11, 287-36-81

fax: 287-14-11

e-mail: [office@ukrstat.gov.ua](mailto:office@ukrstat.gov.ua)

Web-site: [www.ukrstat.gov.ua](http://www.ukrstat.gov.ua)

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State Statistics Service of Ukraine  
Derzhanalitinform**

address: office 413, 419, 4-6, Esplanadna  
str., Kyiv-601, 01601, Ukraine

telephone/fax: 287-03-79, 289-77-62

e-mail: [office@dstati.kiev.ua](mailto:office@dstati.kiev.ua)

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## Foreword

The publication "Fuel and energy resources of Ukraine" contains statistical data that show the activity outcome of enterprises and organizations of all economic activities concerned with mining, production, transformation and final consumption of energy resources in 2015-2016 in Ukraine.

Significant place in the publication is given to statistical data on the enterprises and organizations use of energy resources in the reference directions of consumption.

Presented information about: generation and utilization of secondary energy resources; energy losses in transportation, distribution and storage.

Shown the weights' values for fuel and energy use on production the energy-using products.

Part 1 is supplemented with tables of statistics in form of balances for individual fuels and graphic information on time series data of energy balances for 2007-2016.

Information is provided by regions of Ukraine and types of economic activities.

The last part of the publication also contains methodological notes on some statistical indicators.

Information presented and calculated in this issue given according to the 2015-2016 statistics observation results and exclude data from temporarily occupied territories of Autonomous Republic of Crimea, Sebastopol and part of the anti-terrorist operation zone.

State Statistics Service of Ukraine

### Conventional symbols used in publication

Dash (.) . not observed

Zero (0) . data are very low for used units of measure

tsc . tonnes of standard coals

toe . tonnes of oil equivalent

There are cases when all components of the total sum are given, however when rounding the sum of the components does not equal the total.

.....	3
<b>1.</b>	
1.1. ....	10
1.2. ( ..... ).....	14
1.3. õ õ õ õ õ õ .....	22
1.4. ....	22
1.5. ....	23
1.6. ....	23
1.7. ....	24
1.8. ....	24
1.9. ....	25
1.10. ....	26
1.11. ' ..... õ õ õ õ õ õ õ .....	27
1.12. , ..... õ	27
1.13. , ..... õ	27
1.14. õ õ .õ õ	28
1.15. ....	28
1.16. ....	29
1.17. ....	30
1.18. ....	31
1.19. õ	32
1.20. õ	33
1.21. õ	34
1.22. õ	38
<b>2.</b>	
2.1. ....	42
2.2. ....	46
2.3. ....	48
2.4. ....	50
2.5. ( ..... ) .....	52
2.6. ....	54
2.7. - .....	56
2.8. - .....	58
2.9. - .....	60
<b>3.</b>	
3.1. , .....	63
3.2. ....	66
3.2.1. q õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ	69



## Contents

<b>Foreword.....</b>	<b>3</b>
<b>1. Energy balance of Ukraine</b>	
1.1. Energy balance of Ukraine.....	10
1.2. Energy balance (product) of Ukraine.....	14
1.3. Total primary energy production by energy sources.....	22
1.4. Total primary energy supply by energy sources.....	22
1.5. Shares of own production of energy resources in Ukraine.....	23
1.6. Total supply of oil products .....	23
1.7. Energy net import.....	24
1.8. Energy supply and final consumption.....	24
1.9. Total primary energy supply by energy sources.....	25
1.10. Fuel and energy shares in total final consumption.....	26
1.11. Output of coal of hard, by regions.....	27
1.12. Output of crude oil including oil obtained from bituminous mineral, by regions.....	27
1.13. Output of Natural Gas Liquids obtained from natural gas fields, by regions.....	27
1.14. Output of natural gas, liquified or gaseous, by regions.....	28
1.15. Output of electricity, by type of power plants.....	28
1.16. Output of electricity, by regions.....	29
1.17. Generating Sources Distribution of Electricity by regions.....	30
1.18. Generating Sources Distribution of Heating Energy by regions.....	31
1.19. Capacity of power plants by regions.....	32
1.20. Setted Capacity of generating power plants by the types of power plants.....	33
1.21. Electricity in use.....	34
1.22. Heat in use.....	38
<b>2. The main ways of fuel use in regions</b>	
2.1. Ukraine.....	42
2.2. Coal consumption by Regions.....	46
2.3. Natural Gas consumption by Regions.....	48
2.4. Motor Gasoline consumption by Regions.....	50
2.5. Road Diesel Consumption by Regions.....	52
2.6. Heavy Fuel Oil Consumption by Regions.....	54
2.7. Fuel Consumption by Regions.....	56
2.8. Heating Consumption by Regions.....	58
2.9. Electricity Consumption by Regions.....	60
<b>3. The main ways of fuel use by the types of economic</b>	
3.1. Agriculture, Forestry and Fishing.....	63
3.2. Industry.....	66
3.2.1. Mining and Quarrying.....	69
3.2.1.1. Mining of coal and lignite.....	72
3.2.1.2. Extraction of crude petroleum and natural gas.....	75
3.2.1.3. Mining of metal ores.....	78

3.2.1.4.	Other mining and quarrying	81
3.2.1.5.	Mining support service activities	84
3.2.2.	Manufacturing	87
3.2.2.1.	Manufacture of food	90
3.2.2.2.	Manufacture of beverages	93
3.2.2.3.	Manufacture of tobacco products	96
3.2.2.4.	Manufacture of textiles	99
3.2.2.5.	Manufacture of wearing apparel	102
3.2.2.6.	Manufacture of leather and related products	105
3.2.2.7.	Manufacture of wood and of products of wood and cork, materials except furniture; manufacture of articles of straw and plaiting	108
3.2.2.8.	Manufacture of paper and paper products	111
3.2.2.9.	Printing and reproduction of recorded media	114
3.2.2.10.	Manufacture of coke and refined petroleum products	117
3.2.2.11.	Manufacture of chemicals and chemical products	120
3.2.2.12.	Manufacture of basic pharmaceutical products and pharmaceutical preparations	123
3.2.2.13.	Manufacture of rubber and plastic products	126
3.2.2.14.	Manufacture of other non-metallic mineral products	129
3.2.2.15.	Metallurgical industry	132
3.2.2.16.	Manufacture of fabricated metal products, except machinery and equipment	135
3.2.2.17.	Manufacture of computer, electronic and optical products	138
3.2.2.18.	Manufacture of electrical equipment	141
3.2.2.19.	Manufacture of machinery and equipment n.e.c.	144
3.2.2.20.	Manufacture of motor vehicles, trailers and semi-trailers	147
3.2.2.21.	Manufacture of other transport equipment	150
3.2.2.22.	Manufacture of furniture	153
3.2.2.23.	Other manufacturing	156
3.2.2.24.	Repair and installation of machinery and equipment	159
3.2.3.	Electricity, gas, steam and air conditioning supply	162
3.2.4.	Water supply; sewerage, waste management and remediation activities	165
3.3.	Building	168
3.4.	Wholesale and retail trade and repair of motor vehicles and motorcycles	171
3.5.	Food and beverage service activities	174
3.6.	Transportation and storage	177
3.7.	Other types of economic activity	180

### Methodology explanatory notes

for selected statistical indicators used in this publication..... 183

Tables layout in English..... 187



**1.**  
**1. Energy balance of Ukraine**

1. / Energy balance of Ukraine

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	9940	238	7887	13288	-	-	-	30	193	-	31575
	-487	-22	-90	-	-	-	-	-539	-309	-	-1447
	-	-	-124	-	-	-	-	-	-	-	-124
	469	17	27	-2047	-	-	-	5	-	-	-1529
	27344	2851	7700	26055	22985	464	134	2102	-116	571	90090
	-	230	-200	-	-	-	-	-	-	-	30
	127	-	-228	-42	-	-	-	-	-502 <sup>2</sup>	-	-644
	-14566	-	-127	-104	-22836	-464	-134	-15	12920	-	-25327
( )	-1686	-	-158	-3532	-149	-	-	-523	1021	3251	-1776
	-658	-	-141	-4933	-	-	-	-37	-	5210	-558
( )	-3480	-	-	-	-	-	-	-	-	-	-3480
	-31	-3	-	-	-	-	-	-	-	-	-34
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	-	-3057	2726	-	-	-	-	-	-	-	-331
	-	-	-	-	-	-	-	-	-	-	-
	-182	-	-	-	-	-	-	-243	-	-	-426
	-908	-5	-116	-957	-	-	-	-1	-1590	-599	-4176
	-416	-7	-1	-466	-	-	-	-	-1500	-905	-3295
	6302	8	9455	16022	-	-	-	1283	10233	7527	50831
	5569	-	814	2762	-	-	-	86	4297	2880	16409
	4930	-	101	1463	-	-	-	9	1503	827	8832
	2	-	22	151	-	-	-	1	265	560	1001
	105	-	5	137	-	-	-	-	143	245	635
	505	-	51	355	-	-	-	18	203	49	1180

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2	-	36	119	-	-	-	1	229	80	466	
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21	-	114	165	-	-	-	7	350	740	1397	
-	-	8	18	-	-	-	2	76	117	221	
1	-	16	12	-	-	-	47	52	80	209	
2	-	155	25	-	-	-	1	64	16	263	
-	-	3	3	-	-	-	-	26	18	50	
1	-	14	5	-	-	-	1	457	32	509	
4	-	6554	1572	-	-	-	34	585	-	8750	
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-	-	6364	25	-	-	-	34	-	-	6423	
4	-	138	-	-	-	-	-	516	-	658	
-	-	3	1546	-	-	-	-	33	-	1582	
-	-	48	-	-	-	-	-	-	-	48	
1	-	-	1	-	-	-	-	37	-	38	
379	-	1408	9406	-	-	-	1163	5351	4647	22353	
303	-	14	9083	-	-	-	1097	3184	2874	16554	
67	-	92	195	-	-	-	46	1878	1560	3838	
9	-	1300	129	-	-	-	19	287	212	1957	
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10617	527	9155	8807	-	-	-	38	7	-	29151	
-495	-25	-24	-	-	-	-	-553	-329	-	-1427	
-	-	-157	-	-	-	-	-	-	-	-157	
-541	-	-586	1619	-	-	-	-1	-	-	491	
<b>29727</b>	<b>2806</b>	<b>8387</b>	<b>25598</b>	<b>21247</b>	<b>660</b>	<b>124</b>	<b>2832</b>	<b>-323</b>	<b>599</b>	<b>91658</b>	
-	293	-278	-	-	-	-	-	-	-	15	
-	-121	-94	-181	-	-	-	-	-538 <sup>2</sup>	-65	-999	
-14700	-	-65	-99	-21096	-660	-124	-5	12644	-59	-24164	
( )	-2077	-	-541	-3278	-151	-	-255	1369	3237	-1697	
-1553	-	-930	-5002	-	-	-	-557	-	6851	-1191	
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-34	-	-	-	-	-	-	-	-	-	-34	
167	-	-	-	-	-	-	-	-	-	167	
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-137	-	-	-	-	-	-	-291	-	-	-428	
-964	-5	-48	-897	-	-	-	-	-1623	-1332	-4869	
-456	-7	-1	-471	-	-	-	-	-1430	-1022	-3387	
<b>6306</b>	<b>6</b>	<b>9630</b>	<b>15670</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1724</b>	<b>10100</b>	<b>8209</b>	<b>51645</b>	
<b>5376</b>	<b>-</b>	<b>176</b>	<b>2481</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>51</b>	<b>4295</b>	<b>2575</b>	<b>14955</b>	
4682	-	53	1186	-	-	-	14	1797	533	8265	
2	-	2	205	-	-	-	-	255	544	1008	
96	-	1	129	-	-	-	-	127	243	596	
573	-	14	363	-	-	-	3	192	58	1202	

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1	-	26	286	-	-	-	-	818	92	1224	
20	-	18	152	-	-	-	9	362	714	1276	
-	-	1	18	-	-	-	-	76	118	214	
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1	-	43	10	-	-	-	1	70	11	136	
-	-	1	5	-	-	-	-	26	16	49	
-	-	2	8	-	-	-	1	252	28	290	
<b>6</b>	<b>-</b>	<b>7139</b>	<b>1399</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>37</b>	<b>584</b>	<b>-</b>	<b>9165</b>	
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-	-	6975	28	-	-	-	37	-	-	7040	
4	-	109	-	-	-	-	-	488	-	601	
-	-	6	1369	-	-	-	-	35	-	1410	
-	-	48	-	-	-	-	-	-	-	48	
2	-	1	2	-	-	-	-	61	-	66	
<b>439</b>	<b>-</b>	<b>1679</b>	<b>10007</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1635</b>	<b>5220</b>	<b>5634</b>	<b>24616</b>	
274	-	115	9285	-	-	-	1506	3089	3317	17586	
157	-	105	584	-	-	-	109	1828	2073	4856	
8	-	1427	139	-	-	-	20	302	244	2139	
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-	-	31	-	-	-	-	-	-	-	31	
<b>485</b>	<b>6</b>	<b>636</b>	<b>1783</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2910</b>	
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	5748	8850	2037	-	-	-	-
	-494	-	-240	-	-	-	-
	-	-	-	-	-	-	-
	580	190	-	-1	-	-	-
	11898	33387	14064	247	-	79704	109156
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	-	-	-	-53	-	-	-
	<b>11873</b>	<b>29407</b>	<b>10819</b>	<b>79</b>	-	<b>13440</b>	<b>25450</b>
	-	26781	-	-	-	361	-
	-	1777	-	13	-	6578	23669
	26	792	-	66	-	6501	1781
	-	-	10144	-	-	-	-
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	11847	57	422	-	-	-	-
	-	-	201	-	-	-	-
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	3	9	-	-	-	-	-
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	-	115	-	-	-	399	-
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	-	-	-	-	-	38377	-
	-	4	-	-	-	912	16499
	<b>22</b>	<b>3852</b>	<b>3245</b>	<b>115</b>	-	<b>26576</b>	<b>67207</b>
	-	<b>3099</b>	<b>2831</b>	<b>13</b>	-	<b>26576</b>	<b>67054</b>
	-	1922	2830	-	-	26576	67054
	-	4	-	-	-	-	-
	-	192	1	-	-	-	-
	-	931	-	13	-	-	-
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	-	4	-	-	-	-	-
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	22	463	-	79	-	-	-
	-	109	-	22	-	-	-
	-	16	-	1	-	-	-
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	-24	-	-8	-	-13	-	-
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	28	-95251	23	-6	-	-	-
	507	1212422	2119	650	-6	77	-
	-	-	-	6	209	-	-
	-	-1935	-	-	-	-	-
	<b>450</b>	<b>398763</b>	<b>2104</b>	<b>651</b>	<b>203</b>	<b>77</b>	-
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	-	3341	3	2	-	-	-
	-	898	-	-	-	-	-
	-	-	-	-	-	-	-
	22	16490	-	-	-	-	-
	-	21663	7	-	-	-	-
	<b>35</b>	<b>745550</b>	<b>5</b>	<b>3</b>	-	-	-
	-	<b>128539</b>	-	-	-	-	-
	-	68077	-	-	-	-	-
	-	7041	-	-	-	-	-
	-	6395	-	-	-	-	-
	-	16525	-	-	-	-	-
	-	683	-	-	-	-	-
	-	5532	-	-	-	-	-
	-	13651	-	-	-	-	-
	-	7688	-	-	-	-	-
	-	826	-	-	-	-	-
	-	575	-	-	-	-	-
	-	1186	-	-	-	-	-
	-	144	-	-	-	-	-
	-	216	-	-	-	-	-
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	-	-	-	-	-	-	-
	-	71963	-	-	-	-	-
	-	-	-	-	-	-	-
	-	36	-	-	-	-	-
	<b>35</b>	<b>437705</b>	-	-	-	-	-
	33	422653	-	-	-	-	-
	2	9053	-	-	-	-	-
	-	5999	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	<b>106157</b>	<b>5</b>	<b>3</b>	-	-	-
	-	106157	5	3	-	-	-
	-	102026	-	1	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-

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	1	2		/ 2	2		- 2
	341	643	-	786	535	-	378
	-	-	-	-	-	-	-
	598	1424	123	4835	172	-	544
	-	-20	-16	-	-45	-	-10
	-	-	-121	-	-	-	-
	-8	16	9	-11	13	-	9
	931	2063	-5	5610	675	-	921
	-	-	-	-6	-	-	-203
	-71	333	17	-333	-288	-	105
	-	-	-	7	357	-	81
	-	-	-	5	128	-	-
	-	-	-	-	145	-	20
	-	-	-	2	84	-	61
	-	-	-	-	-	-	-
	13	-	1	70	1	-	27
	1	-	1	35	-	-	-
	-	-	-	-	-	-	13
	4	-	-	26	1	-	-
	-	-	-	-	-	-	-
	8	-	-	9	-	-	14
	1	-	-	-	-	-	-
	846	2396	11	5194	29	-	715
	12	-	5	768	10	-	5
	-	-	1	96	1	-	1
	1	-	-	18	3	-	-
	-	-	-	5	-	-	-
	2	-	-	46	-	-	2
	-	-	4	9	-	-	-
	-	-	-	35	-	-	-
	-	-	-	270	-	-	1
	2	-	-	109	-	-	1
	1	-	-	7	-	-	-
	1	-	-	15	-	-	-
	3	-	-	145	4	-	-
	-	-	-	3	-	-	-
	2	-	-	10	2	-	-
	769	2396	-	3124	13	-	-
	-	-	-	-	-	-	-
	769	2396	-	2950	-	-	-
	-	-	-	136	-	-	-
	-	-	-	3	-	-	-
	-	-	-	35	13	-	-
	-	-	-	-	-	-	-
	64	-	6	1302	2	-	5
	13	-	-	-	-	-	-
	30	-	6	46	2	-	4
	21	-	-	1254	-	-	1
	-	-	-	2	-	-	-
	-	-	-	-	-	-	-
	1	-	-	-	4	-	705
	1	-	-	-	4	-	630
	-	-	-	-	1	-	104
	-	-	-	-	-	-	8
	-	-	-	-	-	-	67

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	108081	16	600	-	163682	378210
	-	-	-	-	-	-
	31	46	-	-	2241	-
	-22317	-9	-	-	-3591	-
	-	-	-	-	-	-
	208	-	-	-	-	-
	86003	53	600	-	162332	378210
	-	-	-	-	-	-
	-	-	-	-	-5834	-
	<b>33652</b>	-	<b>600</b>	-	-	-
	614	-	-	-	-	-
	21733	-	161	-	-	-
	1112	-	439	-	-	-
	-	-	-	-	-	-
	10193	-	-	-	-	-
	<b>48</b>	-	-	-	<b>20067</b>	<b>25085</b>
	-	-	-	-	3435	6353
	-	-	-	-	503	5652
	48	-	-	-	13032	3466
	-	-	-	-	1574	-
	-	-	-	-	1523	9614
	-	-	-	-	17442	37914
	<b>52303</b>	<b>53</b>	-	-	<b>118989</b>	<b>315211</b>
	<b>3621</b>	-	-	-	<b>49963</b>	<b>120622</b>
	366	-	-	-	17471	34640
	23	-	-	-	3085	23442
	-	-	-	-	1657	10255
	759	-	-	-	2355	2044
	8	-	-	-	1005	1718
	31	-	-	-	2665	3347
	39	-	-	-	9817	3159
	275	-	-	-	4066	30990
	86	-	-	-	879	4912
	1978	-	-	-	608	3354
	23	-	-	-	748	688
	-	-	-	-	298	747
	33	-	-	-	5309	1326
		<b>53</b>	-	-	<b>6807</b>	-
	-	-	-	-	-	-
	-	53	-	-	-	-
	-	-	-	-	5999	-
	-	-	-	-	381	-
	-	-	-	-	-	-
	-	-	-	-	427	-
	<b>48682</b>	-	-	-	<b>62219</b>	<b>194589</b>
	45927	-	-	-	37018	120350
	1945	-	-	-	21835	65343
	810	-	-	-	3342	8894
	-	-	-	-	24	2
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
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	6509	25122	13442	246 <sup>2</sup>	-	90483	117461
	-	4245	-	-	-	-	-
	8109	7539	1612	-	-	-	-
	-336	-184	-257	-	-	-	-
	-	-	-	-	-	-	-
	10	-1152	150	-2	-	-	-
	14292	35570	14947	244	-	90483	117461
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	14138	32161	11447	88	-	16462	33965
	-	27592	-	-	-	1566	2303
	-	2433	-	18	-	8243	24444
	36	2136	-	70	-	6653	7218
	-	-	10785	-	-	-	-
	-	-	56	-	-	-	-
	14102	-	455	-	-	-	-
	-	-	151	-	-	-	-
	-	215	-	-	-	39389	-
	-	21	-	-	-	-	-
	-	-	-	-	-	-	-
	-	194	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	39389	-
	-	3	-	-	-	-	19022
	154	3191	3500	156	-	34632	64474
	-	2501	2903	6	-	34632	64329
	-	1191	2903	-	-	34632	64329
	-	4	-	-	-	-	-
	-	181	-	-	-	-	-
	-	1084	-	5	-	-	-
	-	-	-	-	-	-	-
	-	2	-	-	-	-	-
	-	1	-	-	-	-	-
	-	36	-	-	-	-	-
	-	-	-	1	-	-	-
	-	-	-	-	-	-	-
	-	2	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	12	-	-	-	-	-
	-	-	-	-	-	-	-
	-	8	-	-	-	-	-
	-	-	-	-	-	-	-
	-	4	-	-	-	-	-
	154	515	-	150	-	-	-
	-	425	-	118	-	-	-
	154	77	-	31	-	-	-
	-	13	-	1	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	163	597	-	-	-	145
	-	163	597	-	-	-	145
	-	-	-	-	-	-	-
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				-	-		-
	539	705926	1623	650	-	22	26
	-	-	-	-	-	-	-
	17	409787	502	14	6	2	-
	-26	-	-	-	-23	-	-
	-	-	-	-	-	-	-
	-5	75351	-5	5	-	-	-
	525	1191064	2120	669	-17	24	26
	-	-	-	-	274	-	-
	-	-8429	-	-121	-	-	743
	<b>482</b>	<b>389859</b>	<b>2106</b>	<b>544</b>	<b>257</b>	<b>24</b>	<b>747</b>
	-	4624	-	-	-	-	-
	-	152502	-	-	-	-	-
	36	232733	-	-	-	-	747
	-	-	-	-	-	-	-
	446	-	-	-	-	-	-
	-	-	2106	544	257	24	-
	<b>20</b>	<b>41724</b>	<b>3</b>	<b>2</b>	-	-	<b>22</b>
	-	-	-	-	-	-	-
	-	23122	3	2	-	-	-
	-	578	-	-	-	-	-
	-	-	-	-	-	-	-
	20	18024	-	-	-	-	22
	2	21933	7	-	-	-	-
	<b>21</b>	<b>729119</b>	<b>4</b>	<b>2</b>	-	-	-
	1	<b>115454</b>	-	-	-	-	-
	1	55162	-	-	-	-	-
	-	9519	-	-	-	-	-
	-	5982	-	-	-	-	-
	-	16911	-	-	-	-	-
	-	714	-	-	-	-	-
	-	4687	-	-	-	-	-
	-	13328	-	-	-	-	-
	-	7050	-	-	-	-	-
	-	859	-	-	-	-	-
	-	135	-	-	-	-	-
	-	471	-	-	-	-	-
	-	245	-	-	-	-	-
	-	391	-	-	-	-	-
	-	<b>65074</b>	-	-	-	-	-
	-	-	-	-	-	-	-
	-	1306	-	-	-	-	-
	-	-	-	-	-	-	-
	-	63678	-	-	-	-	-
	-	-	-	-	-	-	-
	-	90	-	-	-	-	-
	<b>20</b>	<b>465618</b>	-	-	-	-	-
	20	432004	-	-	-	-	-
	-	27165	-	-	-	-	-
	-	6449	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	<b>82973</b>	<b>4</b>	<b>2</b>	-	-	-
	-	82973	4	2	-	-	-
	-	79614	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-

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	( . ),						
	1	2		/ 2	2		- 2
	409	652	-	929	590	-	547
	-	-	-	-	-	-	-
	1081	1454	-	5125	380	-	896
	-	-	-	-	-3	-	-22
	-	-	-	-	-	-	-164
	-27	11	-	-612	62	-	-5
	1463	2117	-	5442	1029	-	1252
	-	-	-	-16	-	-	-274
	-112	54	-	-310	-360	-	-248
	1	-	-	8	635	-	39
	-	-	-	7	60	-	1
	1	-	-	-	541	-	24
	-	-	-	1	34	-	14
	-	-	-	-	-	-	-
	1	-	-	19	2	-	-
	-	-	-	3	-	-	-
	-	-	-	5	-	-	-
	-	-	-	10	2	-	-
	-	-	-	-	-	-	-
	1	-	-	1	-	-	-
	1	-	-	-	-	-	-
	1348	2171	-	5089	32	-	691
	3	-	-	150	7	-	14
	-	-	-	50	1	-	1
	-	-	-	1	1	-	-
	-	-	-	1	-	-	-
	1	-	-	10	1	-	2
	-	-	-	2	-	-	4
	-	-	-	4	-	-	-
	-	-	-	24	-	-	2
	1	-	-	15	-	-	2
	-	-	-	1	-	-	-
	-	-	-	4	-	-	-
	1	-	-	36	4	-	2
	-	-	-	1	-	-	-
	-	-	-	1	-	-	1
	1200	2171	-	3462	15	-	2
	-	-	-	-	-	-	-
	1200	2171	-	3317	-	-	-
	-	-	-	107	-	-	-
	-	-	-	5	-	-	1
	-	-	-	33	15	-	-
	-	-	-	-	-	-	1
	145	-	-	1477	7	-	11
	105	-	-	-	-	-	-
	21	-	-	67	6	-	8
	19	-	-	1378	1	-	3
	-	-	-	2	-	-	-
	-	-	-	30	-	-	0
	-	-	-	-	3	-	664
	-	-	-	-	3	-	545
	-	-	-	-	1	-	89
	-	-	-	-	-	-	12
	-	-	-	-	-	-	107

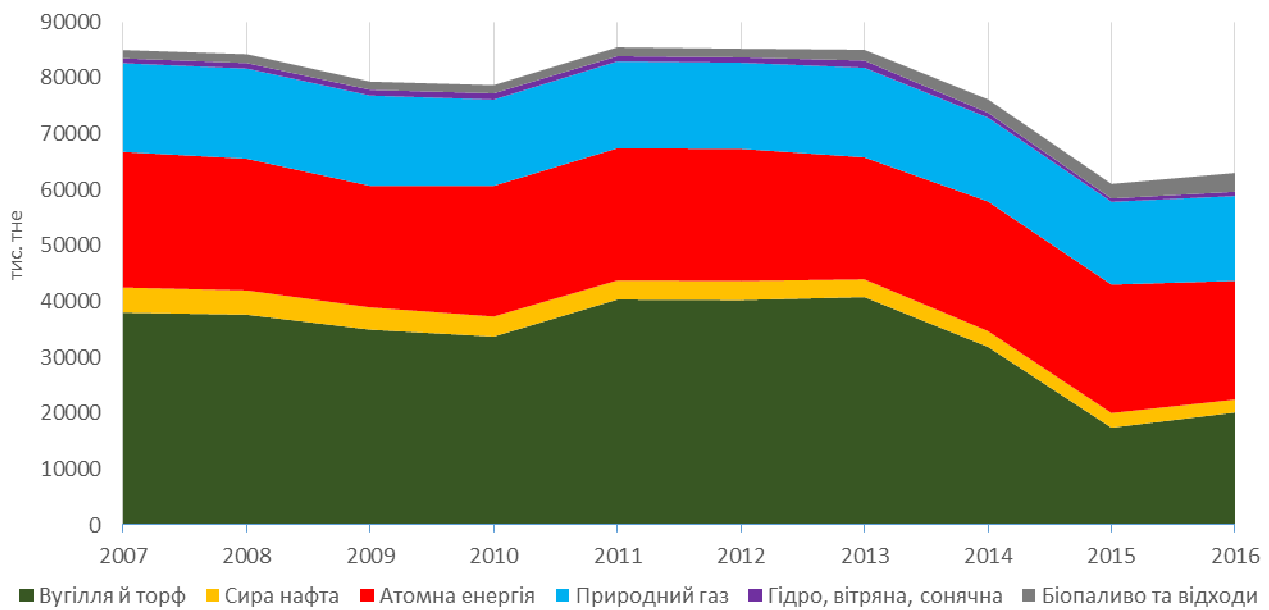
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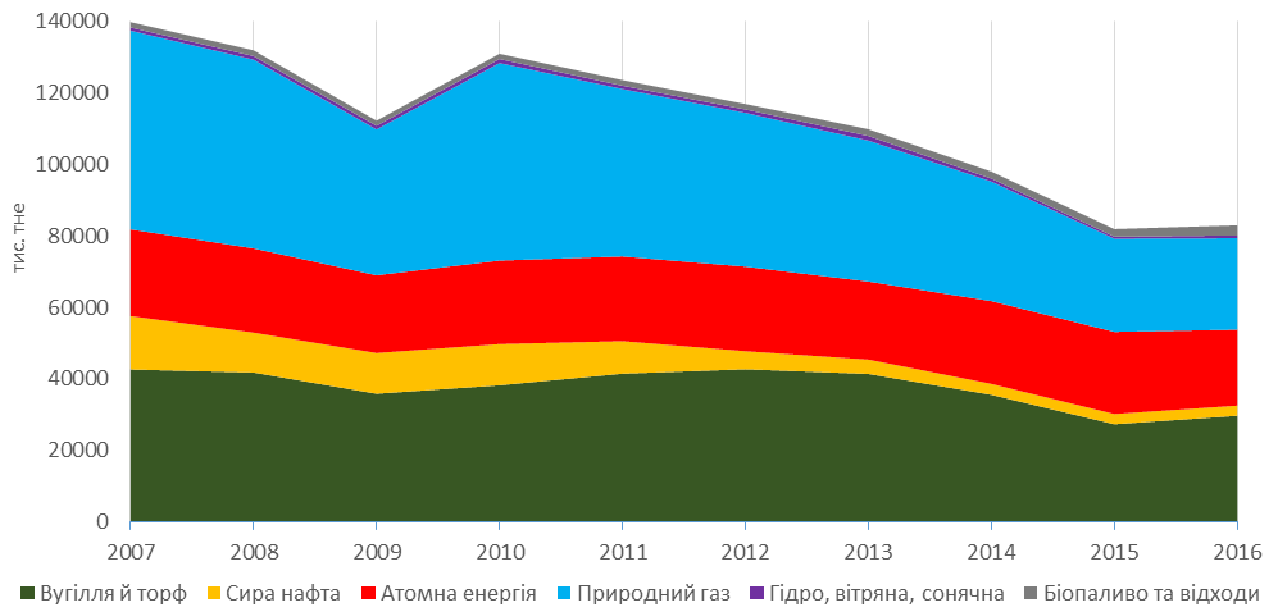
## 1.3.

