



# Fuel and energy balance of the Republic of Kazakhstan 2010-2014



**Ministry of National economy of the Republic of Kazakhstan  
Committee on statistics**

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**Fuel and energy balance  
of the Republic of Kazakhstan**

**2010-2014**

**Statistical collection**

**Astana 2015**

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#### Foreword

The statistical collection «Fuel and energy balance of the Republic of Kazakhstan» contains materials describing the state of the fuel and energy complex of the Republic of Kazakhstan in 2010-2014. It provides information about the parameters describing the resource and distribution sections of the fuel and energy balance, in particular, extraction (production) and stocks of fuel and energy resources, their import and export, their conversion to other kinds of fuel and energy, use for production needs and other spheres of consumption in natural and conventional terms.

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#### Conventional symbols:

«-» - not applicable;

0,0 – negligible magnitude;

«...» - data are not available (not presented)

In separate cases slight discrepancies between total and sum of items are explained by rounding of data

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Item's number	Name of the item
1	Resources
1.1	Extraction (production)
1.2	Import
1.3	Stock at the beginning of the year
2	Distribution
2.1	Consumed within the country including
2.1.1	for the conversion into other types of energy
2.1.2	for the production – technological and other needs
2.2	Export
2.3	Losses
2.4	Stock at the end of the year

The «Resources» section of the balance contains a list of items describing the sources of forming fuel and energy resources, namely

1.1 «Extraction (production)» implies a number of fuel and energy resources extracted or produced on the territory of the Republic. The item «production» contains also fuel and energy resources consumed by the manufacturer during the extraction (production) process, e.g. to actuate equipment and auxiliary machinery.

1.2 «Import» describes a number of fuels imported from other countries (including the CIS countries).

1.3 «Stock at the beginning of the year» is about balances of all the types of fuel kept by the consumers and suppliers in all the factory, intermediate, workshop warehouses, warehouses of auxiliary enterprises and industries, in tanks and other storage areas (own and leased), in bunkers, measuring containers, receiving and other tanks. It also includes fuel balances on construction sites, near boilers, production equipment, in warehouses of housing and communal, cultural, household and other objects, which are on the balance of the reporting entities. It also takes into consideration balances of the given enterprise, but which are kept, according to some reasons, in another enterprise as well as balances of fuel on ships at moorings, on the wharves, in ports, locomotives, in depot. It should also be remembered that balances of liquid petroleum products (fuel oil, diesel fuel, etc.) contain the whole volume of fuel kept in tanks including that one, which cannot be drained (dead balance).

2 of the «Distribution» section takes into consideration analogous indicators at the end of the year.

The «Distribution» section has a list of items describing the use amount of fuel and energy resources, namely

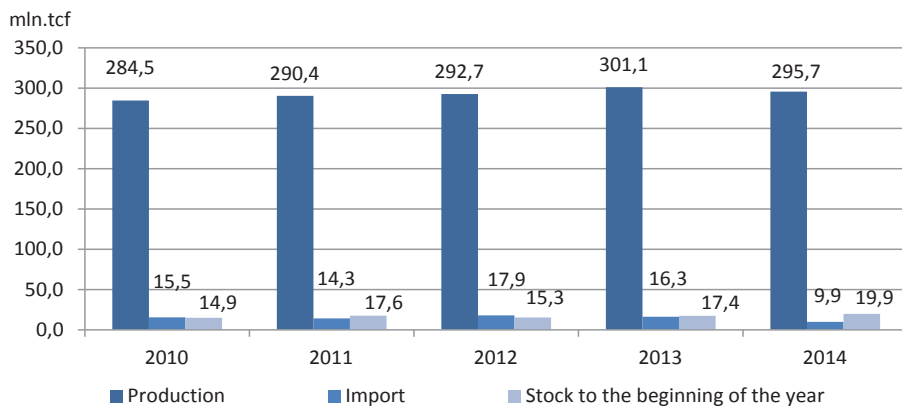
2.1 «Consumed within the country» describes general consumption of fuel and energy resources in all kinds of economic activity, which is, in its turn, subdivided into target areas of their use, namely fuel and energy consumption for the conversion into other kinds of energy (electrical and thermal) and for the production and technological needs. It is calculated as a sum of indicators of the consumption items 2.1.1, 2.1.2.

2.2 «Export» implies export of fuel and energy taking into consideration export to the near and far abroad.

2.3 «Losses» describes losses at the consumption stages (including losses while storing and transporting) and in public networks (for electrical and thermal energy).

If in the obtained balances «Resources» exceed their «Distribution» or, on the contrary, i.e. in case of imbalance, additional items of the balance «Other receipts» in the «Resources» section or «Other consumption» in the «Distribution» section are introduced.

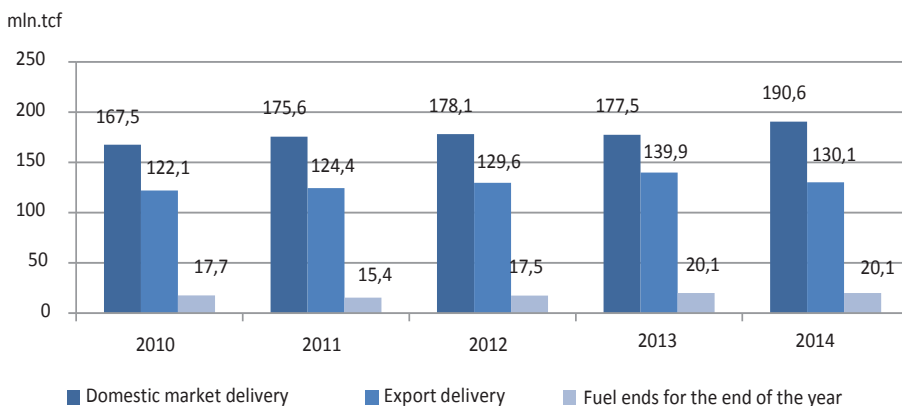
### Fuel and energy plan resource form structural part



Kazakhstan possesses a huge reserves of natural and energy resources. In spite of it, formed power balance for 2014 showed that republic provides domestic needs in energy supply incompletely, where import is 2,9% from resources total volume. As compared with a level of the previous year, production of energy resources has increased by 1,8%, apparent specific gravity of which is 84,6%.

There have been changes in the structure of distribution form: apparent specific gravity of energy resources supplied to domestic market has increased from 53,2% in 2010 to 54,5% in 2014, and the energy resources share of export has decreased from 38,8 to 37,2% respectively.

### Fuel and energy balance plan distribution form structural part



In 2014 on the domestic market of the country has consumed 190 571,8 thousands or 54,5% from the energy resources total volume, 32,6% has spent for conversion to other energy views and 44,8% has spent for engineering and manufacturing and other needs.

Fuel and energy balance of the republic composed of the most important energy resources produce markets, the most important are natural resources. Natural resources in energy resources total volume is 70,5%. In the natural resources compound there is 43,2 % of petrol, including gas-condensate, 35,2% of coal, 21,6% of natural gas.

## 1. Fuel and energy balance

### 1.1 Fuel and energy balance

	thousands of tons of conventional fuel					2014 in percent to			
	2010	2011	2012	2013	2014	2010	2011	2012	2013
Resources - total	315 029	323 658	333 907	347 342	349 660	111,0	108,0	104,7	100,7
Extracted