## Total primary energy production by energy sources



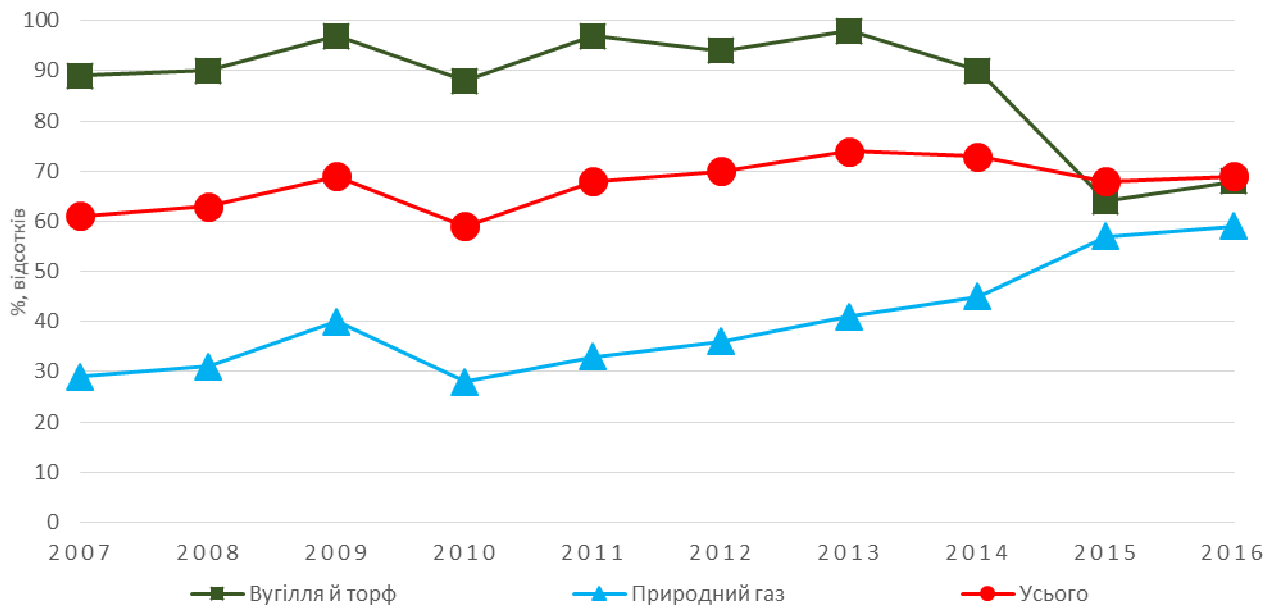
## 1.4.

## Total primary energy supply by energy sources



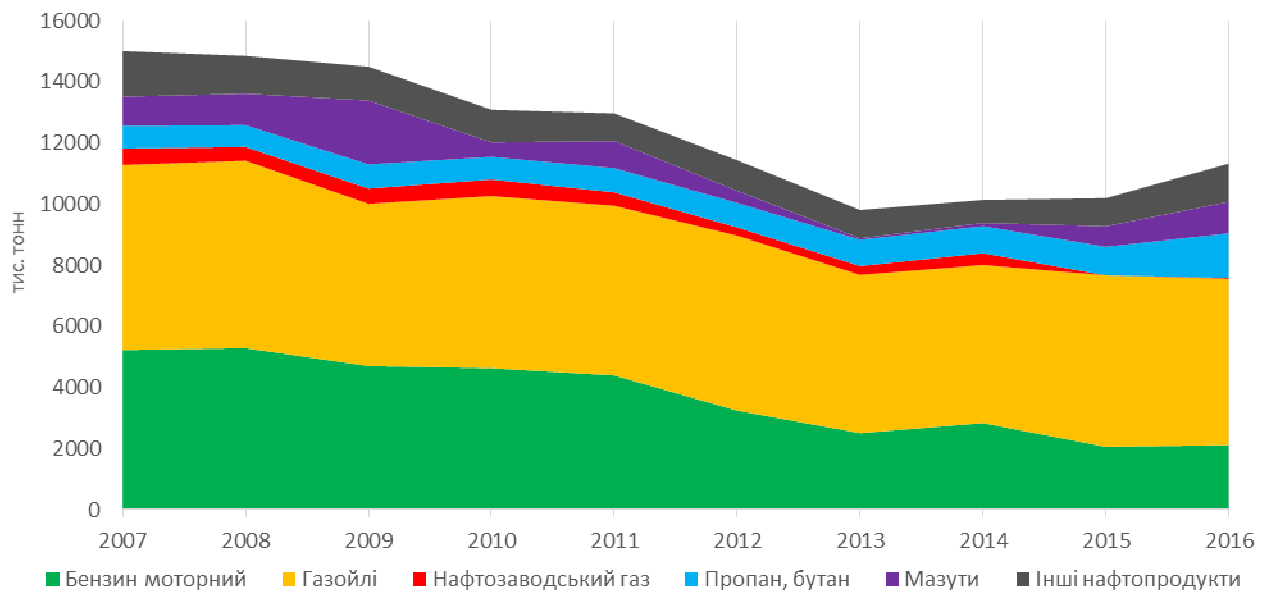
## 1.5.

## Shares of own production of energy resources in Ukraine



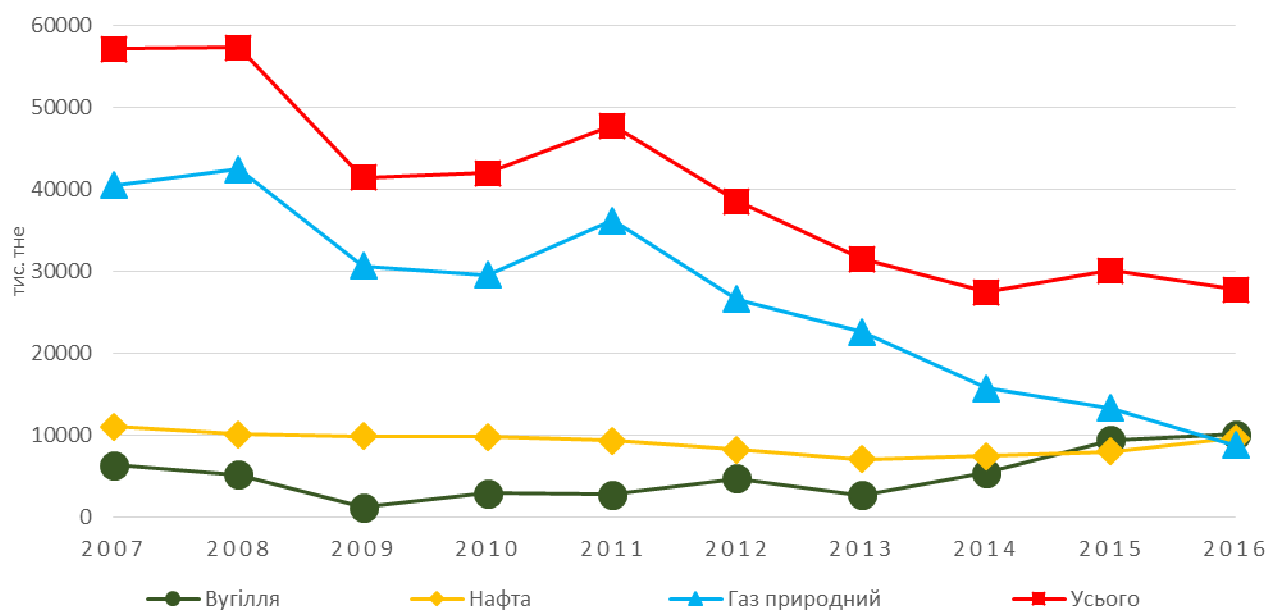
## 1.6.

## Total supply of oil products



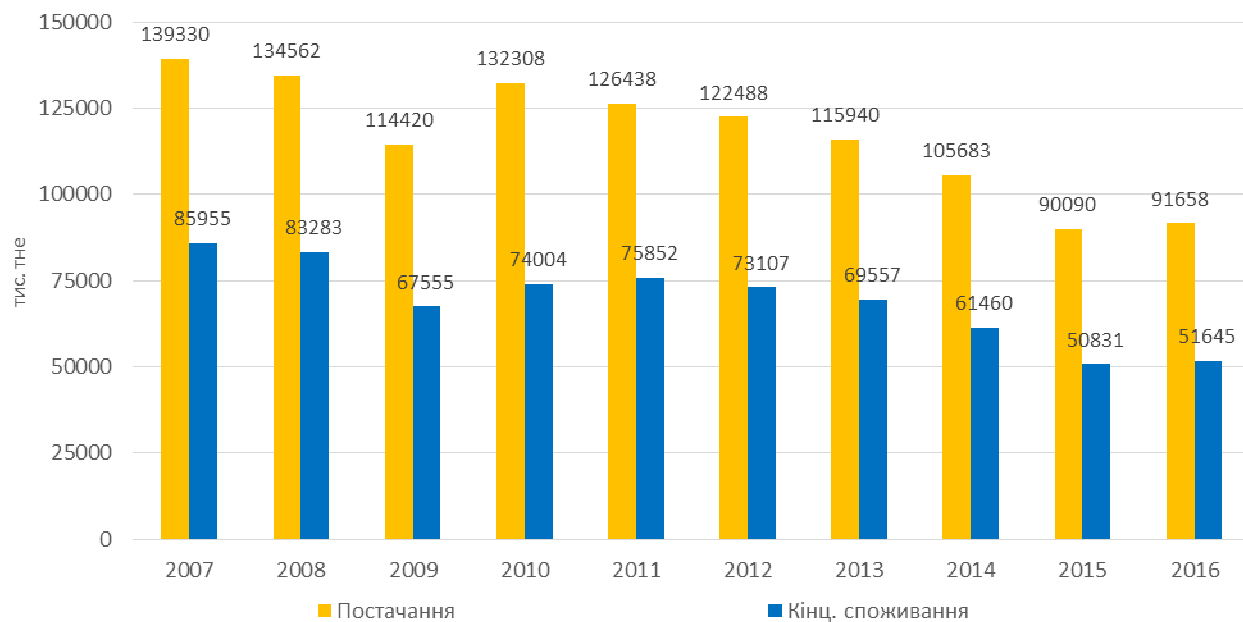
## 1.7.

## Energy net import



## 1.8.

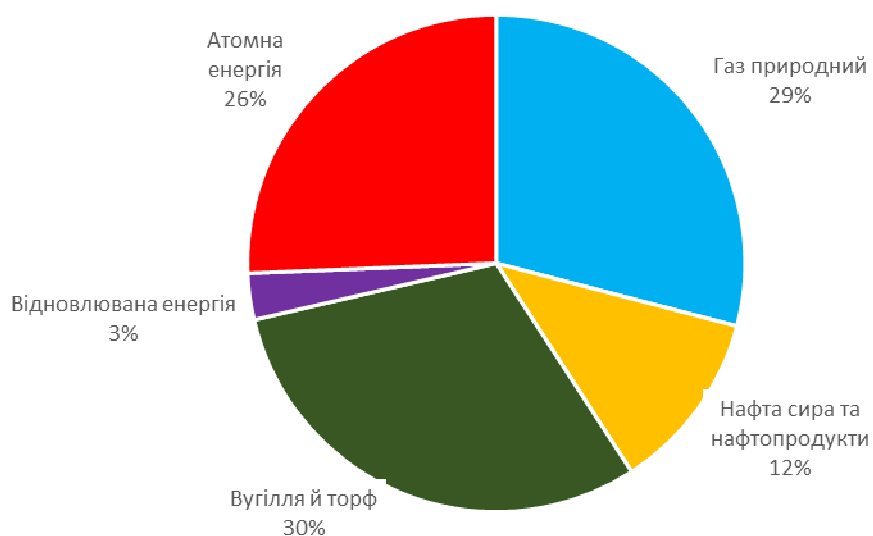
## Energy supply and final consumption





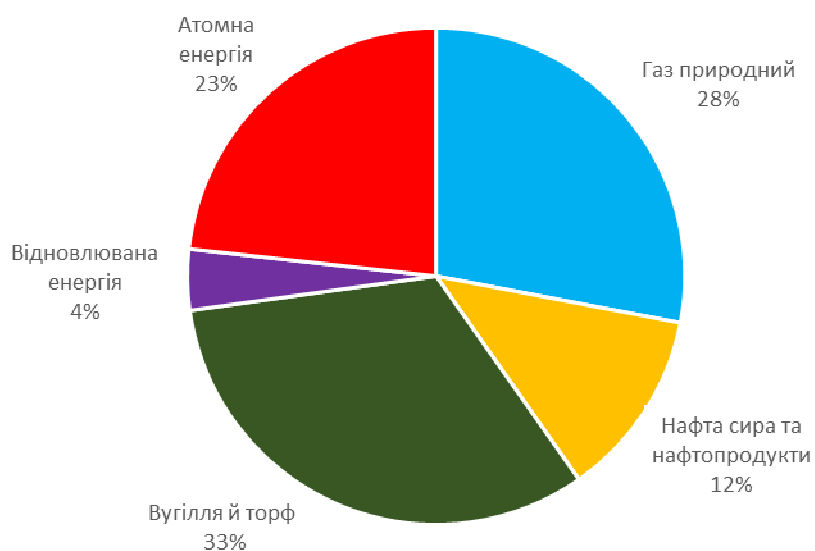
1.9.

2015

**Total primary energy supply by energy sources**

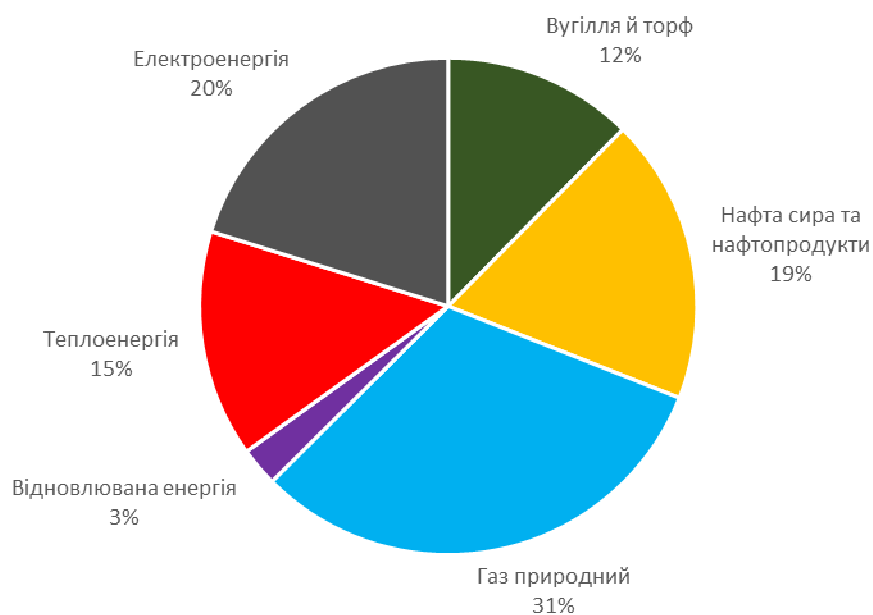
1.9.

2016

**Total primary energy supply by energy sources**

1.10.

2015

**Fuel and energy shares in total final consumption 2015**

1.10.

2016

**Fuel and energy shares in total final consumption 2016**

1.11. /  
Output of coal of hard, by region

	( / thsd. ton)	
	2015	2016
<b>/ Ukraine</b>	<b>30189</b>	<b>31630</b>
/ regions		
/ Volyn	õ <sup>1</sup>	õ <sup>1</sup>
/ Dnipropetrovsk	õ <sup>1</sup>	õ <sup>1</sup>
/ Donetsk	10376	11852
/ Luhansk	4096	5348
/ Lviv	õ <sup>1</sup>	õ <sup>1</sup>

1.12. ,  
Output of crude oil including oil obtained from bituminous mineral, by region

	( / thsd. ton)	
	2015	2016
<b>/ Ukraine</b>	<b>1818</b>	<b>1623</b>
/ regions		
/ Dnipropetrovsk	õ <sup>1</sup>	õ <sup>1</sup>
-   / Ivano-Frankivsk	319	279
/ Luhansk	õ <sup>1</sup>	õ <sup>1</sup>
/ Lviv	138	134
/ Poltava	168	158
/ Sumy	819	719
/ Kharkiv	50,5	39,1
/ Chernivtsi	õ <sup>1</sup>	õ <sup>1</sup>
/ Chernihiv	õ <sup>1</sup>	õ <sup>1</sup>

1.13. ,  
Output of natural gas liquids obtained from natural gas fields, by region

	( / thsd. ton)	
	2015	2016
<b>/ Ukraine</b>	<b>657</b>	<b>650</b>
/ regions		
/ Dnipropetrovsk	õ <sup>1</sup>	õ <sup>1</sup>
/ Donetsk	õ <sup>1</sup>	.
-   / Ivano-Frankivsk	1,6	1,6
/ Luhansk	õ <sup>1</sup>	õ <sup>1</sup>
/ Poltava	441	418
/ Sumy	28,8	24,7
/ Kharkiv	160	187
/ Chernihiv	õ <sup>1</sup>	õ <sup>1</sup>

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<sup>1</sup> Data are not published in order to ensure compliance with the requirements of the Law of Ukraine On the State Statistics regarding confidentiality of statistical information.

## 1.14.

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## Output of natural gas, liquified or gaseous, by region

( . <sup>3</sup> / mln.m<sup>3</sup> )

	2015	2016
<b>/ Ukraine</b>	<b>19853</b>	<b>20052</b>
/ regions		
/ Volyn	ō <sup>1</sup>	ō <sup>1</sup>
/ Dnipropetrovsk	521	545
/ Donetsk	ō <sup>1</sup>	
/ Zakarpattya	ō <sup>1</sup>	ō <sup>1</sup>
-     / Ivano-Frankivsk	447	415
/ Luhansk	259	ō <sup>1</sup>
/ Lviv	642	626
/ Poltava	8385	8709
/ Sumy	515	432
/ Kharkiv	8937	8999
/ Kherson		ō <sup>1</sup>
/ Chernivtsi	ō <sup>1</sup>	14,0
/ Chernihiv	91,2	41,9

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<sup>1</sup> Data are not published in order to ensure compliance with the requirements of the Law of Ukraine On the State Statistics regarding confidentiality of statistical information.

## 1.15.

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## Output of electricity, by type of power plants

( . / mln.kW·h )

	2015	2016
<b>/ Ukraine</b>	<b>163682,3</b>	<b>164573,2</b>
/ including		
/ heat power plants	67523,5	72875,1
/ nuclear power plants	87627,4	80950,0
/ hydro power plants	6970,5	9303,5
/ wind power plants	1084,4	953,8
/ solar power plants	476,5	490,8

## 1.16.

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## Output of electricity, by region

	( . . / mln.kW·h)	
	2015	2016
<b>/ Ukraine</b>	<b>163682,3</b>	<b>164573,2</b>
<i>/ regions</i>		
<i>/ Vinnytsya</i>	5470,6	4263,4
<i>/ Volyn</i>	54,4	63,3
<i>/ Dnipropetrovsk</i>	5303,6	9231,0
<i>/ Donetsk</i>	21748,7	23672,1
<i>/ Zhytomyr</i>	19,1	õ <sup>1</sup>
<i>/ Zakarpattya</i>	131,7	145,8
<i>/ Zaporizhzhya</i>	47705,9	39688,0
- <i>/ Ivano-Frankivsk</i>	10038,7	8901,1
<i>/ Kyiv</i>	4262,9	4323,9
<i>/ Kirovohrad</i>	761,1	1158,9
<i>/ Luhansk</i>	3099,2	3750,7
<i>/ Lviv</i>	2929,0	3017,5
<i>/ Mykolayiv</i>	16527,0	18127,9
<i>/ Odesa</i>	464,0	449,2
<i>/ Poltava</i>	849,4	850,8
<i>/ Rivne</i>	19059,7	17553,4
<i>/ Sumy</i>	276,1	346,0
<i>/ Ternopil</i>	41,6	36,3
<i>/ Kharkiv</i>	2925,3	4272,5
<i>/ Kherson</i>	880,1	1286,1
<i>/ Khmelnytskyi</i>	13552,4	15066,5
<i>/ Cherkasy</i>	1432,9	1628,6
<i>/ Chernivtsi</i>	1856,4	1792,3
<i>/ Chernihiv</i>	819,6	959,9
<i>/ city</i>		
<i>/ Kyiv city</i>	3472,9	õ <sup>1</sup>

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<sup>1</sup> Data are not published in order to ensure compliance with the requirements of the Law of Ukraine On the State Statistics regarding confidentiality of statistical information.

1.17.

: 2016 /

## Generating Sources Distribution of Electricity by Regions : 2016

( . ® / thnd.kW®)

	- / Heating energy distribution - total	- / electricity plants	- / others
<b>/ Ukraine</b>	<b>147776715</b>	<b>147584741</b>	<b>191974</b>
/ regions			
/ Vinnytsya	3896323	3896140	183
/ Volyn	62190	62190	0
/ Dnipropetrovsk	8125173	8124955	218
/ Donetsk	17899494	17899494	0
/ Zhytomyr	20675	16929	3746
/ Zakarpattya	34212	32506	1706
/ Zaporizhzhya	37354607	37345377	9230
- / Ivano-Frankivsk	7966948	7966930	18
/ Kyiv	3923925	3910057	13868
/ Kirovohrad	1136178	1136160	18
/ Luhansk	3314815	3292720	22095
/ Lviv	2772920	2772899	21
/ Mykolayiv	16976455	16976445	10
/ Odesa	326466	324696	1770
/ Poltava	718244	688480	29764
/ Rivne	16163601	16090785	72816
/ Sumy	301176	301106	70
/ Ternopil	42455	42410	45
/ Kharkiv	3709324	3697835	11489
/ Kherson	1233836	1232275	1561
/ Khmelnytskyi	14357925	14357900	25
/ Cherkasy	1460645	1460645	0
/ Chernivtsi	1752715	1752642	73
/ Chernihiv	840246	840223	23
/ city			
/ Kyiv city	3386167	3362942	23225

**1.18. : 2016 /**  
**Generating Sources Distribution of Heating Energy by Regions : 2016**

( / Gcal)

	- / Heating energy distribution - total	- / electricity plants	, / heat plants	/ others
<b>/ Ukraine</b>	<b>98955874</b>	<b>33091975</b>	<b>60193854</b>	<b>5670045</b>
<i>/ regions</i>				
<i>/ Vinnytsya</i>	2979723	795896	2093698	90129
<i>/ Volyn</i>	1522559	162659	1359279	621
<i>/</i>				
<i>Dnipropetrovsk</i>	11875784	3866631	7350867	658286
<i>/ Donetsk</i>	8239117	2557479	4402396	1279242
<i>/ Zhytomyr</i>	1985308	107749	1868038	9521
<i>/ Zakarpattia</i>	453409	0	338035	115374
<i>/ Zaporizhzhya</i>	5118787	1137392	3606481	374914
<i>- /</i>				
<i>Ivano-Frankivsk</i>	1501053	225268	1210583	65202
<i>/ Kyiv</i>	4040367	1123946	2901305	15116
<i>/ Kirovohrad</i>	1617379	462009	1114305	41065
<i>/ Luhansk</i>	2484851	795450	1273427	415974
<i>/ Lviv</i>	4094107	1516294	2561960	15853
<i>/ Mykolayiv</i>	4124398	3004208	1104042	16148
<i>/ Odesa</i>	3672024	405566	3058360	208098
<i>/ Poltava</i>	4796228	2013388	2688329	94511
<i>/ Rivne</i>	2292409	450300	1277038	565071
<i>/ Sumy</i>	2752265	1116943	1528481	106841
<i>/ Ternopil</i>	1169363	190707	966635	12021
<i>/ Kharkiv</i>	9758301	3358619	6228093	171589
<i>/ Kherson</i>	1143177	307269	828665	7243
<i>/ Khmelnytskyi</i>	2265067	687888	1571280	5899
<i>/ Cherkasy</i>	3662120	638762	1920396	1102962
<i>/ Chernivtsi</i>	548032	0	543235	4797
<i>/ Chernihiv</i>	2018499	610667	1372918	34914
<i>/ city</i>				
<i>/ Kyiv city</i>	14841547	7556885	7026008	258654

1.19.

2016 / Capacity of power plants by region in 2016

/ Regions	/ Power plants capacity, thsd.kW	/ / Heat capacity, Gcal/h
	59176	277580
	1922	2939
	26	1567
	5627	20589
	8751	155264
	38	2361
	26	186
	11491	6865
-	2625	9793
	2724	5226
	690	2853
	2276	4454
	699	8124
	3688	7322
	5278	3717
	413	5037
	2881	2854
	206	3628
	56	1543
	3065	10237
	463	1310
	2077	2685
	720	4392
	1741	1225
	224	1942
.	1469	11467



1.20.

2016 /

**Setted Capacity of generating power plants by the types of power plants in 2016**

<i>Tipes of generating enterprises /</i>	<i>. / Power plants capacity, thsd.kW</i>	<i>, / Power plants capacity, Gcal/h</i>
<b><i>/ Total</i></b>	<b>59176</b>	<b>277580</b>
<i>/ including</i>		
<i>/ heat power plants</i>	27489	5130
<i>/ combined heat and power plants</i>	10569	32331
<i>/ nuclear power plants</i>	13835	2596
<i>/ hydro power plants</i>	6167	-
<i>( ) / heat plants</i>	-	229367
<i>/ utilization units</i>	39	6404
<i>/ other power plants</i>	1077	1752
<i>/ of which</i>		
<i>/ wind power plants</i>	387	-
<i>/ solar power plants</i>	324	-

1.21.

## 2016 / Electricity use in 2016

® / thsd.kW®

		/ including				
		( ) / Production of goods (works)	( ) / own use of energy generation enterprises (units)	electricity used for pumped hydro	electricity used for cooling	electricity losses in grid system
<i>Economic activities</i>	<i>Total electricity use</i>					
	<b>88815990</b>	<b>63353838</b>	<b>12684499</b>	<b>526556</b>	<b>422684</b>	<b>10026184</b>
	2384181	2129353	19480	-	22098	5516
	68426285	52579140	12616042	526556	360282	9866453
q	12617639	12453772	14455	-	-	11664
q	2497296	2455835	8207	-	-	3941
	303963	268839	1260	-	-	621
	230156	207917	3852	-	-	174
	9074952	9034293	-	-	-	1238
q	492413	475855	1136	-	-	5588
	37684897	35150014	751403	-	360282	161374
	3397370	3037614	43618	-	161074	3963
	410332	329155	9385	-	38108	514
	84177	70602	4	-	-	-
	157692	139419	124	-	-	504
	129437	111823	9	-	-	59
	66342	54686	123	-	-	73

1.21 / Continuation of the table 1.21

		/ including				
<i>Economic activities</i>	-	-	-	-	-	-
	/	/	/	/	/	/
	Total electricity use	( )/ Production of goods (works)	( )/ own use of energy generation enterprises (units)	electricity used for pumped hydro	electricity used for cooling	electricity losses in grid system

590042 556770 149 - - 1048

838282 775559 32429 - - 3639

122233 102377 10 - - 51

2263122 2067515 66801 - 9930 7496

2522829 2289968 57490 - 86802 24096

158083 99404 71 - 7243 72

669001 544238 182 - 2380 25

2340902 2223790 7469 - 6238 2912

19840811 19048676 506361 - 44898 107146

614013 541969 330 - 2962 467

1.21 / Continuation of the table 1.21

		/ including				
<i>Economic activities</i>	<i>Total electricity use</i>	<i>( ) / Production of goods (works)</i>	<i>( ) / own use of energy generation enterprises (units)</i>	<i>electricity used for pumped hydro</i>	<i>electricity used for cooling</i>	<i>electricity losses in grid system</i>
	113705	83710	3958	-	213	662
	466745	418647	563	-	52	251
	1502298	1403429	3691	-	161	7651
	192172	173798	166	-	-	42
	607164	539891	17723	-	221	245
	181750	161524	633	-	-	145
	15290704	2254044	11847152	526556	-	9690685
	13793450	1145909	11521103	526556	-	9683776
	45275	28238	56	-	-	35
	1451979	1079897	325993	-	-	6874
	2833045	2721310	3032	-	-	2730
	472673	311317	294	-	119	120392



## 2016 / Heat use in 2016

		/ including		
		-	-	-
	-			
/ Economic	-	(	(	-
activities	/	) /	) /	/
	<i>Total heat</i>	<i>production</i>	<i>own use of</i>	<i>Heat losses</i>
	<i>use</i>	<i>of goods</i>	<i>energy</i>	<i>in the</i>
		<i>(works)</i>	<i>generating</i>	<i>networks</i>
			<i>(enterprises</i>	
			<i>units)</i>	
	<b>59876529</b>	<b>35739286</b>	<b>9793620</b>	<b>10169843</b>

38

1.22 / Continuation of the table 1.22

		/ including		
activities	/ Economic	-	-	-
		(	(	-
	Total heat use	production of goods (works)	own use of energy generating (enterprises units)	Heat losses in the networks
	3790249	3186942	546767	7450
	5268856	4538419	544909	251768
	174302	122208	3	-
	228444	190085	173	10
	671451	575394	5919	618
	14243572	7300108	6479149	530860
	188243	112434	180	576
q	60402	44084	310	-
	209969	162543	17661	376
	489662	423927	8811	60192
	57580	51079	90	-
	418542	356400	10089	4435
	63950	55485	-	-
	3267762	1174613	1778523	6804704
	1388149	115953	1104334	1725910

1.22 / Continuation of the table 1.22

activities / Economic	Total heat use	/ including		Heat losses in the networks
		production of goods (works)	own use of energy generating (enterprises units)	
	-	-	-	-
	-	(	(	-
	/	)/	)/	/
	Total heat use	production of goods (works)	own use of energy generating (enterprises units)	Heat losses in the networks
;				
( )	111863	63028	-	337
,	1767750	995632	674189	5078457
;	539866	429689	1905	103993
,	199367	106825	351	674
;	301558	118547	1269	118
	159152	38925	241	2018
q ,	1441483	1023128	2623	860
	184160	85429	20	66
	111244	41761	4269	0
	761565	206717	289	58
,	588300	174546	1656	496
	368339	121122	1471	8311
;	5449349	380909	14159	4195
	2941991	332233	4778	853
,	2267918	210933	2575	552
,	188109	23063	0	64
	25604	6782	0	89



**2.**

**2. The main ways of fuel use**

## 2.1. 2015 / Ukraine: 2015

	/ Unit	/ Total	/ including			
			- / transformation into other types of fuel and energy	- ( )/ non-energy use (raw material)	- / final consump- tion	- , / transportation, distribution and storage losses
q /	/ t	45284933	39524390	157401	5599609	3533
Hard coal	. . / tsc	33963700	29643293	118051	4199707	2650
/	/ t	5582	3796	389	1396	-
Brown coal	. . / tsc	1641	1116	114	411	-
/	/ t	2216902	2202362	4791	2817	6932
Conventional crude oil	. . / tsc	3170169	3149377	6851	4028	9913
/	/ t	531639	526733	2109	2796	-
Natural gas liquids (NGL)	. . / tsc	760243	753228	3016	3999	-
/	thsd. m <sup>3</sup>	32815737	11287328	2954737	17970501	603172
Natural gas	. . / tsc	38066255	13093300	3427495	20845781	699679
/	/ t	464752	415701	610	48268	174
Peat	. . / tsc	154298	138013	202	16025	58
/	/ density, m <sup>3</sup>	3478819	1142103	18061	2318655	-
Fuelwood	. . / tsc	921887	302657	4786	614444	-
/	/ t	13155698	5937855	386645	6831198	-
Coal coke and coke breeze; gas coke	. . / tsc	12800494	5777532	376205	6646756	-
/	/ t	2360829	141	360	2360206	122
Motor gasoline	. . / tsc	3517635	210	537	3516706	181
( ) /	/ t	4770863	7436	488	4762903	36
Road diesel	. . / tsc	6917751	10782	708	6906209	51
/	/ t	132124	13	1134	130966	13
Kerosene	. . / tsc	194223	18	1666	192520	18
/	/ t	367272	337057	3628	26579	8
Heavy fuel oil	. . / tsc	503163	461768	4971	36413	11
/	/ t	675812	563	516	674239	495
Liquefied petroleum gases (LPG)	. . / tsc	1061025	883	810	1058555	777
, , ,	/ t	13144	-	1	13144	-
Ethylene, propylene, butylene, butadiene other refinery gas and other hydrocarbons, excluding natural gas	. . / tsc	19585	-	1	19584	-

2.1 / Continuation of the table 2.1

	/ Unit	/ Total	/ including			
			transfor- mation into other types of fuel and energy	non-energy use (raw material)	/ final consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, oil waxes etc	/ t .. / tsc	206 305	- -	200 296	6 9	- -
Hard coal briquettes	/ t .. / tsc	1897 1119	1300 767	- -	597 352	- -
Brown coal briquettes (BKB)	/ t .. / tsc	3341 1884	520 293	- -	2821 1591	- -
Peat briquettes	/ t .. / tsc	177933 88966	77237 38619	- -	99917 49958	779 390
Oil bitumen (including shale)	/ t .. / tsc	165078 222855	- -	102731 138686	62338 84156	9 12
Petroleum coke (including shale)	/ t .. / tsc	25732 27790	- -	25706 27763	26 28	- -
Lubricants and heavy oil distillates	/ t .. / tsc	195023 267181	- -	191669 262586	3354 4595	- -
Fuel briquettes and pellets made of wood and other natural materials	/ t .. / tsc	225204 129042	147643 84600	32007 18340	45553 26102	- -
Coke oven gas	thsd. m <sup>3</sup> .. / tsc	3078581 1757870	731532 417705	- -	2347050 1340165	- -
Blast furnace gas	thsd. m <sup>3</sup> .. / tsc	28728006 4194289	5840301 852684	53331 7786	22834374 3333819	- -

## 2.1. 2016 / Ukraine: 2016

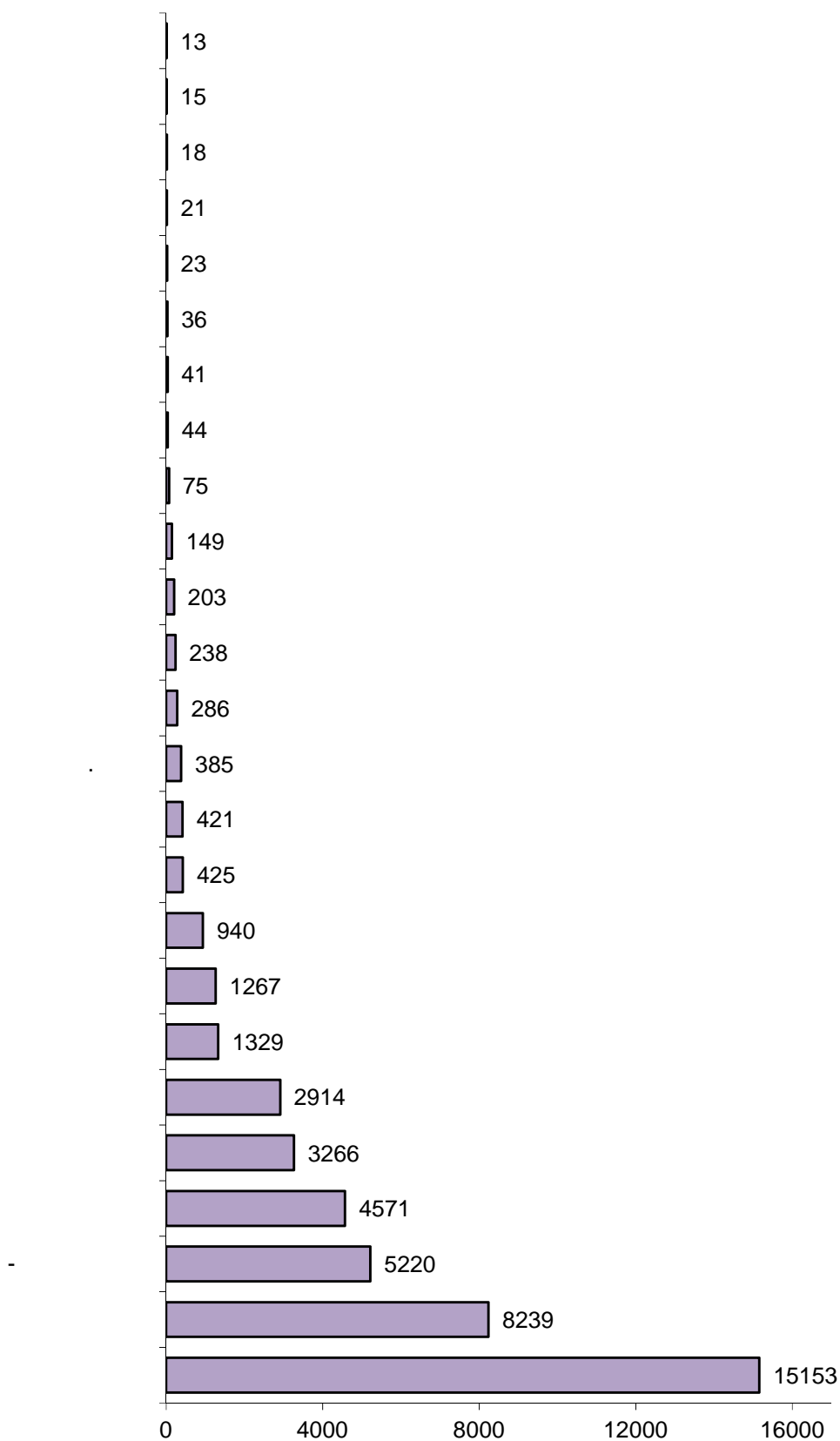
	/ Unit	/ Total	/ including			
			- / transformation into other types of fuel and energy	- ( )/ non-energy use (raw material)	- / final consump- tion	- , / transportation, distribution and storage losses
q /	/ t	48670480	44742170	163063	3762574	2673
Hard coal	. . / tsc	36502860	33556628	122297	2821931	2005
/	/ t	9821	8629	425	768	-
Brown coal	. . / tsc	2887	2537	125	226	-
/	/ t	153117	140022	3388	2866	6841
Conventional crude oil	. . / tsc	218957	200231	4845	4098	9783
/	/ t	548008	543726	2175	2106	-
Natural gas liquids (NGL)	. . / tsc	783651	777528	3110	3012	-
/	thsd. m <sup>3</sup>	33968607	11026034	2296259	20046531	599784
Natural gas	. . / tsc	39403584	12790199	2663660	23253976	695749
/	/ t	454257	394098	128	58026	2005
Peat	. . / tsc	150813	130841	42	19265	666
/	/ density, m <sup>3</sup>	3762757	1456853	25308	2280596	-
Fuelwood	. . / tsc	997131	386066	6707	604358	-
/	/ t	13204149	4518947	493515	8160659	31028
Coal coke and coke breeze; gas coke	. . / tsc	12847637	4396935	480190	7940321	30190
/	/ t	2229372	80	211	2228962	120
Motor gasoline	. . / tsc	3321764	119	314	3321153	179
( ) /	/ t	4968632	8201	1400	4958899	132
Road diesel	. . / tsc	7204516	11891	2030	7190404	191
/	/ t	182358	-	1260	181099	-
Kerosene	. . / tsc	268066	-	1852	266216	-
/	/ t	669344	634798	3520	31026	-
Heavy fuel oil	. . / tsc	917001	869673	4822	42506	-
/	/ t	778380	576	408	776874	523
Liquefied petroleum gases (LPG)	. . / tsc	1222057	904	641	1219692	821
, , ,	/ t	21952	-	13	21939	-
Ethylene, propylene, butylene, butadiene other refinery gas and other hydrocarbons, excluding natural gas	. . / tsc	32708	-	19	32689	-

2.1 / Continuation of the table 2.1

	/ Unit	/ Total	/ including			
			- / transfor- mation into other types of fuel and energy	- ( ) / non-energy use (raw material)	- / final consump- tion	- , / transportation, distribution and storage losses
Oil vaseline, paraffin, oil waxes etc	/ t .. / tsc	388 574	- -	345 510	43 64	- -
Hard coal briquettes	/ t .. / tsc	5726 3378	3986 2352	- -	1739 1026	- -
Brown coal briquettes (BKB)	/ t .. / tsc	579 327	509 287	- -	69 39	- -
Peat briquettes	/ t .. / tsc	188123 94062	99341 49671	- -	87813 43907	970 485
Oil bitumen (including shale)	/ t .. / tsc	252964 341501	- -	223722 302025	29242 39477	- -
Petroleum coke (including shale)	/ t .. / tsc	26569 28695	708 765	25852 27920	9 10	- -
Lubricants and heavy oil distillates	/ t .. / tsc	191701 262630	361 495	187739 257202	3600 4932	2 3
Fuel briquettes and pellets made of wood and other natural materials	/ t .. / tsc	333922 191337	225995 129495	61278 35112	46649 26730	- -
Coke oven gas	thsd. m <sup>3</sup> .. / tsc	3727712 2128524	898081 512804	- -	2829630 1615719	- -
Blast furnace gas	thsd. m <sup>3</sup> .. / tsc	29094354 4247776	9701769 1416458	50432 7363	19094490 2787796	247663 36159

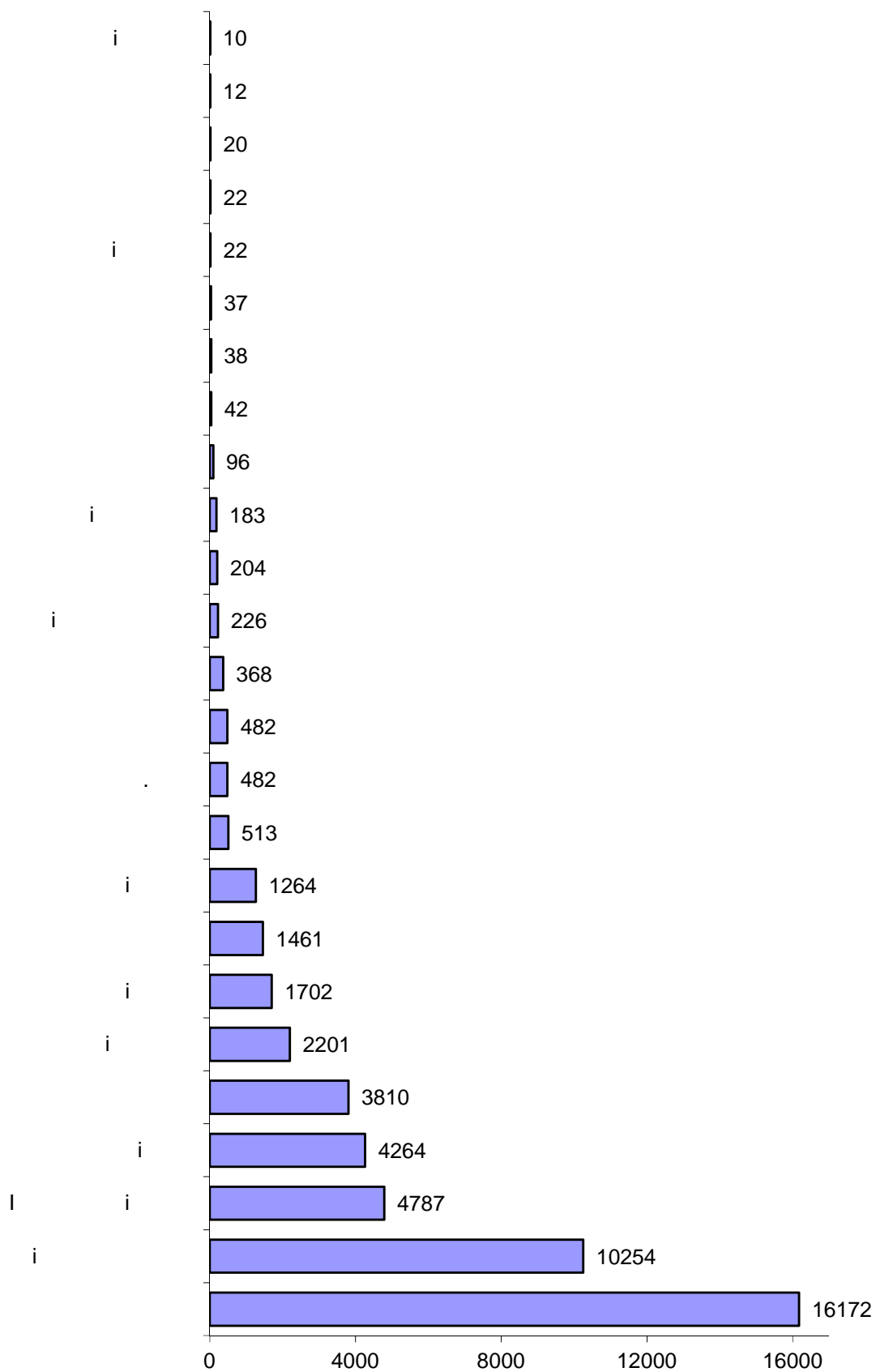
**2.2. Coal consumption by Regions : 2015 /**

( . / thousand ton)



## 2.2. : 2016 / Coal onsumption by Regions

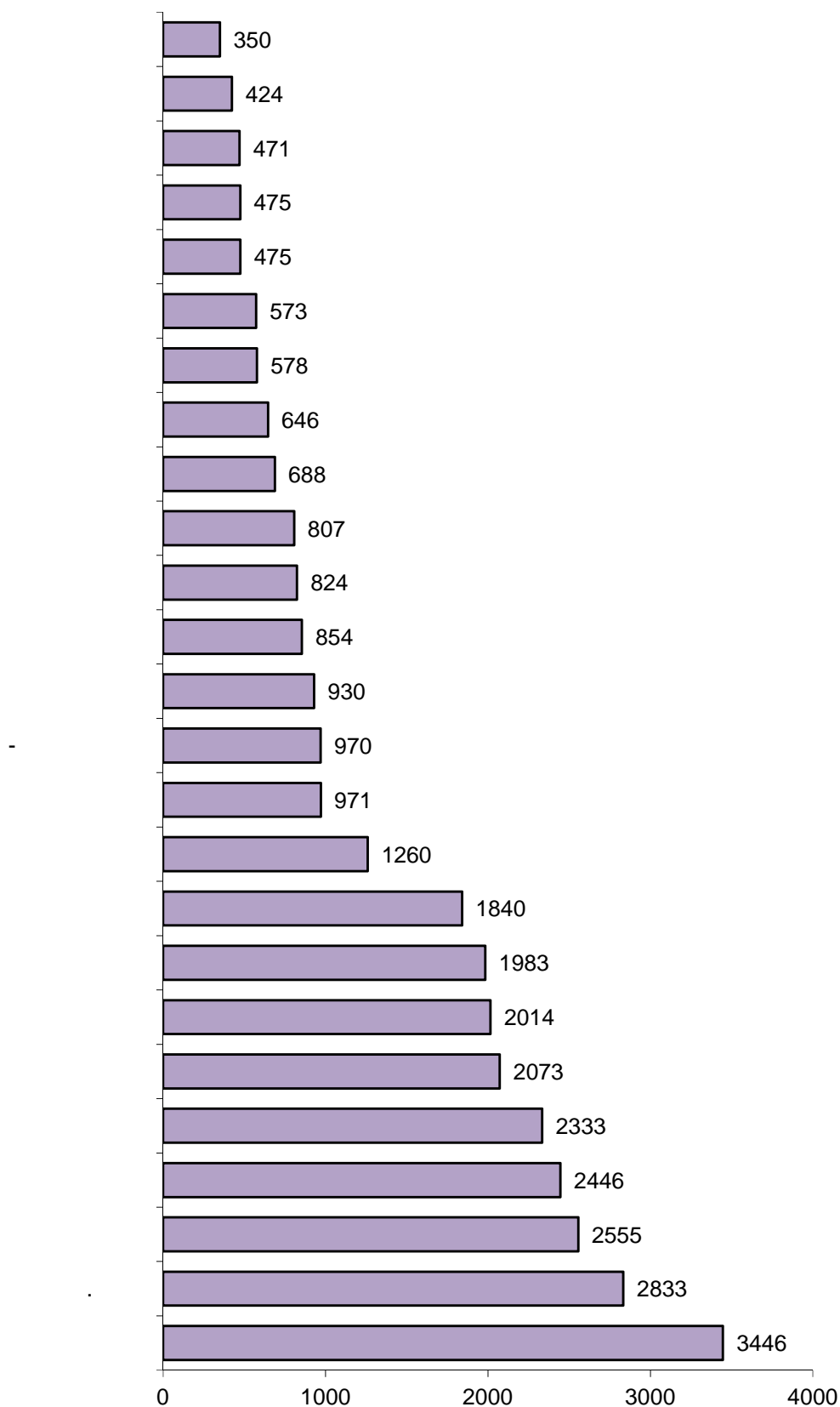
( / thousand ton)



## 2.3.

: 2015 /

## Coal consumption by Regions

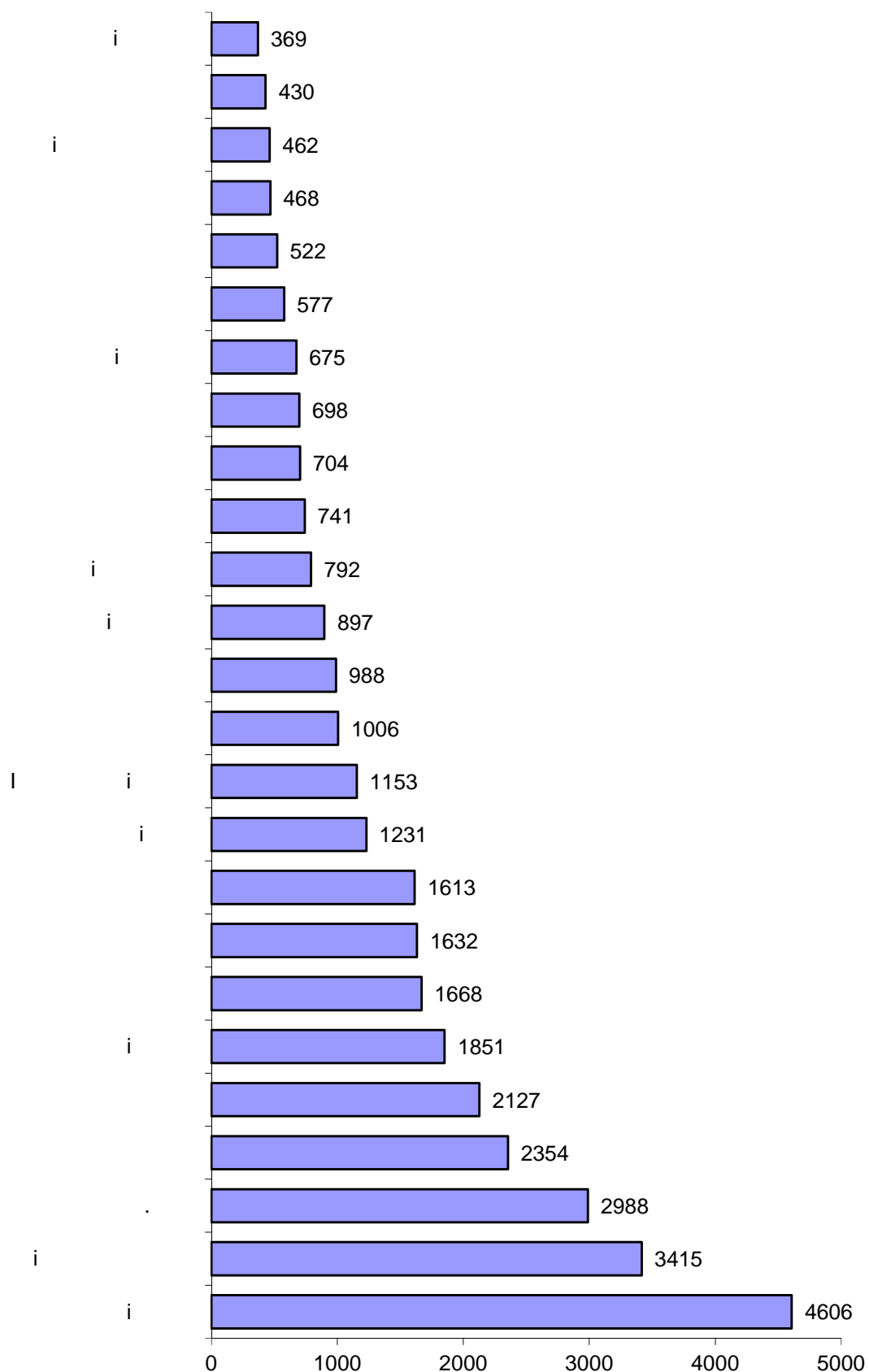
( . <sup>3</sup>/mln. m<sup>3</sup>)



## 2.3.

: 2016 /

## Natural Gas consumption by Regions

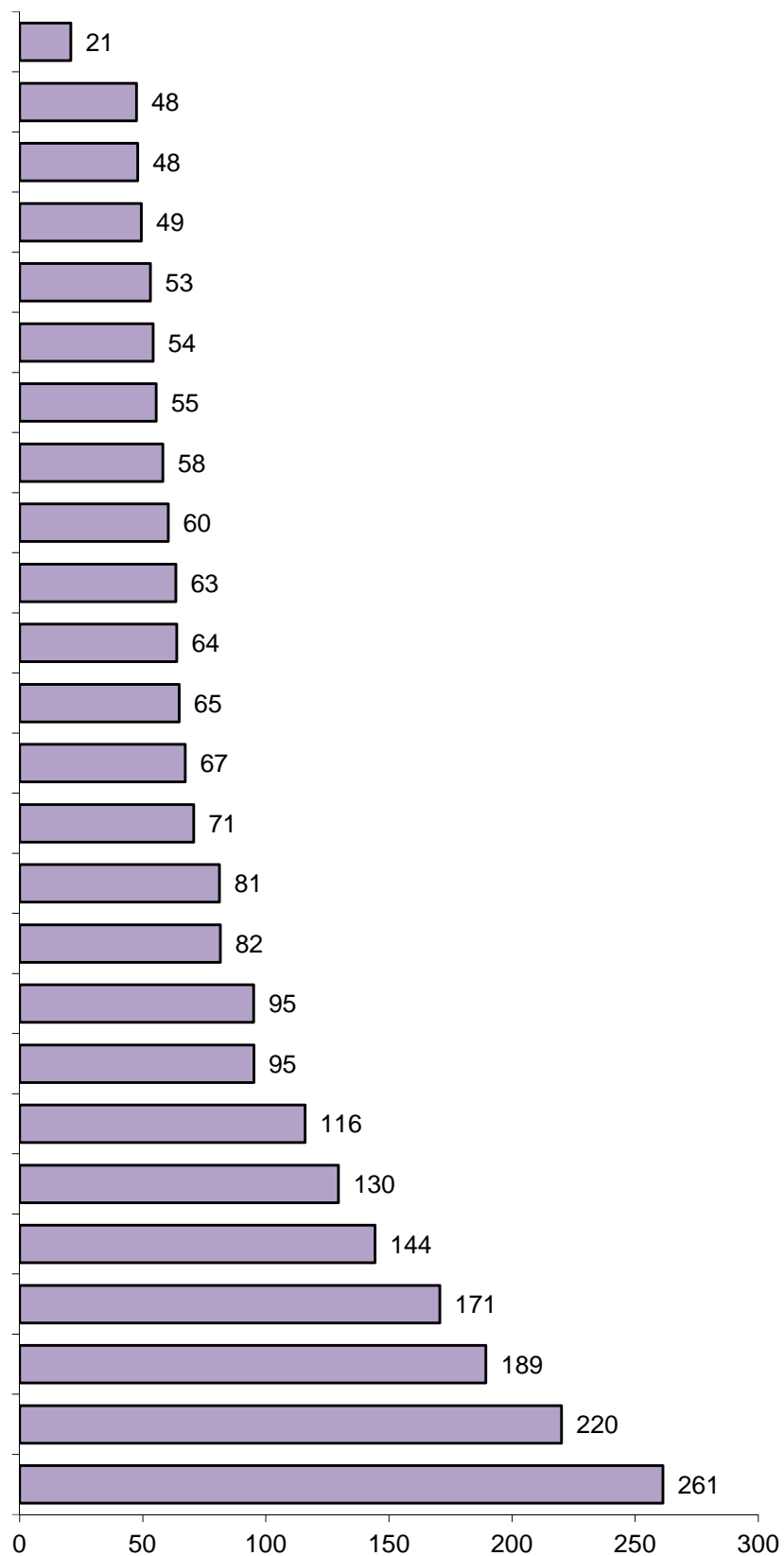
( . <sup>3</sup> / mln.m<sup>3</sup>)

## 2.4.

: 2015 /

## Motor Gasoline consumption by Regions

( / thousand ton)

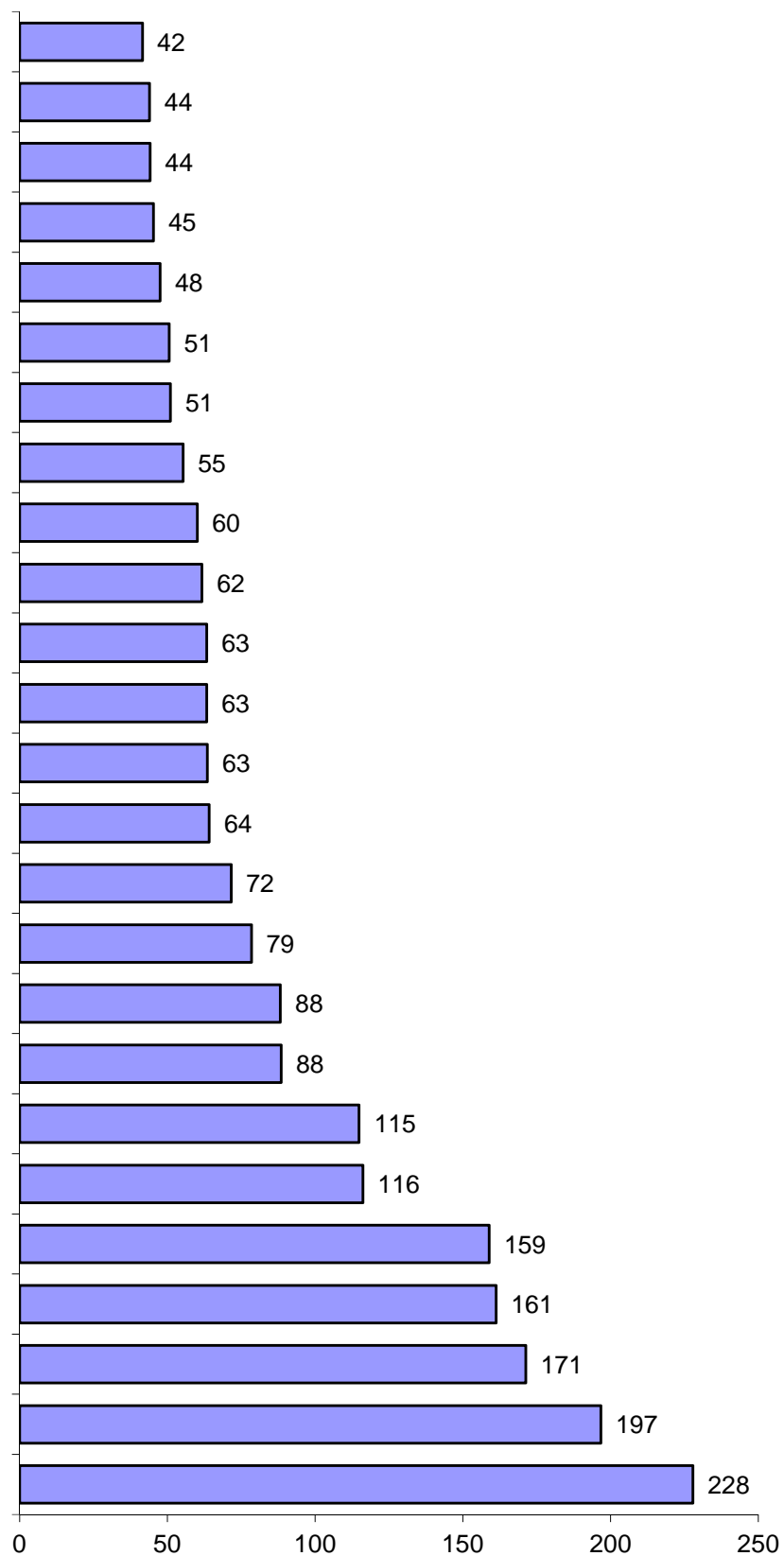


## 2.4.

: 2016 /

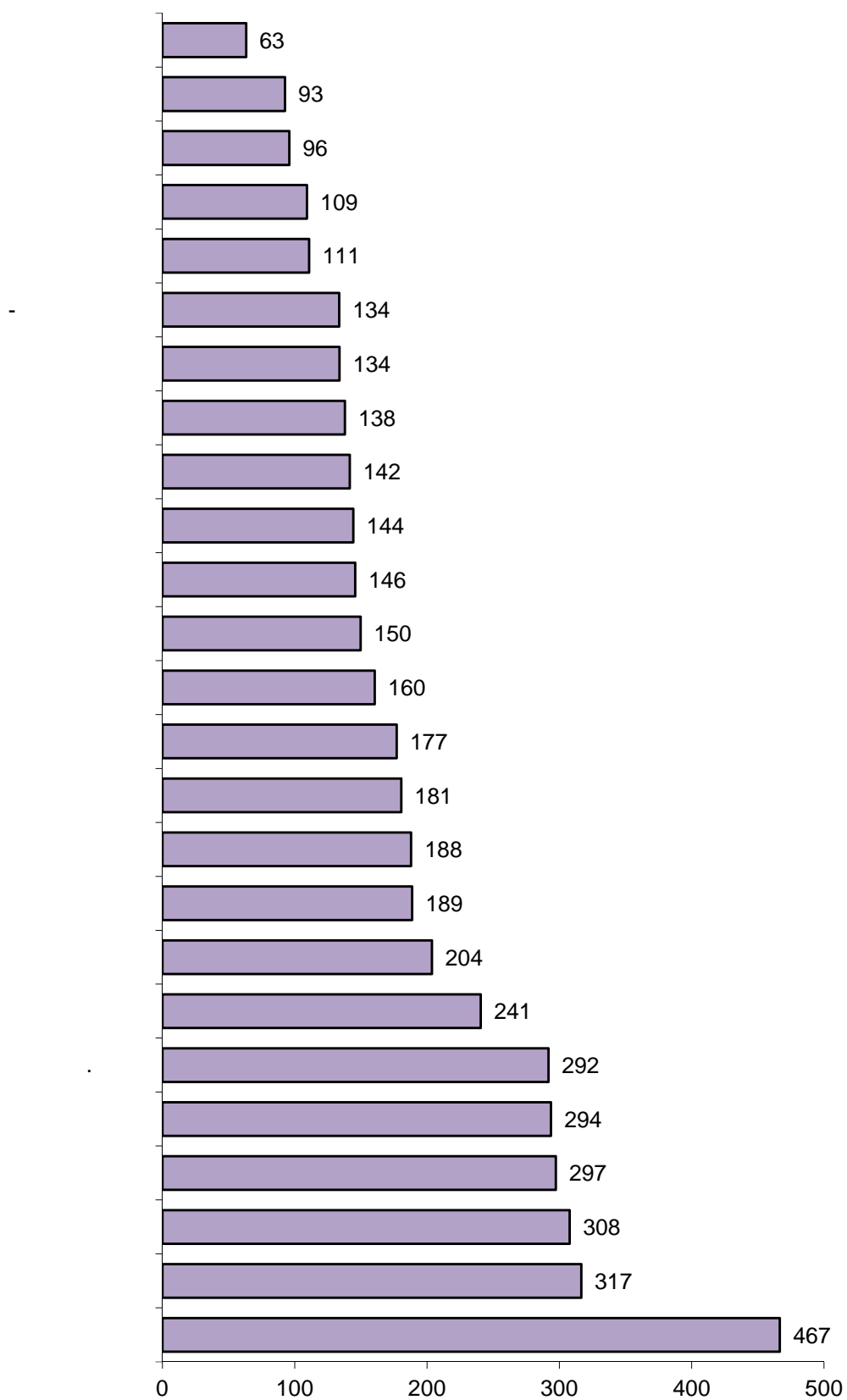
## Motor Gasoline consumption by Regions

( / thousand ton)



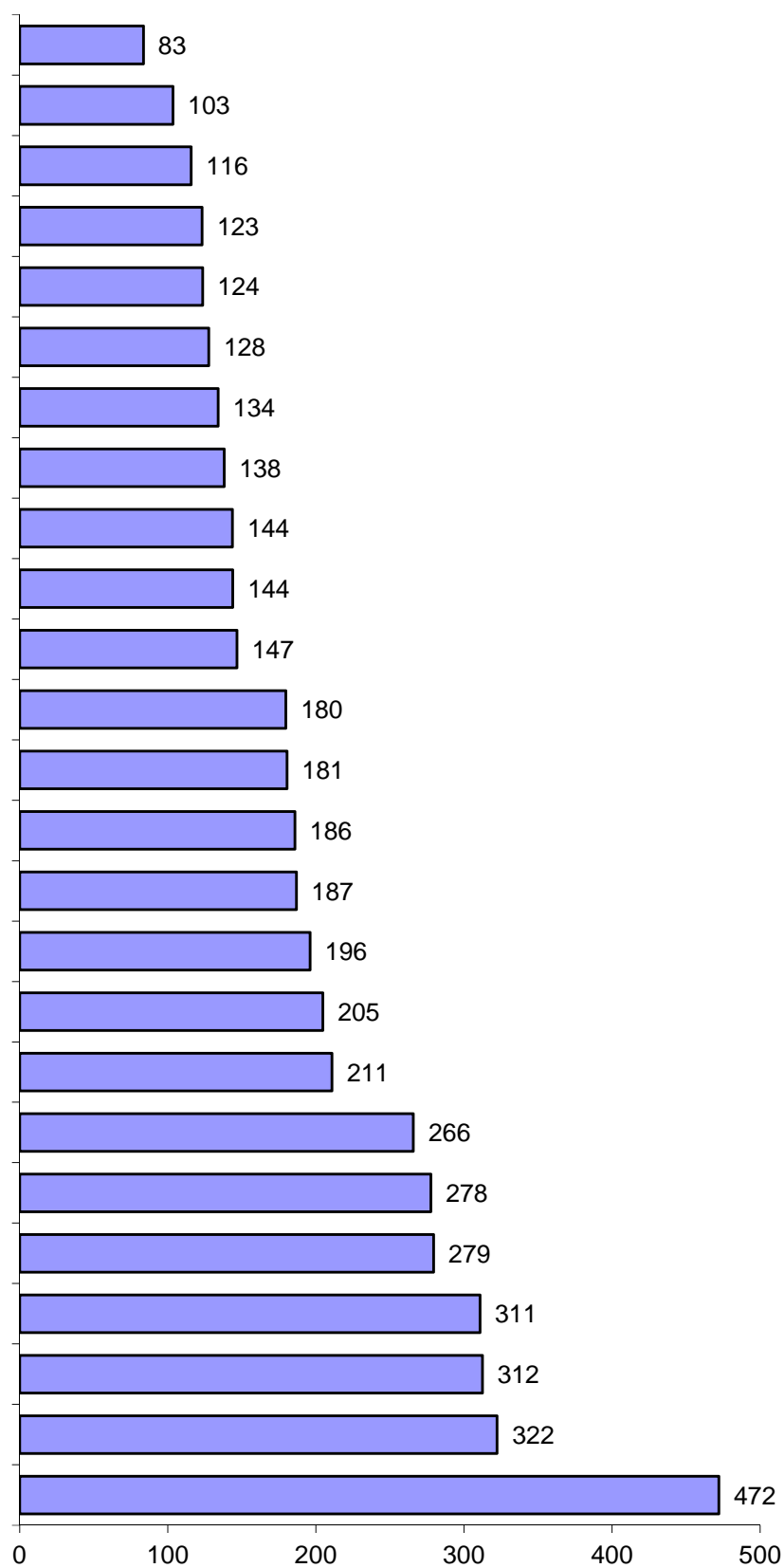
## 2.5. ( ) : 2015 / Road Diesel Consumption by Regions

( . / thousand ton)



## 2.5. ( ) : 2016 / Road Diesel Consumption by Regions

( . / thousand ton)

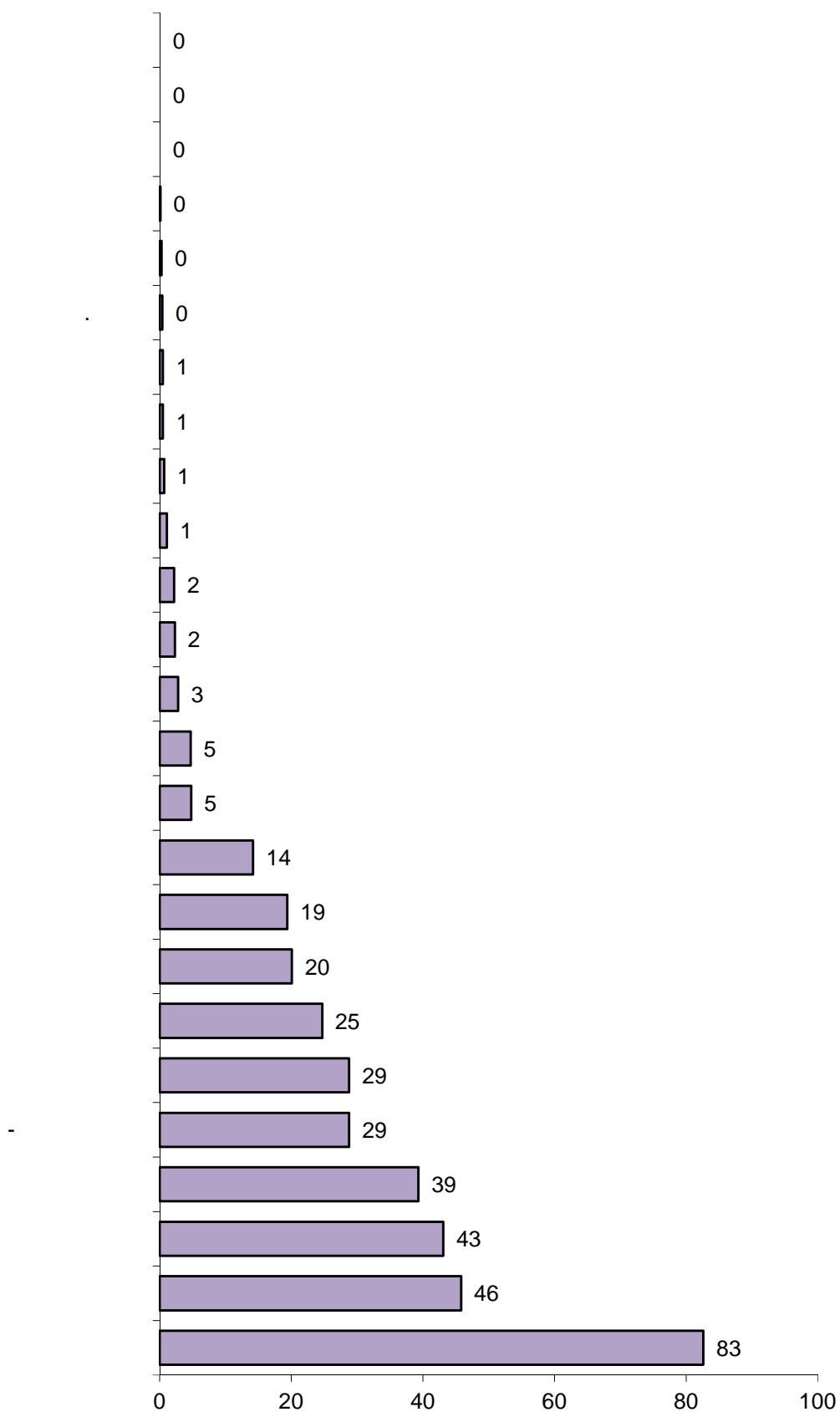


## 2.6.

: 2015 /

## Heavy Fuel Oil Consumption by Regions

( / thousand ton)

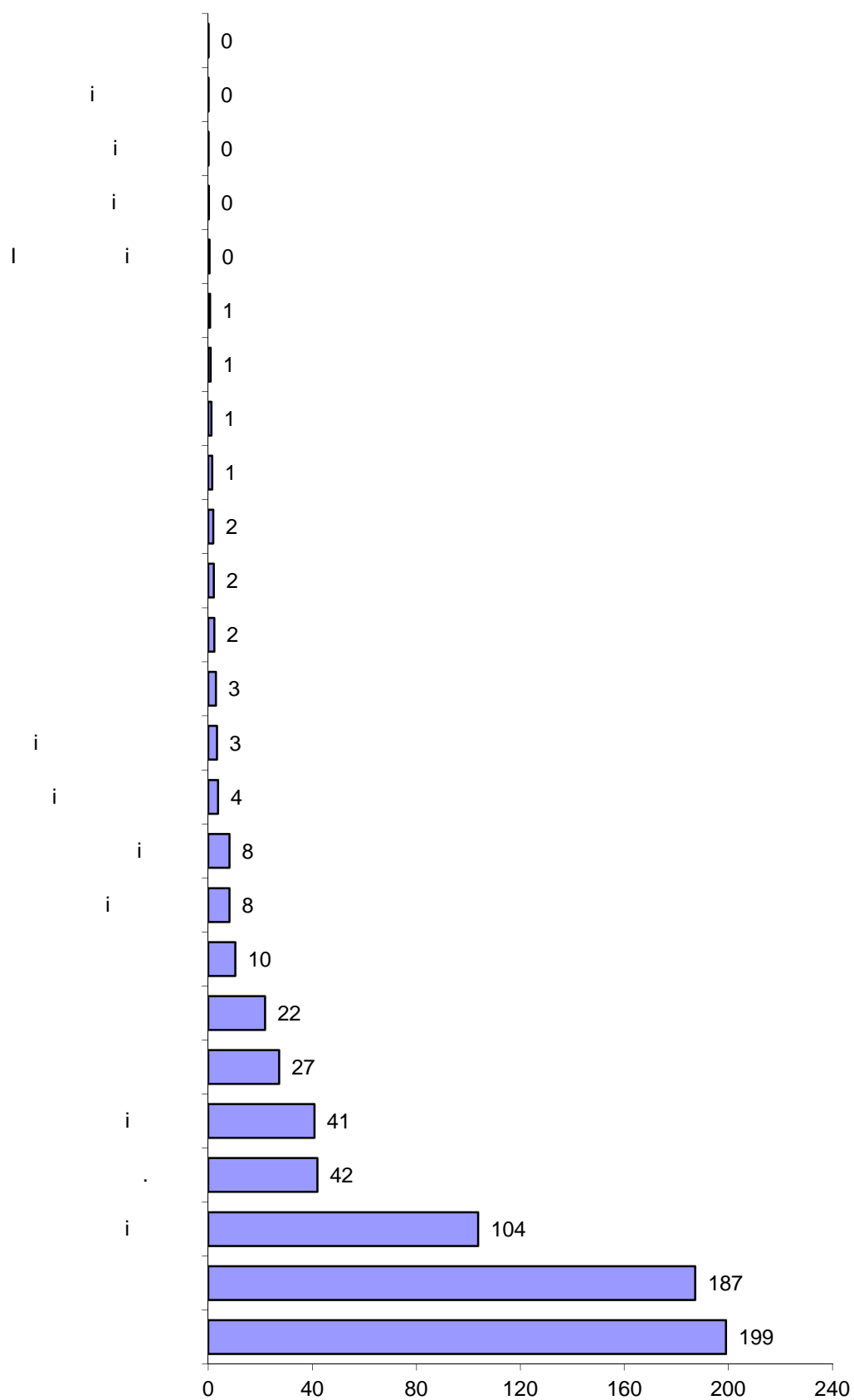


## 2.6.

### Heavy Fuel Oil Consumption by Regions

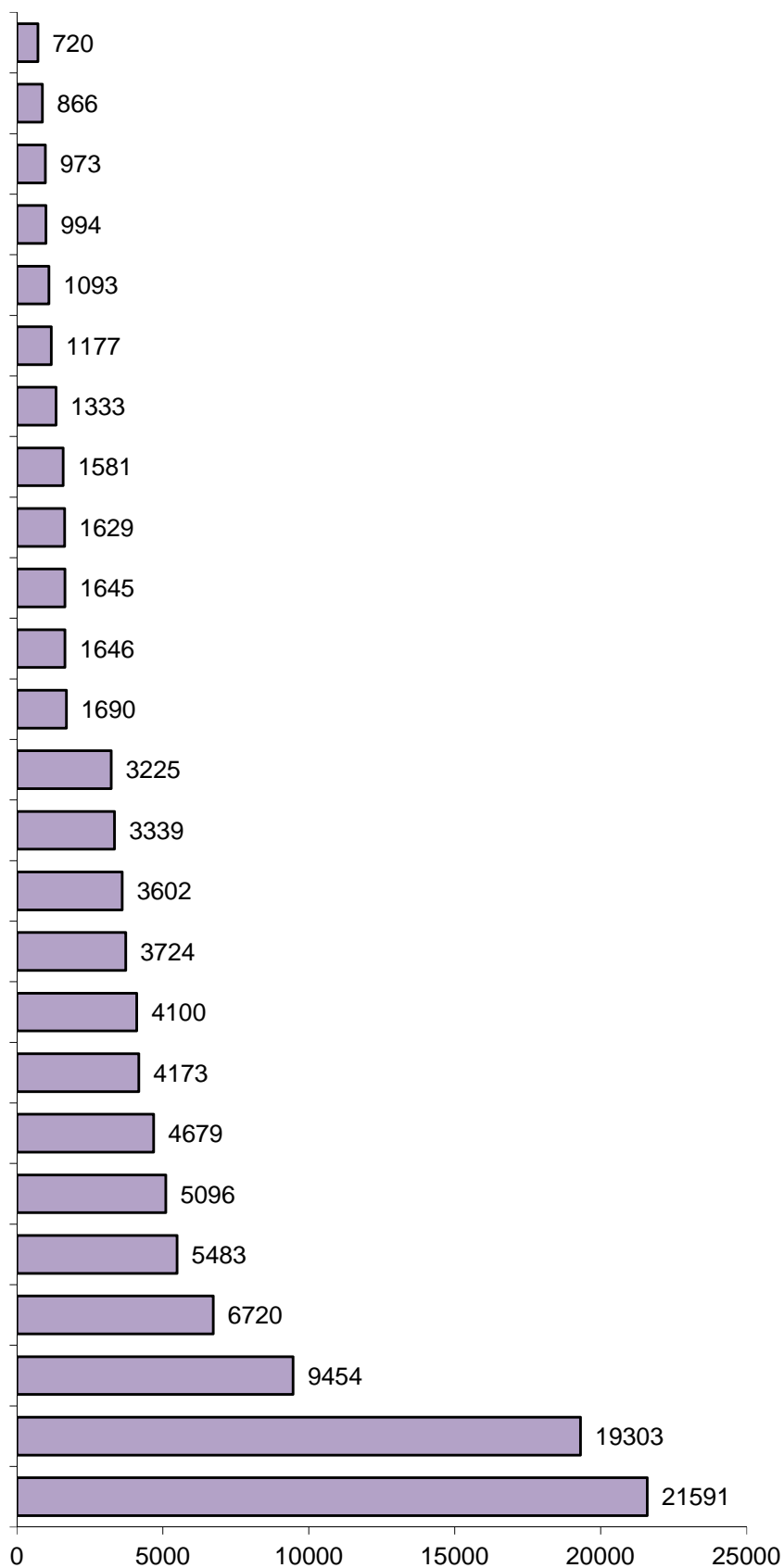
: 2016 /

( . / thousand ton)



## 2.7. Fuel Consumption by Regions : 2015 /

( . . / thousand ton)

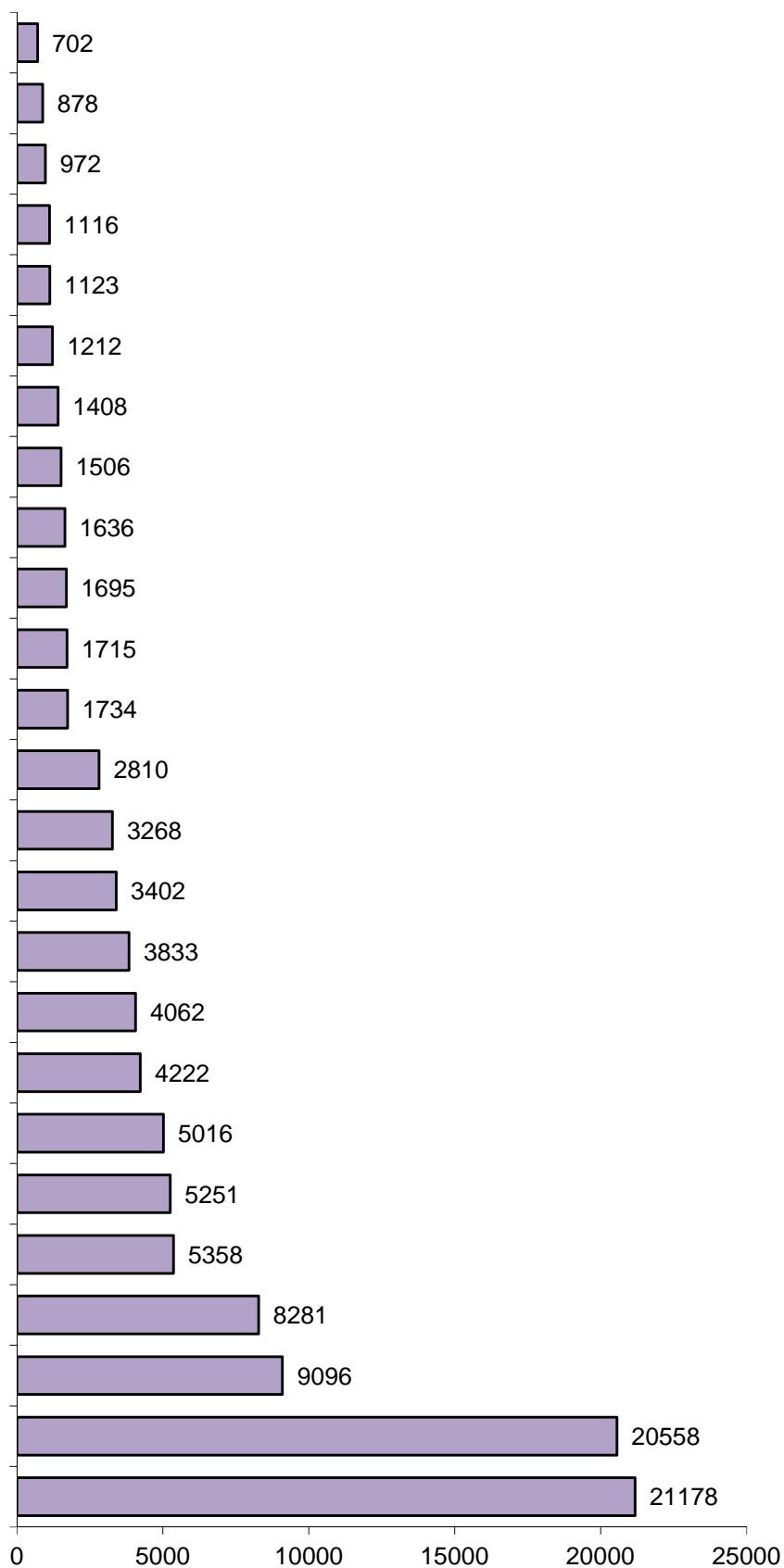




## 2.7. Fuel Consumption by Regions

: 2016 /

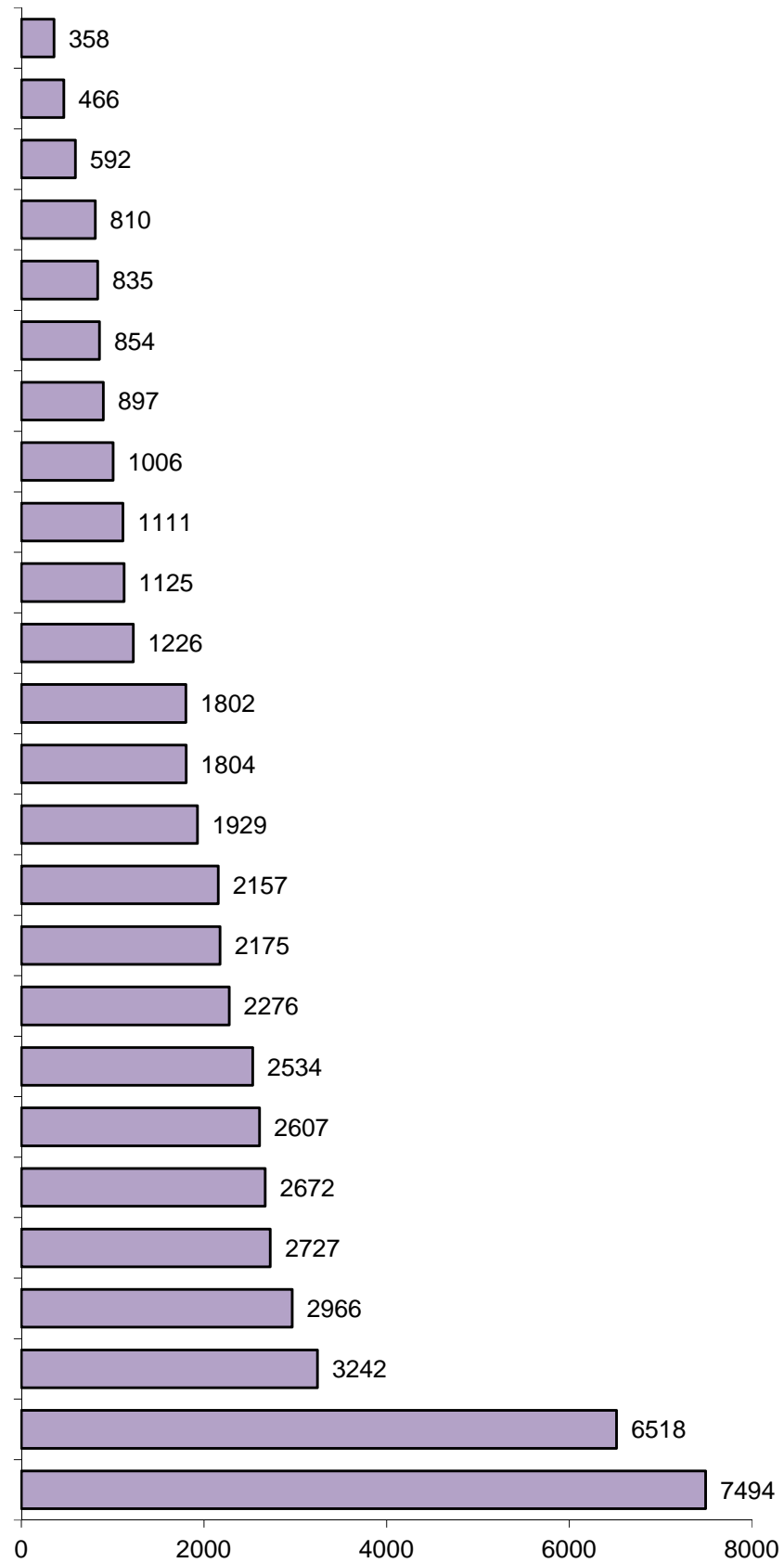
( . . / thousand ton)



## 2.8. : 2015 /

### Heating Consumption by Regions

( . /thsnd.Gcal)

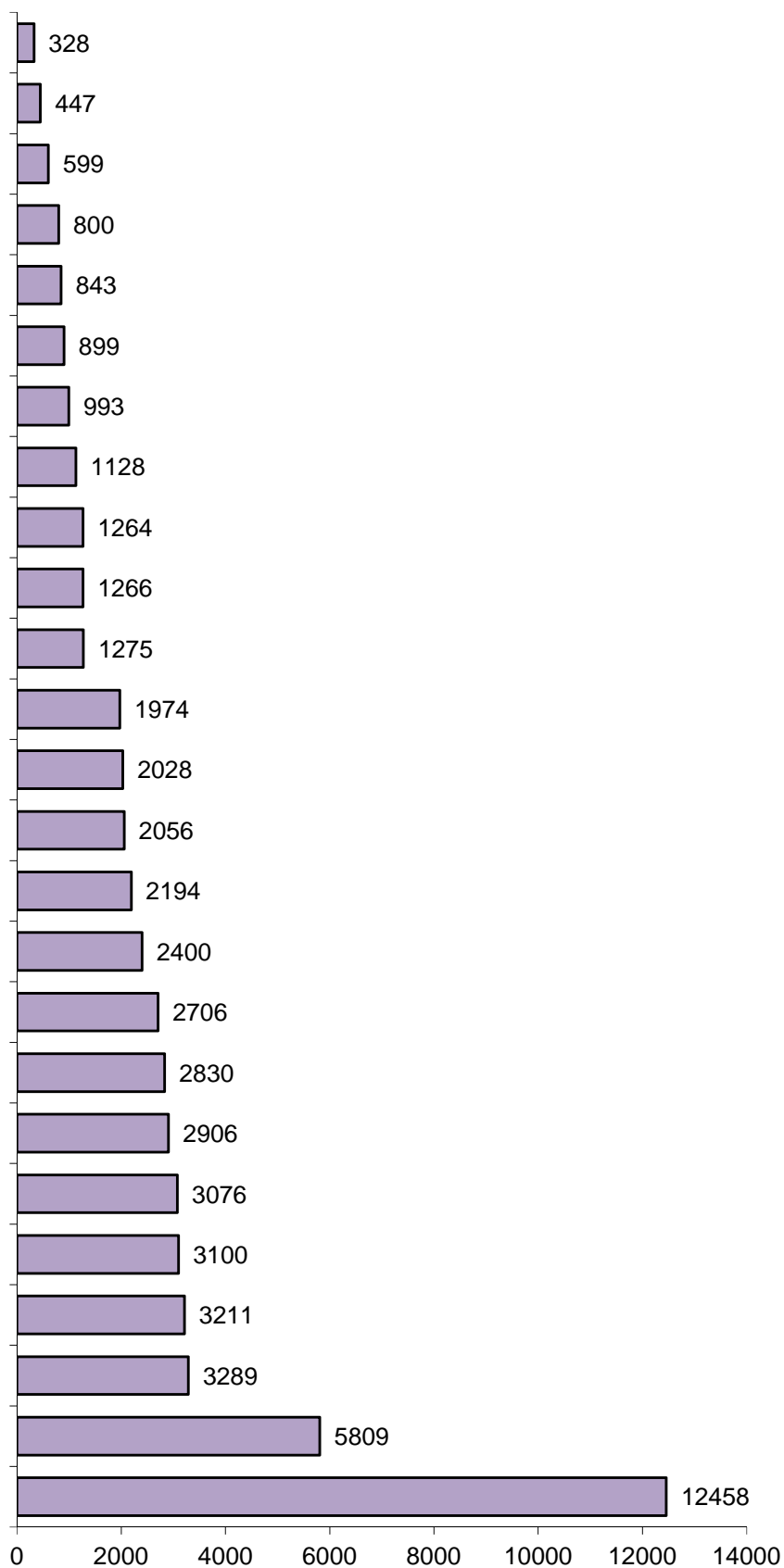


## 2.8.

: 2016 /

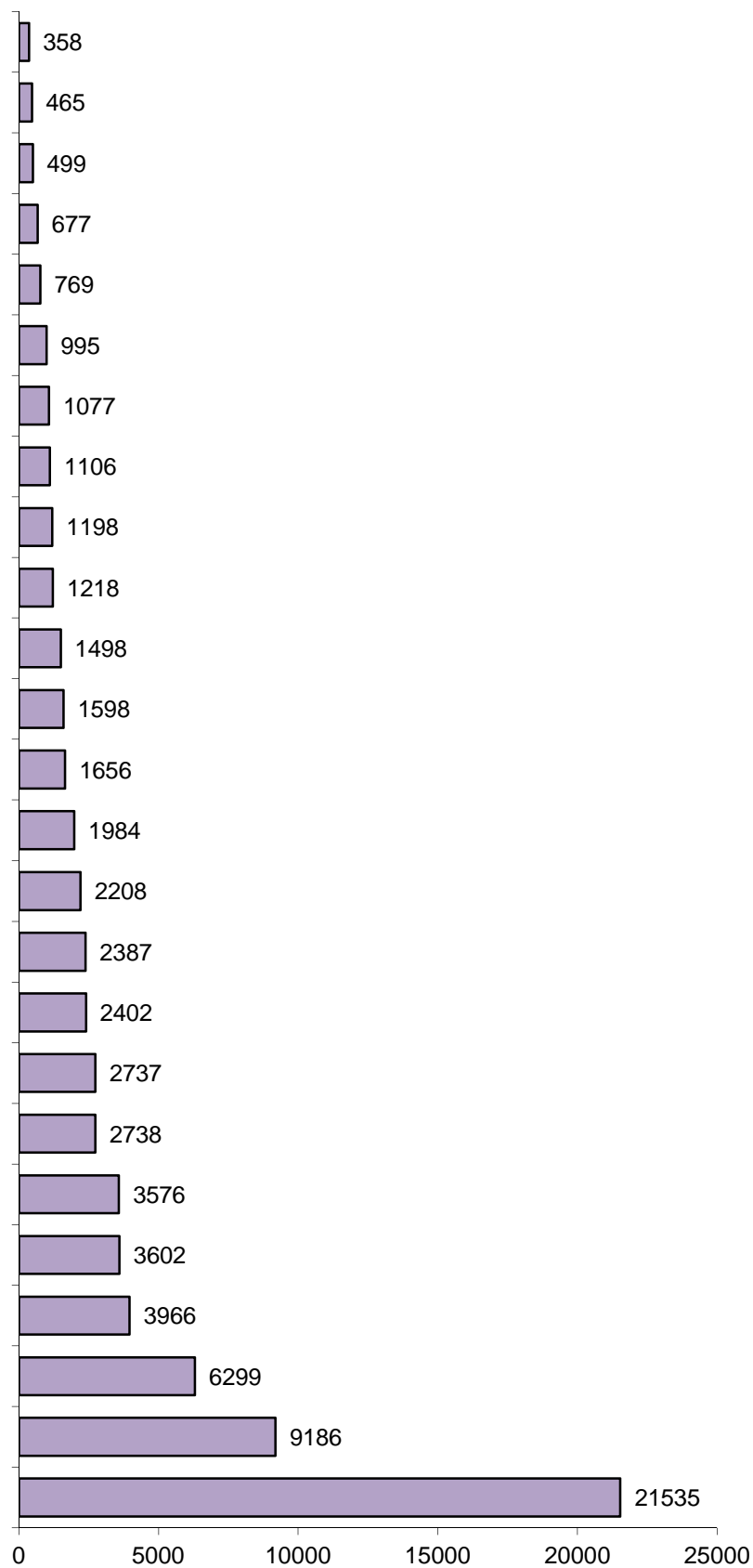
## Heating Consumption by Regions

( . /thsnd.Gcal)



## 2.9. Electricity Consumption by Regions : 2015 /

( . . / mln. kWh)

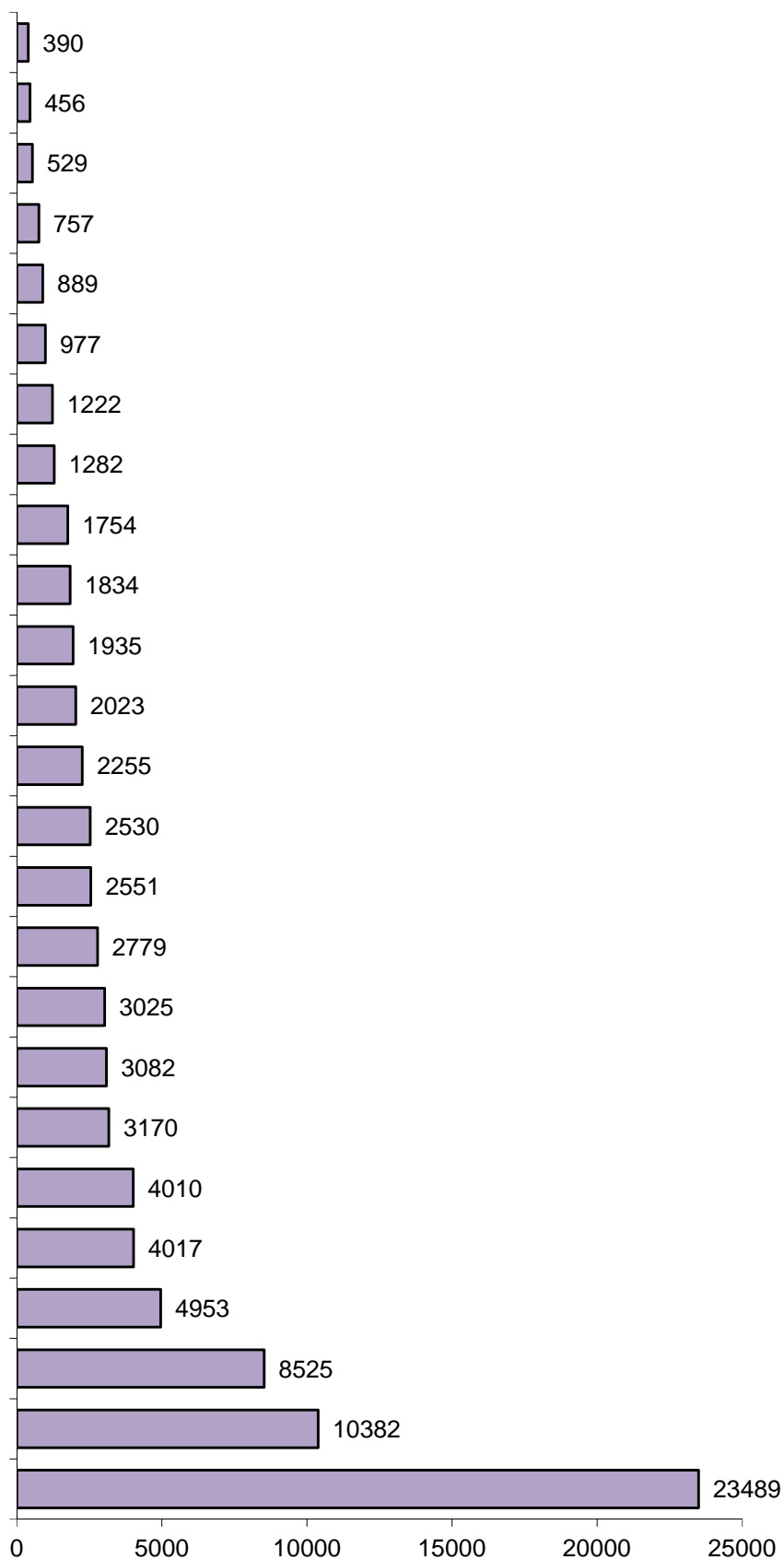


## 2.9.

: 2016 /

## Electricity Consumption by Regions

( . / mln. kWh)



**3.**

**3. The main ways of fuel use by the types of economic**

## 3.1.

## Agriculture, Forestry and Fishing: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t	169659	156670	-	12989	-
	. / tsc	127245	117503	-	9742	-
Brown coal	/ t	122	4	0	118	0
	. / tsc	36	1	0	35	0
Peat	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Hard coal briquettes	/ t	58	47	0	12	-
	. / tsc	34	27	0	7	-
Brown coal briquettes (BKB)	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat briquettes	/ t	729	214	-	516	-
	. / tsc	365	107	-	258	-
Coal coke and coke breeze; gas coke	/ t	668	-	-	668	-
	. / tsc	650	-	-	650	-
Pitch and coal pitch	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-

3.1 / Continuation of the table 3.1

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	382780 444024	202245 234604	125 145	180405 209269	5 5
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	153 219	-	-	153 219	-
Motor gasoline	/ t ./ tsc	145261 216439	8 11	15 22	145211 216365	28 41
Road diesel	/ t ./ tsc	1379700 2000565	52 75	109 158	1379526 2000312	13 19
Kerosene	/ t ./ tsc	1753 2565	-	3 4	1750 2562	-
Heavy fuel oil	/ t ./ tsc	1211 1659	-	12 17	1199 1642	-
Light oil distillates and light fractions	/ t ./ tsc	51 75	-	0 0	51 74	-
Middle oil distillates, other middle fractions	/ t ./ tsc	980 1421	-	-	980 1421	-
/ Lubricants	/ t ./ tsc	21412 29334	-	19990 27387	1421 1947	0 0
Liquefied petroleum gases (LPG)	/ t ./ tsc	31165 48928	-	18 28	31147 48901	-
Oil bitumen	/ t ./ tsc	4210 5683	-	4197 5665	13 18	-



3.1 / Continuation of the table 3.1

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	2 3	-	-	2 3	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	76 110	-	2 3	74 107	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	9322 5342	5321 3049	-	4001 2293	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	231465 61338	145170 38470	9902 2624	76393 20244	-
Wood shavings and chips	/ t ./ tsc	47630 17147	42035 15133	3368 1212	2227 802	-
Other solid biofuel obtained from plants	/ t ./ tsc	42229 19443	20247 8815	-	21982 10627	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	22193 38172	22193 38172	-	-	-

## 3.2. / Industry: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	47717742 35788307	44311408 33233556	163057 122293	3240610 2430457	2668 2001
Brown coal	/ t ./ tsc	3875 1139	3006 884	425 125	444 131	- -
Peat	/ t ./ tsc	448207 144323	391388 126027	128 41	54686 17609	2005 646
Hard coal briquettes	/ t ./ tsc	2235 1319	1355 799	- -	881 520	- -
Brown coal briquettes (BKB)	/ t ./ tsc	12 7	- -	- -	12 7	- -
Peat briquettes	/ t ./ tsc	47895 23947	40345 20172	- -	6580 3290	970 485
Coal coke and coke breeze; gas coke	/ t ./ tsc	13203285 12846796	4518794 4396786	493515 480190	8159949 7939630	31028 30190
Pitch and coal pitch	/ t ./ tsc	23148 29398	- -	23141 29389	7 9	- -
Coal, brown coal or peat tar	/ t ./ tsc	79469 103310	- -	79469 103310	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	3727712 2128523	898081 512804	- -	2829631 1615719	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	29094354 4247776	9701769 1416458	50432 7363	19094490 2787796	247663 36159
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	183155 60441	125253 41333	- -	57902 19108	- -

3.2 / Continuation of the table 3.2

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	76315 23887	62433 19542	- -	13882 4345	- -
Natural gas	thsd. m <sup>3</sup> ./ tsc	17701386 20533607	10104575 11721306	2290130 2656551	4707448 5460639	599233 695111
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	151408 216513	139035 198821	2665 3812	2866 4098	6841 9782
Natural gas liquids (NGL)	/ t ./ tsc	547179 782466	543083 776608	2175 3111	1922 2748	- -
Motor gasoline	/ t ./ tsc	150118 223676	26 39	150 223	149942 223414	- -
Road diesel	/ t ./ tsc	764465 1108474	2939 4262	1251 1814	760271 1102392	3 5
Kerosene	/ t ./ tsc	6958 10133	- -	1134 1664	5824 8469	- -
Heavy fuel oil	/ t ./ tsc	625558 857014	619079 848139	1653 2265	4825 6610	- -
Light oil distillates and light fractions	/ t ./ tsc	1582 2294	210 305	809 1173	551 799	12 17
Middle oil distillates, other middle fractions	/ t ./ tsc	11045 16015	6436 9332	58 84	4487 6506	64 93
/ Lubricants	/ t ./ tsc	144245 197616	361 494	142457 195165	1428 1956	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	60132 94407	2 3	334 525	59742 93795	54 84
Oil bitumen	/ t ./ tsc	86714 117064	- -	76564 103362	10150 13702	- -

3.2 / Continuation of the table 3.2

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	385 570	- -	342 506	43 63	- -
Petroleum coke	/ t ./ tsc	26478 28596	617 666	25852 27920	9 10	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	21916 32654	- -	- -	21916 32654	- -
Additives	/ t ./ tsc	2189 3173	- -	2111 3061	77 112	- -
Etan	/ t ./ tsc	4 6	- -	- -	4 6	- -
Other oil products	/ t ./ tsc	35381 51303	29962 43445	4822 6991	597 866	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	391 364	243 226	125 116	24 22	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	253028 144985	166152 95205	61278 35112	25599 14668	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	842894 223367	670943 177800	15330 4063	156621 41505	- -
Wood shavings and chips	/ t ./ tsc	403831 145379	385741 138867	1014 365	17077 6148	- -
Other solid biofuel obtained from plants	/ t ./ tsc	783264 258407	679006 221332	21978 7253	82264 29818	16 5
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	18851 32423	15134 26031	- -	3717 6392	- -

## 3.2.1.

## / Mining and Quarrying: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	306769 230077	283686 212765	614 460	22469 16852	- -
Brown coal	/ t ./ tsc	42 12	10 3	- -	32 9	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	77 39	50 25	- -	27 14	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	189983 184854	- -	- -	189983 184854	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.1 / Continuation of the table 3.2.1

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	1812015 2101938	209617 243156	591158 685743	1002515 1162918	8725 10121
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	79411 113558	67538 96579	2665 3812	2807 4014	6401 9154
Natural gas liquids (NGL)	/ t ./ tsc	492925 704883	489153 699489	2033 2907	1740 2487	- -
Motor gasoline	/ t ./ tsc	25566 38093	1 2	14 20	25551 38070	- -
Road diesel	/ t ./ tsc	307377 445696	2044 2964	941 1364	304392 441368	- -
Kerosene	/ t ./ tsc	1286 1887	- -	742 1090	544 796	- -
Heavy fuel oil	/ t ./ tsc	4486 6146	3987 5462	495 678	4 6	- -
Light oil distillates and light fractions	/ t ./ tsc	122 177	- -	122 177	- -	- -
Middle oil distillates, other middle fractions	/ t ./ tsc	1697 2461	- -	5 7	1693 2454	- -
/ Lubricants	/ t ./ tsc	13604 18637	- -	13250 18153	353 484	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	663 1042	- -	3 5	660 1036	- -
Oil bitumen	/ t ./ tsc	677 913	- -	676 913	1 1	- -

3.2.1 / Continuation of the table 3.2.1

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	5 7	- -	5 7	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	21780 32452	- -	- -	21780 32452	- -
Additives	/ t ./ tsc	14 20	- -	14 20	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	131 189	27 39	95 138	9 12	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	6 3	- -	- -	6 3	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	4020 1065	1981 525	118 31	1921 509	- -
Wood shavings and chips	/ t ./ tsc	3 1	- -	3 1	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	27441 9056	27437 9054	- -	4 1	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.1.1.

## / Mining of coal and lignite: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	302228 226671	281083 210812	- -	21145 15859	- -
Brown coal	/ t ./ tsc	32 9	- -	- -	32 9	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	37 36	- -	- -	37 36	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -



3.2.1.1 / Continuation of the table 3.2.1.1

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	16350 18966	16215 18810	- -	135 156	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	- -	- -	- -	- -	- -
Natural gas liquids (NGL)	/ t ./ tsc	- -	- -	- -	- -	- -
Motor gasoline	/ t ./ tsc	4621 6885	- -	7 10	4614 6875	- -
Road diesel	/ t ./ tsc	17854 25888	388 562	884 1281	16583 24045	- -
Kerosene	/ t ./ tsc	795 1167	- -	733 1076	62 91	- -
Heavy fuel oil	/ t ./ tsc	1 2	- -	- -	1 2	- -
Light oil distilates and light fractions	/ t ./ tsc	35 50	- -	35 50	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	3 4	- -	3 4	- -	- -
/ Lubricants	/ t ./ tsc	3235 4432	- -	3235 4432	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	44 69	- -	- -	44 69	- -
Oil bitumen	/ t ./ tsc	16 22	- -	16 21	1 1	- -

3.2.1.1 / Continuation of the table 3.2.1.1

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	5 7	- -	5 7	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	13 19	- -	13 19	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	11 16	- -	11 16	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	- -	- -	- -	- -	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	919 243	603 160	- -	315 84	- -
Wood shavings and chips	/ t ./ tsc	- -	- -	- -	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	- -	- -	- -	- -	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.1.2.

/

**Extraction of crude petroleum and natural gas: 2016**

	Unit	Total	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	132 99	- -	- -	132 99	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	- -	- -	- -	- -	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.1.2 / Continuation of the table 3.2.1.2

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	1349950 1565942	118019 136902	591158 685743	632047 733175	8725 10121
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	79300 113400	67538 96579	2555 3653	2807 4014	6401 9154
Natural gas liquids (NGL)	/ t ./ tsc	492905 704854	489153 699489	2033 2907	1719 2458	- -
Motor gasoline	/ t ./ tsc	12455 18558	1 2	7 10	12446 18545	- -
Road diesel	/ t ./ tsc	20963 30396	62 90	54 78	20847 30228	- -
Kerosene	/ t ./ tsc	1 1	- -	1 1	- -	- -
Heavy fuel oil	/ t ./ tsc	495 678	- -	495 678	- -	- -
Light oil distillates and light fractions	/ t ./ tsc	0 0	- -	0 0	- -	- -
Middle oil distillates, other middle fractions	/ t ./ tsc	2 3	- -	2 3	- -	- -
/ Lubricants	/ t ./ tsc	969 1327	- -	969 1327	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	166 261	- -	- -	166 261	- -
Oil bitumen	/ t ./ tsc	92 125	- -	92 125	- -	- -

3.2.1.2 / Continuation of the table 3.2.1.2

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t . / tsc	-	-	-	-	-
Petroleum coke	/ t . / tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t . / tsc	21780 32452	-	-	21780 32452	-
Additives	/ t . / tsc	-	-	-	-	-
Etan	/ t . / tsc	-	-	-	-	-
Other oil products	/ t . / tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> . / tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t . / tsc	-	-	-	-	-
Fuel wood	/ density, m <sup>3</sup> . / tsc	-	-	-	-	-
Wood shavings and chips	/ t . / tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t . / tsc	-	-	-	-	-
Liquified biofuel	/ t . / tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> . / tsc	-	-	-	-	-

## 3.2.1.3.

## / Mining of metal ores: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	852 639	384 288	- -	468 351	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	189945 184817	- -	- -	189945 184817	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.1.3 / Continuation of the table 3.2.1.3

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	402124 466463	58697 68089	- -	343426 398375	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	4681 6975	- -	0 0	4681 6975	- -
Road diesel	/ t ./ tsc	189609 274934	- -	0 0	189609 274933	- -
Kerosene	/ t ./ tsc	354 521	- -	2 2	353 519	- -
Heavy fuel oil	/ t ./ tsc	3957 5422	3957 5422	- -	- -	- -
Light oil distilates and light fractions	/ t ./ tsc	88 127	- -	88 127	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	7071 9687	- -	6922 9483	148 203	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	74 116	- -	- -	74 116	- -
Oil bitumen	/ t ./ tsc	74 99	- -	74 99	- -	- -

3.2.1.3 / Continuation of the table 3.2.1.3

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	0	-	0	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	110 159	27 39	83 120	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	-	-	-	-	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	249 66	63 17	118 31	68 18	-
Wood shavings and chips	/ t ./ tsc	3 1	-	3 1	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	4 1	-	-	4 1	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-



## 3.2.1.4.

## Other mining and quarrying: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	3404 2553	2073 1555	614 460	717 537	- -
Brown coal	/ t ./ tsc	10 3	10 3	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	77 39	50 25	- -	27 14	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	1 1	- -	- -	1 1	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.1.4 / Continuation of the table 3.2.1.4

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	40824 47356	15410 17875	- -	25414 29481	- -
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	2884 4297	- -	- -	2884 4297	- -
Road diesel	/ t ./ tsc	71313 103404	27 39	- -	71286 103365	- -
Kerosene	/ t ./ tsc	135 196	- -	7 11	128 185	- -
Heavy fuel oil	/ t ./ tsc	3 4	- -	- -	3 4	- -
Light oil distillates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distillates, other middle fractions	/ t ./ tsc	1693 2454	-	-	1693 2454	-
/ Lubricants	/ t ./ tsc	2065 2829	-	1920 2630	145 199	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	345 542	-	1 1	344 541	- -
Oil bitumen	/ t ./ tsc	494 667	-	494 667	- -	- -

3.2.1.4 / Continuation of the table 3.2.1.4

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	10 14	-	1 1	9 12	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	6 3	-	-	6 3	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	2736 725	1243 329	-	1493 396	-
Wood shavings and chips	/ t ./ tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	27437 9054	27437 9054	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

## 3.2.1.5.

## / Mining support service activities: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	154 116	147 110	- -	8 6	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	- -	- -	- -	- -	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.1.5 / Continuation of the table 3.2.1.5

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	2768 3211	1275 1479	- -	1493 1732	- -
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	111 159	- -	111 159	- -	- -
Natural gas liquids (NGL)	/ t ./ tsc	21 29	- -	- -	21 29	- -
Motor gasoline	/ t ./ tsc	925 1378	- -	- -	925 1378	- -
Road diesel	/ t ./ tsc	7638 11075	1568 2273	3 5	6067 8797	- -
Kerosene	/ t ./ tsc	1 2	- -	- -	1 2	- -
Heavy fuel oil	/ t ./ tsc	30 41	30 41	- -	- -	- -
Light oil distillates and light fractions	/ t ./ tsc	0 0	- -	0 0	- -	- -
Middle oil distillates, other middle fractions	/ t ./ tsc	- -	- -	- -	- -	- -
/ Lubricants	/ t ./ tsc	264 362	- -	204 280	60 82	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	34 54	- -	3 4	32 50	- -
Oil bitumen	/ t ./ tsc	1 1	- -	1 1	- -	- -

3.2.1.5 / Continuation of the table 3.2.1.5

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	-	-	-	-	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	116 31	71 19	-	45 12	-
Wood shavings and chips	/ t ./ tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	-	-	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

## 3.2.2.

## / Manufacturing: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t	15902806	12721635	162416	3018754	-
	. / tsc	11927104	9541226	121812	2264066	-
Brown coal	/ t	1248	417	425	406	-
	. / tsc	367	123	125	119	-
Peat	/ t	446960	390142	128	54686	2005
	. / tsc	143921	125626	41	17609	646
Hard coal briquettes	/ t	1107	228	-	879	-
	. / tsc	653	134	-	519	-
Brown coal briquettes (BKB)	/ t	12	-	-	12	-
	. / tsc	7	-	-	7	-
Peat briquettes	/ t	39364	31865	-	6528	970
	. / tsc	19682	15933	-	3264	485
Coal coke and coke breeze; gas coke	/ t	13013231	4518794	493505	7969905	31028
	. / tsc	12661874	4396786	480180	7754717	30190
Pitch and coal pitch	/ t	23148	-	23141	7	-
	. / tsc	29398	-	29389	9	-
Coal, brown coal or peat tar	/ t	79469	-	79469	-	-
	. / tsc	103310	-	103310	-	-
Coke oven gas	thsd. m <sup>3</sup>	3683874	854243	-	2829631	-
	. / tsc	2103492	487773	-	1615719	-
Blast furnace gas	thsd. m <sup>3</sup>	28535890	9143305	50432	19094490	247663
	. / tsc	4166240	1334923	7363	2787796	36159
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	183155	125253	-	57902	-
	. / tsc	60441	41333	-	19108	-

3.2.2 / Continuation of the table 3.2.2

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	13882 4345	- -	- -	13882 4345	- -
Natural gas	thsd. m <sup>3</sup> ./ tsc	6733685 7811075	2207943 2561214	1613797 1872004	2909975 3375571	1971 2286
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	71996 102955	71498 102242	- -	59 84	440 629
Natural gas liquids (NGL)	/ t ./ tsc	54254 77583	53930 77120	142 203	182 260	- -
Motor gasoline	/ t ./ tsc	80615 120116	2 3	131 195	80482 119917	- -
Road diesel	/ t ./ tsc	374502 543028	416 603	308 447	373775 541974	3 5
Kerosene	/ t ./ tsc	5597 8135	- -	374 547	5223 7588	- -
Heavy fuel oil	/ t ./ tsc	29445 40339	25474 34900	1154 1581	2817 3859	- -
Light oil distillates and light fractions	/ t ./ tsc	1436 2082	210 305	665 964	549 796	12 17
Middle oil distillates, other middle fractions	/ t ./ tsc	9255 13419	6343 9197	54 78	2794 4052	64 93
/ Lubricants	/ t ./ tsc	124927 171150	361 494	123790 169592	777 1065	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	43186 67802	2 3	294 462	42891 67338	- -
Oil bitumen	/ t ./ tsc	85342 115211	- -	75434 101836	9907 13375	- -



3.2.2 / Continuation of the table 3.2.2

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	380 562	- -	337 499	43 63	- -
Petroleum coke	/ t ./ tsc	26469 28587	617 666	25852 27920	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	136 202	- -	- -	136 202	- -
Additives	/ t ./ tsc	2175 3153	- -	2097 3041	77 112	- -
Etan	/ t ./ tsc	4 6	- -	- -	4 6	- -
Other oil products	/ t ./ tsc	35157 50978	29936 43406	4662 6760	559 811	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	171 159	22 20	125 116	24 22	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	181224 103842	95901 54952	61278 35112	24045 13778	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	456142 120878	294444 78028	15211 4031	146487 38819	- -
Wood shavings and chips	/ t ./ tsc	290612 104620	272586 98131	1011 364	17016 6126	- -
Other solid biofuel obtained from plants	/ t ./ tsc	722806 238287	630996 205319	9874 3258	81920 29704	16 5
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	9496 16333	5779 9940	- -	3717 6392	- -

## 3.2.2.1

## / Manufacture of food: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	136001 102001	99904 74928	-	36097 27073	-
Brown coal	/ t ./ tsc	116 34	93 27	-	23 7	-
Peat	/ t ./ tsc	3334 1074	3334 1074	-	-	-
Hard coal briquettes	/ t ./ tsc	235 139	227 134	-	8 5	-
Brown coal briquettes (BKB)	/ t ./ tsc	-	-	-	-	-
Peat briquettes	/ t ./ tsc	20933 10466	19712 9856	-	1221 611	-
Coal coke and coke breeze; gas coke	/ t ./ tsc	7589 7384	-	-	7589 7384	-
Pitch and coal pitch	/ t ./ tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t ./ tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

3.2.2.1 / Continuation of the table 3.2.2.1

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	794677 921825	611257 709058	- -	183420 212767	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	- -	- -	- -	- -	- -
Natural gas liquids (NGL)	/ t ./ tsc	12 17	- -	- -	12 17	- -
Motor gasoline	/ t ./ tsc	20570 30650	- -	2 3	20568 30646	- -
Road diesel	/ t ./ tsc	100129 145186	52 75	5 7	100072 145105	- -
Kerosene	/ t ./ tsc	11 16	- -	4 5	7 10	- -
Heavy fuel oil	/ t ./ tsc	13508 18507	13289 18206	- -	219 300	- -
Light oil distilates and light fractions	/ t ./ tsc	702 1018	210 305	46 67	446 647	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	1299 1883	513 743	1 2	785 1138	- -
/ Lubricants	/ t ./ tsc	1870 2562	- -	1783 2443	87 119	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	30363 47670	- -	7 12	30355 47658	- -
Oil bitumen	/ t ./ tsc	1 1	- -	1 1	- -	- -

3.2.2.1 / Continuation of the table 3.2.2.1

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t . / tsc	- -	- -	- -	- -	- -
Petroleum coke	/ t . / tsc	617 666	617 666	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t . / tsc	24 35	- -	- -	24 35	- -
Additives	/ t . / tsc	- -	- -	- -	- -	- -
Etan	/ t . / tsc	4 6	- -	- -	4 6	- -
Other oil products	/ t . / tsc	166 241	- -	1 2	165 239	- -
Char coal	/ density, m <sup>3</sup> . / tsc	22 20	22 20	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t . / tsc	23819 13648	17701 10143	- -	6118 3506	- -
Fuel wood	/ density, m <sup>3</sup> . / tsc	102816 27246	80620 21364	- -	22197 5882	- -
Wood shavings and chips	/ t . / tsc	38329 13799	36929 13294	- -	1400 504	- -
Other solid biofuel obtained from plants	/ t . / tsc	597201 199163	567609 186711	8770 2894	20822 9558	- -
Liquified biofuel	/ t . / tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> . / tsc	5790 9958	2073 3566	- -	3717 6392	- -

## 3.2.2.2

## / Manufacture of beverages: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	1420 1065	1420 1065	-	-	-
Brown coal	/ t ./ tsc	-	-	-	-	-
Peat	/ t ./ tsc	1 0	-	-	1 0	-
Hard coal briquettes	/ t ./ tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t ./ tsc	-	-	-	-	-
Peat briquettes	/ t ./ tsc	8 4	-	-	8 4	-
Coal coke and coke breeze; gas coke	/ t ./ tsc	-	-	-	-	-
Pitch and coal pitch	/ t ./ tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t ./ tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

3.2.2.2 / Continuation of the table 3.2.2.2

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	71919 83426	60218 69853	- -	11700 13572	1 1
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	3465 5163	- -	- -	3465 5163	- -
Road diesel	/ t ./ tsc	8973 13010	43 62	- -	8930 12948	- -
Kerosene	/ t ./ tsc	-	-	-	-	-
Heavy fuel oil	/ t ./ tsc	1 1	- -	- -	1 1	- -
Light oil distilates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	74 102	- -	74 102	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	1692 2656	2 3	0 0	1690 2653	- -
Oil bitumen	/ t ./ tsc	-	-	-	-	-

3.2.2.2 / Continuation of the table 3.2.2.2

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	260 377	257 372	3 5	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	921 528	895 513	-	26 15	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	2274 603	2185 579	-	89 24	-
Wood shavings and chips	/ t ./ tsc	5078 1828	4799 1728	-	280 101	-
Other solid biofuel obtained from plants	/ t ./ tsc	8857 2662	8857 2662	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	thsd. m <sup>3</sup> ./ tsc	3705,9 6374	3706 6374	-	-	-

## 3.2.2.3.

## / Manufacture of tobacco products: 2016

	Unit	Total	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	-	-	-	-	-
Brown coal	/ t ./ tsc	-	-	-	-	-
Peat	/ t ./ tsc	-	-	-	-	-
Hard coal briquettes	/ t ./ tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t ./ tsc	-	-	-	-	-
Peat briquettes	/ t ./ tsc	-	-	-	-	-
Coal coke and coke breeze; gas coke	/ t ./ tsc	-	-	-	-	-
Pitch and coal pitch	/ t ./ tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t ./ tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-



3.2.2.3 / Continuation of the table 3.2.2.3

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	8090 9384	8089 9384	- -	0 0	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	120 179	- -	- -	120 179	- -
Road diesel	/ t ./ tsc	720 1044	15 21	- -	705 1023	- -
Kerosene	/ t ./ tsc	-	-	-	-	-
Heavy fuel oil	/ t ./ tsc	-	-	-	-	-
Light oil distilates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	5 6	- -	5 6	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	-	-	-	-	-
Oil bitumen	/ t ./ tsc	-	-	-	-	-

## 3.2.2.3 / Continuation of the table 3.2.2.3

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t . / tsc	-	-	-	-	-
Petroleum coke	/ t . / tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t . / tsc	-	-	-	-	-
Additives	/ t . / tsc	-	-	-	-	-
Etan	/ t . / tsc	-	-	-	-	-
Other oil products	/ t . / tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> . / tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t . / tsc	-	-	-	-	-
Fuel wood	/ density, m <sup>3</sup> . / tsc	-	-	-	-	-
Wood shavings and chips	/ t . / tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t . / tsc	-	-	-	-	-
Liquified biofuel	/ t . / tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> . / tsc	-	-	-	-	-

## 3.2.2.4.

## / Manufacture of textiles: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	34 26	34 26	- -	- -	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	22 11	21 10	- -	1 1	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	- -	- -	- -	- -	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.4 / Continuation of the table 3.2.2.4

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	13391 15534	9426 10934	- -	3965 4599	- -
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	353 526	- -	- -	353 526	- -
Road diesel	/ t ./ tsc	1266 1836	0 0	- -	1266 1835	- -
Kerosene	/ t ./ tsc	-	-	-	-	-
Heavy fuel oil	/ t ./ tsc	-	-	-	-	-
Light oil distillates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distillates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	19 26	- -	17 23	2 3	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	54 84	- -	0 0	54 84	- -
Oil bitumen	/ t ./ tsc	5890 7951	- -	5890 7951	- -	- -

3.2.2.4 / Continuation of the table 3.2.2.4

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	1 1	- -	1 1	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	- -	- -	- -	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	87 50	87 50	- -	- -	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	602 160	493 131	- -	109 29	- -
Wood shavings and chips	/ t ./ tsc	- -	- -	- -	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	340 102	340 102	- -	- -	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.5.

## / Manufacture of wearing apparel: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	949 712	898 673	- -	51 39	- -
Brown coal	/ t ./ tsc	4 1	- -	- -	4 1	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	15 7	15 7	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	- -	- -	- -	- -	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.5 / Continuation of the table 3.2.2.5

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	6274 7278	4229 4906	- -	2043 2370	3 3
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	571 850	- -	- -	571 850	- -
Road diesel	/ t ./ tsc	1673 2425	1 1	- -	1672 2424	- -
Kerosene	/ t ./ tsc	-	-	-	-	-
Heavy fuel oil	/ t ./ tsc	-	-	-	-	-
Light oil distillates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distillates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	8 11	- -	8 11	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	91 142	- -	- -	91 142	- -
Oil bitumen	/ t ./ tsc	-	-	-	-	-

3.2.2.5 / Continuation of the table 3.2.2.5

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	544 312	454 260	-	90 52	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	7045 1867	6546 1735	-	499 132	-
Wood shavings and chips	/ t ./ tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	-	-	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-



## 3.2.2.6.

## Manufacture of leather and related products: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t	207	207	-	-	-
	. / tsc	155	155	-	-	-
Brown coal	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Hard coal briquettes	/ t	30	-	-	30	-
	. / tsc	18	-	-	18	-
Brown coal briquettes (BKB)	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat briquettes	/ t	15	15	-	-	-
	. / tsc	8	8	-	-	-
Coal coke and coke breeze; gas coke	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Pitch and coal pitch	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-

3.2.2.6 / Continuation of the table 3.2.2.6

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	4765 5527	3991 4630	- -	774 897	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	189 282	-	-	189 282	-
Road diesel	/ t ./ tsc	775 1124	-	-	775 1124	-
Kerosene	/ t ./ tsc	-	-	-	-	-
Heavy fuel oil	/ t ./ tsc	-	-	-	-	-
Light oil distilates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	10 14	-	10 14	-	-
Liquefied petroleum gases (LPG)	/ t ./ tsc	32 49	-	-	32 49	-
Oil bitumen	/ t ./ tsc	-	-	-	-	-

3.2.2.6 / Continuation of the table 3.2.2.6

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	44 25	-	-	44 25	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	3031 803	2943 780	-	88 23	-
Wood shavings and chips	/ t ./ tsc	1008 363	1008 363	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	-	-	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

## 3.2.2.7.

/ Manufacture of wood and of  
products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials: 2016

	Unit	Total	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	152 114	152 114	- -	- -	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	209 67	209 67	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	10 5	- -	- -	10 5	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	- -	- -	- -	- -	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.7 / Continuation of the table 3.2.2.7

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
	thsd. m <sup>3</sup>	-	-	-	-	-
The gas obtained in the process of converter steel production	. / tsc	-	-	-	-	-
	thsd. m <sup>3</sup>	27445	23708	-	3737	-
Natural gas	. / tsc	31836	27501	-	4335	-
	/ t	-	-	-	-	-
Conventional crude oil including observed from bitumenous minerals	. / tsc	-	-	-	-	-
	/ t	-	-	-	-	-
Natural gas liquids (NGL)	. / tsc	-	-	-	-	-
	/ t	3414	-	-	3414	-
Motor gasoline	. / tsc	5086	-	-	5086	-
	/ t	19248	8	-	19240	-
Road diesel	. / tsc	27909	12	-	27898	-
	/ t	0	-	-	0	-
Kerosene	. / tsc	0	-	-	0	-
	/ t	-	-	-	-	-
Heavy fuel oil	. / tsc	-	-	-	-	-
	/ t	17	-	-	17	-
Light oil distillates and light fractions	. / tsc	25	-	-	25	-
	/ t	-	-	-	-	-
Middle oil distillates, other middle fractions	. / tsc	-	-	-	-	-
	/ t	473	-	446	26	-
/ Lubricants	. / tsc	647	-	611	36	-
	/ t	1247	-	-	1247	-
Liquefied petroleum gases (LPG)	. / tsc	1958	-	-	1958	-
	/ t	-	-	-	-	-
Oil bitumen	. / tsc	-	-	-	-	-

3.2.2.7 / Continuation of the table 3.2.2.7

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	1 1	- -	1 1	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	- -	- -	- -	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	26676 15285	2353 1348	24085 13801	239 137	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	195409 51783	90746 24048	2174 576	102489 27160	- -
Wood shavings and chips	/ t ./ tsc	184787 66523	175986 63355	1009 363	7792 2805	- -
Other solid biofuel obtained from plants	/ t ./ tsc	31394 8912	31340 8895	- -	38 12	16 5
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.8.

/

## Manufacture of paper and paper products: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	33383 25037	33064 24798	- -	318 239	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	149 75	149 75	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	- -	- -	- -	- -	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.8 / Continuation of the table 3.2.2.8

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	174708 202661	150938 175088	- -	23769 27572	- -
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	1188 1770	0 0	- -	1188 1770	- -
Road diesel	/ t ./ tsc	5046 7317	- -	- -	5046 7317	- -
Kerosene	/ t ./ tsc	2 4	- -	1 1	2 3	- -
Heavy fuel oil	/ t ./ tsc	513 703	513 703	- -	- -	- -
Light oil distillates and light fractions	/ t ./ tsc	17 25	- -	- -	17 25	- -
Middle oil distillates, other middle fractions	/ t ./ tsc	2727 3953	2715 3936	- -	12 17	- -
/ Lubricants	/ t ./ tsc	200 274	- -	200 274	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	1019 1600	- -	- -	1019 1600	- -
Oil bitumen	/ t ./ tsc	- -	- -	- -	- -	- -



3.2.2.8 / Continuation of the table 3.2.2.8

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	10964 6282	9506 5447	-	1457 835	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	7485 1984	5769 1529	-	1716 455	-
Wood shavings and chips	/ t ./ tsc	22050 7938	22050 7938	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	6176 1853	6176 1853	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

## 3.2.2.9.

## Printing and reproduction of recorded media: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t	64	40	-	24	-
	. / tsc	48	30	-	18	-
Brown coal	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Hard coal briquettes	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat briquettes	/ t	10	-	-	10	-
	. / tsc	5	-	-	5	-
Coal coke and coke breeze; gas coke	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Pitch and coal pitch	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-

3.2.2.9 / Continuation of the table 3.2.2.9

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	3531 4096	2191 2542	- -	1340 1554	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	558 831	- -	- -	558 831	- -
Road diesel	/ t ./ tsc	978 1418	- -	- -	978 1418	- -
Kerosene	/ t ./ tsc	3 4	- -	2 2	1 2	- -
Heavy fuel oil	/ t ./ tsc	-	-	-	-	-
Light oil distilates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	27 37	- -	8 11	19 26	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	172 270	- -	- -	172 270	- -
Oil bitumen	/ t ./ tsc	-	-	-	-	-

3.2.2.9 / Continuation of the table 3.2.2.9

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	173 99	9 5	-	164 94	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	480 127	400 106	-	81 21	-
Wood shavings and chips	/ t ./ tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	-	-	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

## 3.2.2.10.

/

## Manufacture of coke and refined petroleum products: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	5222113 3916585	5222113 3916585	-	-	-
Brown coal	/ t ./ tsc	-	-	-	-	-
Peat	/ t ./ tsc	423412 136339	386594 124483	-	34813 11210	2005 646
Hard coal briquettes	/ t ./ tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t ./ tsc	-	-	-	-	-
Peat briquettes	/ t ./ tsc	2899 1450	1684 842	-	246 123	970 485
Coal coke and coke breeze; gas coke	/ t ./ tsc	56 55	5 5	-	51 49	-
Pitch and coal pitch	/ t ./ tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t ./ tsc	78607 102189	-	78607 102189	-	-
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	1343636 767216	441282 251972	-	902354 515244	-
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	34585 5049	34585 5049	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

3.2.2.10 / Continuation of the table 3.2.2.10

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	264442 306753	165147 191570	- -	97332 112905	1963 2277
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	71937 102870	71498 102242	- -	- -	440 629
Natural gas liquids (NGL)	/ t ./ tsc	53694 76782	53691 76778	3 4	- -	- -
Motor gasoline	/ t ./ tsc	1269 1891	- -	1 2	1268 1889	- -
Road diesel	/ t ./ tsc	6073 8806	- -	110 159	5964 8647	- -
Kerosene	/ t ./ tsc	23 34	- -	10 15	13 20	- -
Heavy fuel oil	/ t ./ tsc	1648 2258	- -	1044 1431	604 827	- -
Light oil distillates and light fractions	/ t ./ tsc	19 27	- -	7 10	- -	12 17
Middle oil distillates, other middle fractions	/ t ./ tsc	64 93	- -	- -	- -	64 93
/ Lubricants	/ t ./ tsc	81211 111259	361 494	80851 110765	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	958 1504	- -	223 350	735 1154	- -
Oil bitumen	/ t ./ tsc	3674 4960	- -	2768 3737	907 1224	- -

3.2.2.10 / Continuation of the table 3.2.2.10

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t . / tsc	-	-	-	-	-
Petroleum coke	/ t . / tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t . / tsc	51 75	-	-	51 75	-
Additives	/ t . / tsc	2093 3035	-	2093 3035	-	-
Etan	/ t . / tsc	-	-	-	-	-
Other oil products	/ t . / tsc	28189 40874	23845 34576	4344 6298	-	-
Char coal	/ density, m <sup>3</sup> . / tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t . / tsc	-	-	-	-	-
Fuel wood	/ density, m <sup>3</sup> . / tsc	-	-	-	-	-
Wood shavings and chips	/ t . / tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t . / tsc	-	-	-	-	-
Liquified biofuel	/ t . / tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> . / tsc	-	-	-	-	-

## 3.2.2.11.

/

## Manufacture of chemicals and chemical products: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	10389 7791	5908 4431	69 51	4412 3309	- -
Brown coal	/ t ./ tsc	237 70	- -	33 10	204 60	- -
Peat	/ t ./ tsc	5 2	5 2	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	9035 4517	9035 4517	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	1652 1608	- -	- -	1652 1608	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -



3.2.2.11 / Continuation of the table 3.2.2.11

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	2123464 2463218	247941 287611	1612144 1870087	263380 305520	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	59 84	- -	- -	59 84	- -
Natural gas liquids (NGL)	/ t ./ tsc	548 784	239 342	139 199	170 243	- -
Motor gasoline	/ t ./ tsc	3986 5939	- -	96 143	3891 5797	- -
Road diesel	/ t ./ tsc	11382 16504	2 3	113 164	11267 16337	- -
Kerosene	/ t ./ tsc	7 11	- -	7 11	0 0	- -
Heavy fuel oil	/ t ./ tsc	6023 8251	6023 8251	- -	- -	- -
Light oil distilates and light fractions	/ t ./ tsc	286 415	- -	286 415	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	3140 4553	3116 4517	- -	25 36	- -
/ Lubricants	/ t ./ tsc	4061 5564	- -	3978 5449	84 115	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	643 1009	- -	2 3	641 1006	- -
Oil bitumen	/ t ./ tsc	140 189	- -	112 152	27 37	- -

3.2.2.11 / Continuation of the table 3.2.2.11

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	15 22	- -	11 17	4 6	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	1 1	- -	- -	1 1	- -
Additives	/ t ./ tsc	77 112	- -	- -	77 112	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	5926 8593	5829 8453	97 140	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	37820 21671	37142 21282	- -	678 388	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	17188 4555	2813 745	13037 3455	1339 355	- -
Wood shavings and chips	/ t ./ tsc	17195 6190	17195 6190	- -	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	10772 3270	10561 3201	- -	210 69	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.12.

/

**Manufacture of basic pharmaceutical products and pharmaceutical preparations: 2016**

	Unit	Total	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	14 11	14 11	- -	- -	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	1 0	1 0	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	- -	- -	- -	- -	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.12 / Continuation of the table 3.2.2.12

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	19776 22941	19709 22863	- -	67 78	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	3240 4827	- -	- -	3240 4827	- -
Road diesel	/ t ./ tsc	2769 4015	- -	- -	2769 4015	- -
Kerosene	/ t ./ tsc	-	-	-	-	-
Heavy fuel oil	/ t ./ tsc	-	-	-	-	-
Light oil distilates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	8 11	- -	8 11	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	85 133	- -	- -	85 133	- -
Oil bitumen	/ t ./ tsc	-	-	-	-	-

3.2.2.12 / Continuation of the table 3.2.2.12

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	2050 1174	1994 1142	-	56 32	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	4355 1154	4235 1122	-	120 32	-
Wood shavings and chips	/ t ./ tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	-	-	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

## 3.2.2.13.

/

## Manufacture of rubber and plastic products: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	460 345	296 222	-	164 123	-
Brown coal	/ t ./ tsc	-	-	-	-	-
Peat	/ t ./ tsc	-	-	-	-	-
Hard coal briquettes	/ t ./ tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t ./ tsc	-	-	-	-	-
Peat briquettes	/ t ./ tsc	118 59	111 55	-	7 4	-
Coal coke and coke breeze; gas coke	/ t ./ tsc	-	-	-	-	-
Pitch and coal pitch	/ t ./ tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t ./ tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

3.3.2.13 / Continuation of the table 3.3.2.13

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	10287 11933	8181 9490	1 2	2105 2442	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	11483 17109	-	-	11483 17109	- -
Road diesel	/ t ./ tsc	7450 10802	-	0 0	7450 10802	- -
Kerosene	/ t ./ tsc	1 1	-	1 1	- -	- -
Heavy fuel oil	/ t ./ tsc	38 51	-	38 51	- -	- -
Light oil distilates and light fractions	/ t ./ tsc	5 7	-	5 7	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	114 165	-	-	114 165	- -
/ Lubricants	/ t ./ tsc	2471 3386	-	2471 3385	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	1436 2254	-	2 3	1434 2251	- -
Oil bitumen	/ t ./ tsc	2 3	-	2 3	- -	- -

3.3.2.13 / Continuation of the table 3.3.2.13

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	33 49	- -	33 49	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	2 3	- -	- -	2 3	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	- -	- -	- -	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	3018 1729	2921 1674	- -	98 56	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	3115 825	2314 613	- -	801 212	- -
Wood shavings and chips	/ t ./ tsc	1 0	1 0	- -	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	147 49	- -	- -	147 49	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -



## 3.2.2.14.

/

## Manufacture of other non-metallic mineral products: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	1098590 823942	9929 7447	4436 3327	1084225 813169	- -
Brown coal	/ t ./ tsc	882 259	324 95	392 115	165 49	- -
Peat	/ t ./ tsc	13017 4191	- -	128 41	12889 4150	- -
Hard coal briquettes	/ t ./ tsc	840 496	- -	- -	840 496	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	5655 2828	694 347	- -	4961 2481	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	28914 28134	- -	9692 9430	19223 18703	- -
Pitch and coal pitch	/ t ./ tsc	7 9	- -	- -	7 9	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.14 / Continuation of the table 3.2.2.14

	Unit /	Total /	/ including			
			- transfor- mation into other types of fuel and energy	( / non- energy use (raw material)	- final / consump- tion	- transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	516153 598738	48094 55790	58 67	468001 542881	-
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	6183 9213	-	13 19	6171 9194	-
Road diesel	/ t ./ tsc	59883 86830	10 14	50 72	59823 86743	-
Kerosene	/ t ./ tsc	53 78	-	36 52	18 26	-
Heavy fuel oil	/ t ./ tsc	1021 1399	-	27 37	994 1362	-
Light oil distillates and light fractions	/ t ./ tsc	7 10	-	5 8	2 2	-
Middle oil distillates, other middle fractions	/ t ./ tsc	1843 2673	-	-	1843 2673	-
/ Lubricants	/ t ./ tsc	2035 2788	-	2006 2748	29 39	-
Liquefied petroleum gases (LPG)	/ t ./ tsc	1689 2652	-	40 62	1649 2590	-
Oil bitumen	/ t ./ tsc	75531 101966	-	66558 89854	8972 12113	-

3.2.2.14 / Continuation of the table 3.2.2.14

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	4 5	- -	3 5	0 0	- -
Petroleum coke	/ t ./ tsc	25852 27920	- -	25852 27920	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	6 9	- -	- -	6 9	- -
Additives	/ t ./ tsc	0 0	- -	0 0	0 0	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	209 303	- -	24 35	184 267	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	22769 13047	8408 4818	- -	14361 8229	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	13682 3626	9517 2522	- -	4165 1104	- -
Wood shavings and chips	/ t ./ tsc	8368 3012	1459 525	- -	6909 2487	- -
Other solid biofuel obtained from plants	/ t ./ tsc	1584 515	- -	1104 364	480 151	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.15.

## / Metallurgical industry: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	9342591 7006943	7338404 5503803	112890 84668	1891297 1418473	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	6983 2249	- -	- -	6983 2249	- -
Hard coal briquettes	/ t ./ tsc	1 1	1 1	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	10 5	- -	- -	10 5	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	12964167 12614134	4518782 4396775	478448 465530	7935909 7721640	31028 30190
Pitch and coal pitch	/ t ./ tsc	7304 9277	- -	7304 9277	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	862 1121	- -	862 1121	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	2340098 1336196	412961 235801	- -	1927137 1100395	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	28501039 4161152	9108720 1329873	50432 7363	19094224 2787757	247663 36159
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	183155 60441	125253 41333	- -	57902 19108	- -

3.2.2.15 / Continuation of the table 3.2.2.15

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	13882 4345	- -	- -	13882 4345	- -
Natural gas	thsd. m <sup>3</sup> ./ tsc	2278259 2642780	584763 678326	1350 1566	1692145 1962888	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	- -	- -	- -	- -	- -
Natural gas liquids (NGL)	/ t ./ tsc	- -	- -	- -	- -	- -
Motor gasoline	/ t ./ tsc	4660 6943	- -	- -	4660 6943	- -
Road diesel	/ t ./ tsc	92069 133500	4 6	2 3	92063 133491	- -
Kerosene	/ t ./ tsc	680 998	- -	74 108	605 890	- -
Heavy fuel oil	/ t ./ tsc	2407 3298	1527 2092	- -	880 1206	- -
Light oil distilates and light fractions	/ t ./ tsc	27 39	- -	27 39	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	16 23	- -	16 23	- -	- -
/ Lubricants	/ t ./ tsc	19698 26986	- -	19468 26672	230 315	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	413 649	- -	2 4	411 645	- -
Oil bitumen	/ t ./ tsc	72 97	- -	72 97	- -	- -

3.2.2.15 / Continuation of the table 3.2.2.15

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	3 5	-	3 5	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	227 329	-	170 247	57 82	-
Char coal	/ density, m <sup>3</sup> ./ tsc	125 116	-	125 116	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	38921 22302	1682 964	37193 21312	45 26	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	764 202	-	-	764 202	-
Wood shavings and chips	/ t ./ tsc	39 14	-	-	39 14	-
Other solid biofuel obtained from plants	/ t ./ tsc	61037 20142	1322 436	-	59715 19706	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

## 3.2.2.16.

## Manufacture of fabricated metal products, except machinery and equipment: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	5355 4016	5245 3933	- -	110 83	- -
Brown coal	/ t ./ tsc	4 1	- -	- -	4 1	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	1 1	- -	- -	1 1	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	231 115	214 107	- -	17 9	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	2951 2871	6 6	368 358	2576 2507	- -
Pitch and coal pitch	/ t ./ tsc	37 47	- -	37 47	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.16 / Continuation of the table 3.2.2.16

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	37256 43217	13969 16204	3 3	23284 27009	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	2602 3877	-	0 0	2601 3876	- -
Road diesel	/ t ./ tsc	6286 9115	75 108	1 1	6211 9005	- -
Kerosene	/ t ./ tsc	28 41	-	25 36	4 5	- -
Heavy fuel oil	/ t ./ tsc	40 54	-	-	40 54	- -
Light oil distilates and light fractions	/ t ./ tsc	8 12	-	6 9	2 3	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	812 1112	-	807 1106	5 6	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	580 910	-	0 1	579 909	- -
Oil bitumen	/ t ./ tsc	13 18	-	13 18	- -	- -



3.2.2.16 / Continuation of the table 3.2.2.16

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	1 2	- -	0 1	1 1	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	3 4	- -	- -	3 4	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	- -	- -	- -	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	2118 1214	1927 1104	- -	191 109	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	15219 4033	9377 2485	- -	5842 1548	- -
Wood shavings and chips	/ t ./ tsc	176 63	170 61	- -	6 2	- -
Other solid biofuel obtained from plants	/ t ./ tsc	3080 924	3080 924	- -	- -	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.17.

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## Manufacture of computer, electronic and optical products: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t	30	26	-	4	-
	. / tsc	22	20	-	3	-
Brown coal	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Hard coal briquettes	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat briquettes	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal coke and coke breeze; gas coke	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Pitch and coal pitch	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-

3.2.2.17 / Continuation of the table 3.2.2.17

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	3823 4434	2903 3367	- -	916 1062	4 4
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	665 991	- -	- -	665 991	- -
Road diesel	/ t ./ tsc	630 913	- -	- -	630 913	- -
Kerosene	/ t ./ tsc	3 4	0 0	2 4	0 1	0 0
Heavy fuel oil	/ t ./ tsc	-	-	-	-	-
Light oil distillates and light fractions	/ t ./ tsc	7 10	- -	7 10	0 0	- -
Middle oil distillates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	69 94	- -	69 94	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	85 133	- -	- -	85 133	- -
Oil bitumen	/ t ./ tsc	1 1	- -	1 1	- -	- -

3.2.2.17 / Continuation of the table 3.2.2.17

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	0 0	- -	0 0	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	0 0	- -	0 0	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	1053 603	963 552	- -	89 51	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	1212 321	1154 306	- -	58 15	- -
Wood shavings and chips	/ t ./ tsc	- -	- -	- -	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	- -	- -	- -	- -	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.18.

## / Manufacture of electrical equipment: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	45493 34120	488 366	44959 33719	46 35	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	6023 5860	- -	4997 4862	1026 998	- -
Pitch and coal pitch	/ t ./ tsc	15799 20065	- -	15799 20065	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.18 / Continuation of the table 3.2.2.18

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	43001 49882	21690 25161	- -	21311 24721	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	2036 3033	- -	1 2	2035 3032	- -
Road diesel	/ t ./ tsc	4857 7043	111 161	- -	4746 6881	- -
Kerosene	/ t ./ tsc	22 32	- -	21 31	1 1	- -
Heavy fuel oil	/ t ./ tsc	43 59	43 59	- -	- -	- -
Light oil distilates and light fractions	/ t ./ tsc	18 27	- -	18 27	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	1 2	- -	- -	1 2	- -
/ Lubricants	/ t ./ tsc	6122 8387	- -	6113 8375	9 12	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	421 660	- -	4 6	417 654	- -
Oil bitumen	/ t ./ tsc	4 5	- -	4 5	- -	- -

3.2.2.18 / Continuation of the table 3.2.2.18

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	42 61	- -	4 5	38 56	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	2 3	- -	- -	2 3	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	60 86	- -	9 13	51 73	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	16 15	- -	- -	16 15	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	620 355	608 349	- -	12 7	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	4888 1295	4770 1264	- -	118 31	- -
Wood shavings and chips	/ t ./ tsc	3183 1146	3183 1146	- -	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	- -	- -	- -	- -	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.19.

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## Manufacture of machinery and equipment n.e.c. : 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	2345 1758	862 646	63 47	1420 1065	- -
Brown coal	/ t ./ tsc	7 2	- -	- -	7 2	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	134 67	98 49	- -	37 18	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	1138 1107	- -	- -	1138 1107	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -



3.2.2.19 / Continuation of the table 3.2.2.19

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	189101 219357	104894 121677	- -	84207 97680	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	- -	- -	- -	- -	- -
Natural gas liquids (NGL)	/ t ./ tsc	- -	- -	- -	- -	- -
Motor gasoline	/ t ./ tsc	4149 6182	- -	2 3	4147 6180	- -
Road diesel	/ t ./ tsc	10205 14797	72 104	18 26	10112 14662	3 5
Kerosene	/ t ./ tsc	142 209	- -	58 84	85 125	- -
Heavy fuel oil	/ t ./ tsc	47 65	- -	- -	47 65	- -
Light oil distilates and light fractions	/ t ./ tsc	79 115	- -	59 85	21 30	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	36 51	- -	36 51	- -	- -
/ Lubricants	/ t ./ tsc	3113 4264	- -	2831 3878	282 386	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	760 1194	- -	5 8	755 1186	- -
Oil bitumen	/ t ./ tsc	4 5	- -	4 5	- -	- -

3.2.2.19 / Continuation of the table 3.2.2.19

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	3 4	- -	3 4	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	47 70	- -	- -	47 70	- -
Additives	/ t ./ tsc	0 1	- -	0 1	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	51 74	- -	11 15	41 59	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	5 5	- -	- -	5 5	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	2963 1698	2866 1642	- -	98 56	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	32226 8540	30094 7975	- -	2132 565	- -
Wood shavings and chips	/ t ./ tsc	63 23	43 15	- -	20 7	- -
Other solid biofuel obtained from plants	/ t ./ tsc	502 158	- -	- -	502 158	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.20.

## Manufacture of motor vehicles, trailers and semi-trailers: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t	61	30	-	31	-
	. / tsc	46	23	-	23	-
Brown coal	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Hard coal briquettes	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat briquettes	/ t	2	2	-	-	-
	. / tsc	1	1	-	-	-
Coal coke and coke breeze; gas coke	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Pitch and coal pitch	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-

3.2.2.20 / Continuation of the table 3.2.2.20

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	12200 14152	6335 7348	- -	5866 6804	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	1131 1685	- -	- -	1131 1685	- -
Road diesel	/ t ./ tsc	3210 4655	- -	1 1	3210 4654	- -
Kerosene	/ t ./ tsc	9 13	- -	2 4	6 9	- -
Heavy fuel oil	/ t ./ tsc	-	-	-	-	-
Light oil distilates and light fractions	/ t ./ tsc	3 4	- -	3 4	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	464 636	- -	464 636	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	157 247	- -	- -	157 247	- -
Oil bitumen	/ t ./ tsc	-	-	-	-	-

3.2.2.20 / Continuation of the table 3.2.2.20

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	-	-	-	-	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	338 194	246 141	-	92 53	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	5883 1559	5312 1408	-	571 151	-
Wood shavings and chips	/ t ./ tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	612 202	612 202	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

## 3.2.2.21.

/

## Manufacture of other transport equipment: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t	618	590	-	28	-
	. / tsc	463	443	-	21	-
Brown coal	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Hard coal briquettes	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t	12	-	-	12	-
	. / tsc	7	-	-	7	-
Peat briquettes	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal coke and coke breeze; gas coke	/ t	738	-	-	738	-
	. / tsc	718	-	-	718	-
Pitch and coal pitch	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup>	140	-	-	140	-
	. / tsc	80	-	-	80	-
Blast furnace gas	thsd. m <sup>3</sup>	266	-	-	266	-
	. / tsc	39	-	-	39	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-

3.2.2.21 / Continuation of the table 3.2.2.21

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
	thsd. m <sup>3</sup>	-	-	-	-	-
The gas obtained in the process of converter steel production	. / tsc	-	-	-	-	-
	thsd. m <sup>3</sup>	114477	100595	-	13882	-
Natural gas	. / tsc	132793	116690	-	16103	-
	/ t	-	-	-	-	-
Conventional crude oil including observed from bitumenous minerals	. / tsc	-	-	-	-	-
	/ t	-	-	-	-	-
Natural gas liquids (NGL)	. / tsc	-	-	-	-	-
	/ t	2884	-	15	2869	-
Motor gasoline	. / tsc	4297	-	22	4275	-
	/ t	6306	0	-	6305	-
Road diesel	. / tsc	9143	1	-	9143	-
	/ t	4447	-	106	4341	-
Kerosene	. / tsc	6450	-	155	6295	-
	/ t	4079	4048	-	31	-
Heavy fuel oil	. / tsc	5588	5545	-	43	-
	/ t	217	-	181	36	-
Light oil distillates and light fractions	. / tsc	314	-	263	52	-
	/ t	-	-	-	-	-
Middle oil distillates, other middle fractions	. / tsc	-	-	-	-	-
	/ t	1158	-	1153	6	-
/ Lubricants	. / tsc	1587	-	1579	8	-
	/ t	90	-	3	87	-
Liquefied petroleum gases (LPG)	. / tsc	141	-	4	136	-
	/ t	6	-	5	1	-
Oil bitumen	. / tsc	8	-	7	1	-

3.2.2.21 / Continuation of the table 3.2.2.21

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	5 8	- -	5 8	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	0 0	- -	0 0	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	3 4	- -	3 4	- -	- -
Char coal	/density, m <sup>3</sup> ./ tsc	3 2	- -	- -	3 2	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	28 16	28 16	- -	- -	- -
Fuel wood	/density, m <sup>3</sup> ./ tsc	1599 424	1316 349	- -	283 75	- -
Wood shavings and chips	/ t ./ tsc	8 3	- -	- -	8 3	- -
Other solid biofuel obtained from plants	/ t ./ tsc	5 2	- -	- -	5 2	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -



## 3.2.2.22.

## / Manufacture of furniture: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	1722 1291	1722 1291	-	-	-
Brown coal	/ t ./ tsc	-	-	-	-	-
Peat	/ t ./ tsc	-	-	-	-	-
Hard coal briquettes	/ t ./ tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t ./ tsc	-	-	-	-	-
Peat briquettes	/ t ./ tsc	63 32	63 32	-	-	-
Coal coke and coke breeze; gas coke	/ t ./ tsc	-	-	-	-	-
Pitch and coal pitch	/ t ./ tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t ./ tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

3.2.2.22 / Continuation of the table 3.2.2.22

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	5099 5915	1490 1729	- -	3609 4186	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	- -	- -	- -	- -	- -
Natural gas liquids (NGL)	/ t ./ tsc	- -	- -	- -	- -	- -
Motor gasoline	/ t ./ tsc	668 995	- -	- -	668 995	- -
Road diesel	/ t ./ tsc	4036 5852	1 1	- -	4036 5851	- -
Kerosene	/ t ./ tsc	0 0	- -	0 0	- -	- -
Heavy fuel oil	/ t ./ tsc	0 0	- -	- -	0 0	- -
Light oil distilates and light fractions	/ t ./ tsc	0 0	- -	0 0	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	- -	- -	- -	- -	- -
/ Lubricants	/ t ./ tsc	86 117	- -	86 117	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	427 670	- -	- -	427 670	- -
Oil bitumen	/ t ./ tsc	- -	- -	- -	- -	- -

3.2.2.22 / Continuation of the table 3.2.2.22

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	247 365	- -	247 365	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	- -	- -	- -	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	2423 1388	2306 1321	- -	117 67	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	14923 3955	13745 3642	- -	1179 312	- -
Wood shavings and chips	/ t ./ tsc	6737 2425	6174 2223	- -	563 203	- -
Other solid biofuel obtained from plants	/ t ./ tsc	1010 303	1010 303	- -	- -	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.23.

## / Other manufacturing: 2016

	Unit	Total	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	31 23	- -	- -	31 23	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	- -	- -	- -	- -	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.23 / Continuation of the table 3.2.2.23

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	2117 2456	1204 1397	4 5	909 1054	- -
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	391 582	-	-	391 582	- -
Road diesel	/ t ./ tsc	561 813	-	4 6	557 807	- -
Kerosene	/ t ./ tsc	-	-	-	-	-
Heavy fuel oil	/ t ./ tsc	58 79	31 43	26 36	-	-
Light oil distilates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distilates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	36 49	-	36 49	-	-
Liquefied petroleum gases (LPG)	/ t ./ tsc	77 121	-	-	77 121	-
Oil bitumen	/ t ./ tsc	0 0	-	-	0 0	-

3.2.2.23 / Continuation of the table 3.2.2.23

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	29 42	- -	29 42	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	1 1	- -	1 1	- -	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	24 14	- -	- -	24 14	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	9970 2642	8990 2382	- -	980 260	- -
Wood shavings and chips	/ t ./ tsc	3590 1292	3590 1292	- -	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	- -	- -	- -	- -	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.2.24.

/

## Repair and installation of machinery and equipment: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	787 590	290 218	- -	496 372	- -
Brown coal	/ t ./ tsc	- -	- -	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	- -	- -	- -	- -	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	55 28	54 27	- -	1 1	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	4 4	- -	- -	4 4	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.2.2.24 / Continuation of the table 3.2.2.24

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
	thsd. m <sup>3</sup>	-	-	-	-	-
The gas obtained in the process of converter steel production	. / tsc	-	-	-	-	-
	thsd. m <sup>3</sup>	9431	6980	236	2215	-
Natural gas	. / tsc	10940	8096	274	2569	-
	/ t	-	-	-	-	-
Conventional crude oil including observed from bitumenous minerals	. / tsc	-	-	-	-	-
	/ t	-	-	-	-	-
Natural gas liquids (NGL)	. / tsc	-	-	-	-	-
	/ t	4841	2	1	4838	-
Motor gasoline	. / tsc	7214	3	1	7209	-
	/ t	19979	22	5	19953	-
Road diesel	. / tsc	28970	32	7	28931	-
	/ t	165	-	26	139	-
Kerosene	. / tsc	240	-	38	202	-
	/ t	19	-	19	-	-
Heavy fuel oil	. / tsc	26	-	26	-	-
	/ t	24	-	16	8	-
Light oil distillates and light fractions	. / tsc	35	-	23	12	-
	/ t	16	-	1	15	-
Middle oil distillates, other middle fractions	. / tsc	23	-	2	21	-
	/ t	899	-	899	-	-
/ Lubricants	. / tsc	1232	-	1232	-	-
	/ t	699	-	4	694	-
Liquefied petroleum gases (LPG)	. / tsc	1097	-	7	1090	-
	/ t	5	-	5	-	-
Oil bitumen	. / tsc	7	-	7	-	-



3.2.2.24 / Continuation of the table 3.2.2.24

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	0 0	- -	0 0	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	- -	- -	- -	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	67 97	4 6	0 0	63 91	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	0 0	- -	- -	0 0	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	3853 2208	3806 2181	- -	47 27	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	11976 3174	11108 2943	- -	869 230	- -
Wood shavings and chips	/ t ./ tsc	2 1	- -	2 1	- -	- -
Other solid biofuel obtained from plants	/ t ./ tsc	89 29	89 29	- -	- -	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.2.3.

## Electricity, gas, steam and air conditioning supply: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t	31487357	31286419	27	198243	2668
	. / tsc	23615518	23464814	20	148682	2001
Brown coal	/ t	2583	2579	-	4	-
	. / tsc	760	758	-	1	-
Peat	/ t	1247	1247	-	-	-
	. / tsc	401	401	-	-	-
Hard coal briquettes	/ t	830	830	-	-	-
	. / tsc	490	490	-	-	-
Brown coal briquettes (BKB)	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat briquettes	/ t	7944	7930	-	14	-
	. / tsc	3972	3965	-	7	-
Coal coke and coke breeze; gas coke	/ t	64	-	10	54	-
	. / tsc	62	-	10	52	-
Pitch and coal pitch	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup>	43838	43838	-	-	-
	. / tsc	25031	25031	-	-	-
Blast furnace gas	thsd. m <sup>3</sup>	558464	558464	-	-	-
	. / tsc	81536	81536	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-

3.2.3 / Continuation of the table 3.2.3

	Unit /	Total /	/ including			
			- transfor- mation into other types of fuel and energy	( / non- energy use (raw material)	- final / consump- tion	- transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	62433 19542	62433 19542	- -	- -	- -
Natural gas	thsd. m <sup>3</sup> ./ tsc	9133112 10594410	7669909 8897094	85175 98803	789495 915815	588532 682697
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	- -	- -	- -	- -	- -
Natural gas liquids (NGL)	/ t ./ tsc	- -	- -	- -	- -	- -
Motor gasoline	/ t ./ tsc	29990 44685	2 2	1 2	29987 44681	- -
Road diesel	/ t ./ tsc	39120 56723	326 472	0 0	38794 56251	- -
Kerosene	/ t ./ tsc	58 86	- -	12 17	47 68	- -
Heavy fuel oil	/ t ./ tsc	591303 810086	589426 807513	- -	1878 2572	- -
Light oil distillates and light fractions	/ t ./ tsc	23 34	- -	22 31	2 3	- -
Middle oil distillates, other middle fractions	/ t ./ tsc	93 135	93 135	- -	- -	- -
/ Lubricants	/ t ./ tsc	4621 6330	- -	4350 5959	271 372	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	11848 18601	- -	31 48	11764 18469	54 84
Oil bitumen	/ t ./ tsc	106 143	- -	89 120	17 22	- -

3.2.3 / Continuation of the table 3.2.3

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	0 0	- -	0 0	- -	- -
Petroleum coke	/ t ./ tsc	9 10	- -	- -	9 10	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	- -	- -	- -	- -	- -
Additives	/ t ./ tsc	0 0	- -	0 0	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	93 135	- -	64 93	29 42	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	221 205	221 205	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	69661 39916	69239 39674	- -	422 242	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	361971 95922	356929 94586	- -	5042 1336	- -
Wood shavings and chips	/ t ./ tsc	112875 40635	112843 40623	- -	32 11	- -
Other solid biofuel obtained from plants	/ t ./ tsc	32732 10972	20297 6868	12104 3994	332 110	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	6049 10404	6049 10404	- -	- -	- -

**3.2.4. ; , /**  
**Water supply; sewerage, waste management and remediation activities: 2016**

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Hard coal q /	/ t	20810	19667	-	1143	-
	. / tsc	15608	14750	-	857	-
Brown coal /	/ t	2	-	-	2	-
	. / tsc	0	-	-	0	-
Peat /	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Hard coal briquettes q /	/ t	298	297	-	2	-
	. / tsc	176	175	-	1	-
Brown coal briquettes (BKB) /	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Peat briquettes /	/ t	510	500	-	10	-
	. / tsc	255	250	-	5	-
Coal coke and coke breeze; gas coke /	/ t	7	-	-	7	-
	. / tsc	7	-	-	7	-
Pitch and coal pitch /	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coal, brown coal or peat tar q /	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas /	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Blast furnace gas /	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
( , ; , ) /	thsd. m <sup>3</sup>	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	. / tsc	-	-	-	-	-

3.2.4 / Continuation of the table 3.2.4

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	22573 26185	17106 19843	- -	5462 6336	6 6
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	13948 20783	21 31	4 6	13923 20745	- -
Road diesel	/ t ./ tsc	43466 63026	154 223	2 3	43310 62800	- -
Kerosene	/ t ./ tsc	17 25	- -	6 9	11 16	- -
Heavy fuel oil	/ t ./ tsc	323 443	192 263	5 6	127 174	- -
Light oil distillates and light fractions	/ t ./ tsc	0 0	- -	0 0	- -	- -
Middle oil distillates, other middle fractions	/ t ./ tsc	-	-	-	-	-
/ Lubricants	/ t ./ tsc	1093 1498	- -	1067 1462	26 36	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	4434 6962	- -	6 10	4428 6952	- -
Oil bitumen	/ t ./ tsc	591 797	- -	365 493	226 305	- -

3.2.4 / Continuation of the table 3.2.4

	Unit /	Total /	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	0 0	-	-	0 0	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	1 1	-	0 1	0 1	-
Char coal	/ density, m <sup>3</sup> ./ tsc	-	-	-	-	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	2137 1225	1011 579	-	1126 645	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	20762 5502	17589 4661	2 0	3171 840	-
Wood shavings and chips	/ t ./ tsc	341 123	312 112	-	29 11	-
Other solid biofuel obtained from plants	/ t ./ tsc	285 93	277 90	-	9 3	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	3306 5686	3306 5686	-	-	-

## 3.3. / Building: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	2311 1733	220 165	- -	2091 1568	- -
Brown coal	/ t ./ tsc	10 3	10 3	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	10 6	7 4	- -	3 1	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	132 66	10 5	- -	122 61	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	0 0	- -	- -	0 0	- -
Pitch and coal pitch	/ t ./ tsc	- -	- -	- -	- -	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -



3.3 / Continuation of the table 3.3

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	25724 29840	12689 14719	- -	13035 15121	0 0
Conventional crude oil including obsorbed from bitumenous minerals	/ t ./ tsc	723 1033	- -	722 1033	0 0	- -
Natural gas liquids (NGL)	/ t ./ tsc	19 27	- -	- -	19 27	- -
Motor gasoline	/ t ./ tsc	41503 61839	7 10	3 4	41470 61791	23 34
Road diesel	/ t ./ tsc	172363 249926	3155 4575	2 2	169206 245348	1 1
Kerosene	/ t ./ tsc	73 107	- -	41 60	32 47	- -
Heavy fuel oil	/ t ./ tsc	5641 7728	- -	1257 1723	4383 6005	- -
Light oil distilates and light fractions	/ t ./ tsc	7 10	- -	7 10	- -	- -
Middle oil distilates, other middle fractions	/ t ./ tsc	711 1031	- -	- -	711 1031	- -
/ Lubricants	/ t ./ tsc	5325 7295	- -	5301 7263	23 32	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	4112 6456	- -	27 42	4085 6413	- -
Oil bitumen	/ t ./ tsc	95327 128692	- -	80841 109135	14487 19557	- -

3.3 / Continuation of the table 3.3

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	1 2	- -	1 2	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	0 0	- -	0 0	- -	- -
Additives	/ t ./ tsc	12 17	- -	1 2	10 15	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	450 653	- -	41 60	409 593	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	1420 814	1072 614	- -	348 200	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	10548 2795	6313 1673	- -	4235 1122	- -
Wood shavings and chips	/ t ./ tsc	2 1	- -	- -	2 1	- -
Other solid biofuel obtained from plants	/ t ./ tsc	2108 659	2067 646	- -	41 13	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.4.

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**Wholesale and retail trade and repair of motor vehicles and motorcycles: 2016**

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	3343 2507	2042 1532	- -	1295 971	6 4
Brown coal	/ t ./ tsc	32 10	32 10	- -	- -	- -
Peat	/ t ./ tsc	- -	- -	- -	- -	- -
Hard coal briquettes	/ t ./ tsc	70 41	10 6	- -	60 35	- -
Brown coal briquettes (BKB)	/ t ./ tsc	- -	- -	- -	- -	- -
Peat briquettes	/ t ./ tsc	406 203	213 106	- -	194 97	- -
Coal coke and coke breeze; gas coke	/ t ./ tsc	8 8	- -	- -	8 8	- -
Pitch and coal pitch	/ t ./ tsc	0 0	- -	- -	0 0	- -
Coal, brown coal or peat tar	/ t ./ tsc	- -	- -	- -	- -	- -
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

3.4 / Continuation of the table 3.4

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw matherial)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	56593 65648	20993 24352	604 701	34599 40134	398 462
Conventional crude oil including obserbed from bitumenous minerals	/ t ./ tsc	987 1411	987 1411	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	647 925	644 920	-	4 5	-
Motor gasoline	/ t ./ tsc	80741 120305	1 1	21 32	80652 120172	67 100
Road diesel	/ t ./ tsc	221913 321774	429 621	6 9	221374 320993	104 151
Kerosene	/ t ./ tsc	39 58	-	5 7	34 50	-
Heavy fuel oil	/ t ./ tsc	112 154	-	-	112 154	-
Light oil distilates and light fractions	/ t ./ tsc	1 2	-	1 2	-	-
Middle oil distilates, other middle fractions	/ t ./ tsc	157 227	-	-	157 227	-
/ Lubricants	/ t ./ tsc	1935 2651	-	1916 2625	18 24	1 2
Liquefied petroleum gases (LPG)	/ t ./ tsc	33191 52110	7 12	4 6	32711 51357	469 736
Oil bitumen	/ t ./ tsc	0 1	-	0 1	-	-

3.4 / Continuation of the table 3.4

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	- -	- -	- -	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	12 18	- -	12 18	- -	- -
Additives	/ t ./ tsc	108 156	- -	41 59	67 97	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	572 829	113 164	- -	459 666	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	0 0	- -	- -	0 0	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	11808 6766	3900 2235	- -	7908 4531	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	23245 6160	15063 3992	- -	8182 2168	- -
Wood shavings and chips	/ t ./ tsc	3159 1137	2802 1009	- -	358 129	- -
Other solid biofuel obtained from plants	/ t ./ tsc	16143 5673	16135 5670	- -	9 3	- -
Liquified biofuel	/ t ./ tsc	252 327	- -	- -	252 327	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	0 0	- -	- -	- -	- -

## 3.5.

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## Food and beverage service activities: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final consumption	transportation, distribution and storage losses
Hard coal	/ t ./ tsc	1151 863	1044 783	-	107 80	-
Brown coal	/ t ./ tsc	-	-	-	-	-
Peat	/ t ./ tsc	-	-	-	-	-
Hard coal briquettes	/ t ./ tsc	-	-	-	-	-
Brown coal briquettes (BKB)	/ t ./ tsc	-	-	-	-	-
Peat briquettes	/ t ./ tsc	242 121	168 84	-	74 37	-
Coal coke and coke breeze; gas coke	/ t ./ tsc	-	-	-	-	-
Pitch and coal pitch	/ t ./ tsc	-	-	-	-	-
Coal, brown coal or peat tar	/ t ./ tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-

3.5 / Continuation of the table 3.5

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	17958 20832	13249 15369	- -	4710 5463	- -
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	-	-	-	-	-
Motor gasoline	/ t ./ tsc	1585 2362	- -	- -	1585 2362	- -
Road diesel	/ t ./ tsc	1440 2088	20 29	- -	1420 2060	- -
Kerosene	/ t ./ tsc	-	-	-	-	-
Heavy fuel oil	/ t ./ tsc	339 465	339 465	- -	- -	- -
Light oil distillates and light fractions	/ t ./ tsc	-	-	-	-	-
Middle oil distillates, other middle fractions	/ t ./ tsc	32 47	32 47	-	-	-
/ Lubricants	/ t ./ tsc	4 5	- -	4 5	- -	- -
Liquefied petroleum gases (LPG)	/ t ./ tsc	864 1356	551 864	- -	313 492	- -
Oil bitumen	/ t ./ tsc	-	-	-	-	-

3.5 / Continuation of the table 3.5

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	-	-	-	-	-
Petroleum coke	/ t ./ tsc	-	-	-	-	-
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	-	-	-	-	-
Additives	/ t ./ tsc	-	-	-	-	-
Etan	/ t ./ tsc	-	-	-	-	-
Other oil products	/ t ./ tsc	0	-	-	0	-
Char coal	/ density, m <sup>3</sup> ./ tsc	2	-	-	2	-
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	854	694	-	160	-
Fuel wood	/ density, m <sup>3</sup> ./ tsc	7182	5173	-	2009	-
Wood shavings and chips	/ t ./ tsc	-	-	-	-	-
Other solid biofuel obtained from plants	/ t ./ tsc	333	333	-	-	-
Liquified biofuel	/ t ./ tsc	-	-	-	-	-
Biogas	/ thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-



### 3.6. , , Đ /

#### Transportation and storage: 2016

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
q /	/ t	36063	11324	-	24740	-
Hard coal	. / tsc	27047	8493	-	18555	-
/	/ t	53	44	-	9	-
Brown coal	. / tsc	16	13	-	3	-
/	/ t	-	-	-	-	-
Peat	. / tsc	-	-	-	-	-
q /	/ t	73	3	-	70	-
Hard coal briquettes	. / tsc	43	2	-	41	-
/	/ t	-	-	-	-	-
Brown coal briquettes (BKB)	. / tsc	-	-	-	-	-
/	/ t	1169	623	-	546	-
Peat briquettes	. / tsc	584	312	-	273	-
/	/ t	4	-	-	4	-
Coal coke and coke breeze; gas coke	. / tsc	4	-	-	4	-
/	/ t	-	-	-	-	-
Pitch and coal pitch	. / tsc	-	-	-	-	-
q	/ t	109	-	109	-	-
Coal, brown coal or peat tar	. / tsc	142	-	142	-	-
/	thsd. m <sup>3</sup>	-	-	-	-	-
Coke oven gas	. / tsc	-	-	-	-	-
/	thsd. m <sup>3</sup>	-	-	-	-	-
Blast furnace gas	. / tsc	-	-	-	-	-
( , ; , ) /	thsd. m <sup>3</sup>	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	. / tsc	-	-	-	-	-

3.6 / Continuation of the table 3.6

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
	thsd. m <sup>3</sup>	-	-	-	-	-
The gas obtained in the process of converter steel production	. / tsc	-	-	-	-	-
	thsd. m <sup>3</sup>	3787023	115537	540	3670816	132
Natural gas	. / tsc	4392947	134022	626	4258146	153
	/ t	-	-	-	-	-
Conventional crude oil including observed from bitumenous minerals	. / tsc	-	-	-	-	-
	/ t	9	-	-	9	-
Natural gas liquids (NGL)	. / tsc	12	-	-	12	-
	/ t	55874	15	9	55849	0
Motor gasoline	. / tsc	83252	22	14	83215	0
	/ t	1145095	222	26	1144837	10
Road diesel	. / tsc	1660388	322	38	1660014	15
	/ t	177099	-	65	177034	-
Kerosene	. / tsc	256801	-	96	256705	-
	/ t	29678	9373	597	19708	-
Heavy fuel oil	. / tsc	40659	12841	818	27000	-
	/ t	928	-	10	919	-
Light oil distillates and light fractions	. / tsc	1346	-	14	1332	-
	/ t	3490	372	0	3119	-
Middle oil distillates, other middle fractions	. / tsc	5061	539	0	4522	-
	/ t	16147	-	15943	204	-
/ Lubricants	. / tsc	22121	-	21842	279	-
	/ t	14722	11	18	14694	-
Liquefied petroleum gases (LPG)	. / tsc	23114	16	27	23070	-
	/ t	59810	-	55219	4592	-
Oil bitumen	. / tsc	80744	-	74545	6199	-

3.6 / Continuation of the table 3.6

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	1 2	- -	1 2	- -	- -
Petroleum coke	/ t ./ tsc	- -	- -	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	24 35	- -	- -	24 35	- -
Additives	/ t ./ tsc	8 12	- -	1 1	8 11	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	1403 2034	18 27	373 541	1012 1467	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	8034 4603	5827 3339	- -	2208 1265	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	40725 10792	19554 5182	0 0	21171 5610	- -
Wood shavings and chips	/ t ./ tsc	1328 478	1326 477	- -	2 1	- -
Other solid biofuel obtained from plants	/ t ./ tsc	13941 4582	12954 4262	- -	987 321	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	- -	- -	- -	- -	- -

## 3.7.

## / Other types of economic activity: 2016

	Unit	Total	/ including			
			transformation into other types of fuel and energy	/ non-energy use (raw material)	final / consumption	transportation, distribution and storage losses
Hard coal	/ t	315612	259462	6	56144	-
	. / tsc	236709	194596	5	42108	-
Brown coal	/ t	5711	5533	-	178	-
	. / tsc	1679	1627	-	52	-
Peat	/ t	2858	2710	-	148	-
	. / tsc	920	873	-	48	-
Hard coal briquettes	/ t	3209	2565	-	644	-
	. / tsc	1894	1514	-	380	-
Brown coal briquettes (BKB)	/ t	567	509	-	58	-
	. / tsc	320	287	-	33	-
Peat briquettes	/ t	76694	57769	-	18925	-
	. / tsc	38347	28884	-	9462	-
Coal coke and coke breeze; gas coke	/ t	184	154	-	30	-
	. / tsc	179	149	-	29	-
Pitch and coal pitch	/ t	2	-	-	2	-
	. / tsc	3	-	-	3	-
Coal, brown coal or peat tar	/ t	-	-	-	-	-
	. / tsc	-	-	-	-	-
Coke oven gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Blast furnace gas	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-
Other gas obtained during coal gasification and ferrous metals production	thsd. m <sup>3</sup>	-	-	-	-	-
	. / tsc	-	-	-	-	-

3.7 / Continuation of the table 3.7

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
The gas obtained in the process of converter steel production	thsd. m <sup>3</sup> ./ tsc	-	-	-	-	-
Natural gas	thsd. m <sup>3</sup> ./ tsc	683841 793256	556747 645827	4859 5637	122219 141773	16 19
Conventional crude oil including observed from bitumenous minerals	/ t ./ tsc	-	-	-	-	-
Natural gas liquids (NGL)	/ t ./ tsc	1 1	-	-	1 1	-
Motor gasoline	/ t ./ tsc	129593 193093	23 35	13 19	129555 193037	2 3
Road diesel	/ t ./ tsc	100744 146079	1385 2008	6 9	99353 144062	0 0
Kerosene	/ t ./ tsc	5208 7551	-	15 21	5192 7529	-
Heavy fuel oil	/ t ./ tsc	6805 9323	6006 8229	-	798 1094	-
Light oil distillates and light fractions	/ t ./ tsc	14 21	-	13 19	1 1	-
Middle oil distillates, other middle fractions	/ t ./ tsc	1315 1906	1315 1906	-	-	-
/ Lubricants	/ t ./ tsc	2242 3072	-	2128 2916	114 156	-
Liquefied petroleum gases (LPG)	/ t ./ tsc	10197 16010	6 9	8 12	10184 15989	-
Oil bitumen	/ t ./ tsc	6902 9317	-	6901 9317	0 0	-

3.7 / Continuation of the table 3.7

	Unit /	Total /	/ including			
			transfor- mation into other types of fuel and energy	/ non- energy use (raw material)	final / consump- tion	transportation, distribution and storage losses
Oil vaseline, paraffin, mineral waxes and others	/ t ./ tsc	0 0	- -	0 0	- -	- -
Petroleum coke	/ t ./ tsc	91 98	91 98	- -	- -	- -
Ethylene, propylene, butylene, butadiene other refinery gas or other hydrocarbons, excluding natural gas	/ t ./ tsc	0 0	- -	0 0	0 0	- -
Additives	/ t ./ tsc	165 239	- -	165 239	- -	- -
Etan	/ t ./ tsc	- -	- -	- -	- -	- -
Other oil products	/ t ./ tsc	1001 1452	976 1415	23 33	2 3	- -
Char coal	/ density, m <sup>3</sup> ./ tsc	240 223	231 215	- -	9 8	- -
Fuel briguettes fnd pellets made of wood and other natural materials	/ t ./ tsc	46567 26683	43030 24656	- -	3537 2027	- -
Fuel wood	/ density, m <sup>3</sup> ./ tsc	753538 199687	594638 157579	76 20	158824 42088	- -
Wood shavings and chips	/ t ./ tsc	12745 4588	11506 4142	- -	1239 446	- -
Other solid biofuel obtained from plants	/ t ./ tsc	6674 2392	6249 2250	- -	424 142	- -
Liquified biofuel	/ t ./ tsc	- -	- -	- -	- -	- -
Biogas	/ thsd. m <sup>3</sup> ./ tsc	1117 1921	1117 1921	- -	- -	- -

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## **Methodological explanations**

### *on some statistical indicators mentioned in the publication*

Statistical publication "Fuel and energy resources of Ukraine" are based on statistical data reported on energy by the enterprises and organizations of Ukraine and processed by the state statistics institutions.

Fuel and energy accounts in natural units: tons, thousand cubic meters, dense cub.m, million kW h, thousand Gcal.

2015-2016 Ukraine energy balances generated using the outlay and the methodology of the International Energy Agency (IEA) and in accordance with the methodological guidelines for Energy Balance, approved by the State Statistics Committee of Ukraine order of 23.12.2011 374 that based on the IEA methodology.

While generating energy balances the indicators of the state statistical reports and administrative information of ministries and institutions of Ukraine are used.

The data of energy balances are given in thousand tons of oil equivalent (ktoe).

To calculate the total size of fuel production and use and to define specific fuel weights in total value, all fuels are converted from natural values into conventional units of coal equivalent (7,000 kcal / kg). Values of calorific equivalents were averaged across Ukraine for the chosen year of working out the reports and they were calculated by the enterprises and organizations actual data that reported in forms No 11 mtp and No 11 mtp (fuel). For converting the regions' data into standard fuel used the average calorific equivalents calculated for Ukraine in whole based on 2016 data.

The names of fuel types are given in accordance with the Industrial Product Nomenclature (H ), approved by the State Statistics Committee of Ukraine on 30.08.2002 320 (as amended).

Total value of fuel consumption in Ukraine and its regions include energy own use of the enterprises. Data on motor gasoline and gas/diesel oil consumption given including the value of retail trade through the filling stations.

The natural gas volumes include associated gas of oil deposits and methane collected in coal mines.

The hard coal and brown coal volumes include hard coal and lignite ready for use.

The values of electricity generation and output include the electricity generated by all power stations that have independent balance or owned by the industrial, construction, transport, public organizations and other reporting enterprises and organizations.

Indicators of energy supply and release include information on established capacity and volumes of electricity and heat output for all types of power generating capacities: thermal power plants for power generation (electricity plants), heat and power plants (thermal power plants with a combined cycle of production of electric and thermal energy - CHP) , nuclear power plants (NPP), wind power plants, solar power plants, hydroelectric

power stations, pumped hydroelectric power stations, heat plants, utilization installations, electric boilers, heat pumps and other power generating units.

Installed electric and thermal power plants capacity of energy supply sources given for December 31 of the reporting year.

Indicators on the energy use include data on the total use of electricity (active energy), heat energy (steam and hot water) by all income sources (both from own production and from external revenues) for the production, operational, heating and lightening needs of enterprises. Data for 2016 include power generating enterprises (installations) own use, as well as the use of electric power for pumped hydro.

Notion "Total use " include the use of energy materials and oil processing products for transformation into other types of fuel and energy, for non-energy needs ( as a raw material), for final consumption, losses in transformation and processing into non-fuel products but also losses in transportation , distribution and storage. The use of energy materials and oil processing products in major directions of their use are given in Sections 2 and 3 of this publication.

Notion "Final fuel consumption" includes the volumes of fuel consumption in all spheres except for the fuel used for transformation into other forms of energy or fuel products and those, which are used for non-energy purposes.

## 1.1 ENERGY BALANCE OF UKRAINE

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production											
Imports											
Exports											
Intl. Bunkers											
Stock changes											
TPES											
Transfers											
Statistical differences											
Electricity Plants											
CHP Plants											
Heat Plants											
Blast furnaces											
Gas works											
Coke/pat.fuel/BKB plants											
Oil Refineries											
Petrochemical plants											
Other Transformation											
Energy industry own use											
Losses											
TFC											
INDUSTRY											
Iron and steel											
Chemical and petrochemical											
Non-ferrous metals											
Non-metallic minerals											

SUPPLY AND CONSUMPTION	Thousand tonnes of oil equivalent										
	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Transport equipment											
Machinery											
Mining and quarrying											
Food and tobacco											
Paper Pulp and Printing											
Wood and wood products											
Construction											
Textile and leather											
Non-specified											
<b>TRANSPORT</b>											
Domestic aviation											
Road											
Rail											
Pipeline transport											
Domestic Navigation											
Non-specified											
<b>OTHER</b>											
Residential											
Comm. and Publ. Services											
Agriculture/forestry											
Fishing											
Non-specified											
<b>NON-ENERGY USE</b>											
in											
Industry/Transf./Energy											
of which: Feedstocks											
in Transport											
in other											

\* Production of Coal/Peat includes 3402ktoe of Coal - From Other Sources - Coal

**UKRAINE ENERGY BALANCE (BY PRODUCTS)**

SUPPLY AND CONSUMPTION	Coal (kt)				Coal gases (TJ)		
	Coking coal	Other bit. coal / anth.	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases* <small>(inc. gas work gas)</small>
Production							
From other sources							
Imports							
Exports							
Intl. bunkers							
Stock changes							
<b>DOMESTIC SUPPLY</b>							
Transfers							
Statistical differences							
<b>TRANSFORMATION</b>							
Electricity plants							
CHP plants							
Heat plants							
Blast furnaces							
Gas works							
Coke/pat.fuel/BKB/PB plants							
Other transformation							
Other transformation							
<b>ENERGY IND. OWN USE</b>							
Fuel mining and extraction							
Oil refineries							
Elec., CHP and heat plants							
Pumped storage plants							
Other energy ind. own use							
Losses							
<b>FINAL CONSUMPTION</b>							
<b>INDUSTRY</b>							
Iron and steel							
Chemical and petrochemical							
Non-ferrous metals							
Non-metallic minerals							
Transport equipment							
Machinery							
Mining and quarrying							
Food and tobacco							
Paper, pulp and print							
Wood and wood products							
Construction							
Textile and leather							
Non-specified							
<b>TRANSPORT</b>							
Road							
Railway							
Pipeline transport							
Non-specified							
<b>OTHER</b>							
Residential							
Comm. and public services							
Agriculture/forestry							
Fishing							
Non-specified							
<b>NON-ENERGY USE</b>							
in industry/transf./energy							
<i>of which: chem./petrochem.</i>							
in transport							

(Continuation I)

SUPPLY AND CONSUMPTION	Peat (fuel) (kt)	Natural gas (TJ)	Oil (kt)				
			Crude oil	NGL	Feed- stocks	Additives*	Refinery gas
Production							
From other sources							
Imports							
Exports							
Intl. bunkers							
Stock changes							
<b>DOMESTIC SUPPLY</b>							
Transfers							
Statistical differences							
<b>TRANSFORMATION</b>							
Electricity plants							
CHP plants							
Heat plants							
Gas works							
Coke/pat.fuel/BKB/PB plants							
Other transformation							
<b>ENERGY IND. OWN USE</b>							
Fuel mining and extraction							
Oil refineries							
Elec., CHP and heat plants							
Pumped storage plants							
Other energy ind. own use							
Losses							
<b>FINAL CONSUMPTION</b>							
<b>INDUSTRY</b>							
Iron and steel							
Chemical and petrochemical							
Non-ferrous metals							
Non-metallic minerals							
Transport equipment							
Machinery							
Mining and quarrying							
Food and tobacco							
Paper, pulp and print							
Wood and wood products							
Construction							
Textile and leather							
Non-specified							
<b>TRANSPORT</b>							
Road							
Rail							
Pipeline transport							
Non-specified							
<b>OTHER</b>							
Residential							
Comm. and public services							
Agriculture/forestry							
Fishing							
Non-specified							
<b>NON-ENERGY USE</b>							
in industry/transf./energy							
of which: chem./petrochem.							
in transport							
Non-specified							

(Continuation II)

SUPPLY AND CONSUMPTION	Oil cont. (kt)						
	LPG	Motor gasoline	Other kerosene	Gas / diesel	Fuel oil	Petroleum coke	Other products
Production							
From other sources							
Imports							
Exports							
Intl. bunkers							
Stock changes							
<b>DOMESTIC SUPPLY</b>							
Transfers							
Statistical differences							
<b>TRANSFORMATION</b>							
Electricity plants							
CHP plants							
Heat plants							
Other transformation							
<b>ENERGY IND. OWN USE</b>							
Fuel mining and extraction							
Oil refineries							
Elec., CHP and heat plants							
Pumped storage plants							
Other energy ind. own use							
Losses							
<b>FINAL CONSUMPTION</b>							
<b>INDUSTRY</b>							
Iron and steel							
Chemical and petrochemical							
Non-ferrous metals							
Non-metallic minerals							
Transport equipment							
Machinery							
Mining and quarrying							
Food and tobacco							
Paper, pulp and print							
Wood and wood products							
Construction							
Textile and leather							
Non-specified							
<b>TRANSPORT</b>							
Domestic aviation							
Road							
Rail							
Pipeline transport							
Domestic navigation							
Non-specified							
<b>OTHER</b>							
Residential							
Comm. and public services							
Agriculture/forestry							
Fishing							
Non-specified							
<b>NON-ENERGY USE</b>							
in industry/transf./energy of which: chem./petrochem.							
in transport							
Non-specified							

(Continuation III)

SUPPLY AND CONSUMPTION	Biofuels and waste**				Electricity (GWh)	Heat** (TJ)
	Solid bio-fuels* (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production						
From other sources						
Imports						
Exports						
Intl. bunkers						
Stock changes						
<b>DOMESTIC SUPPLY</b>						
Transfers						
Statistical differences						
<b>TRANSFORMATION</b>						
Electricity plants						
CHP plants						
Heat plants						
Coke/pat.fuel/BKB/PB plants						
Other transformation						
<b>ENERGY IND. OWN USE</b>						
Fuel mining and extraction						
Oil refineries						
Elec., CHP and heat plants						
Pumped storage plants						
Other energy ind. own use						
Losses						
<b>FINAL CONSUMPTION</b>						
<b>INDUSTRY</b>						
Iron and steel						
Chemical and petrochemical						
Non-ferrous metals						
Non-metallic minerals						
Transport equipment						
Machinery						
Mining and quarrying						
Food and tobacco						
Paper, pulp and print						
Wood and wood products						
Construction						
Textile and leather						
Non-specified						
<b>TRANSPORT</b>						
Domestic aviation						
Road						
Rail						
Pipeline transport						
Domestic navigation						
Non-specified						
<b>OTHER</b>						
Residential						
Comm. and public services						
Agriculture/forestry						
Fishing						
Non-specified						
<b>NON-ENERGY USE</b>						
in industry/transf./energy of which: chem./petrochem. in transport Non-specified						



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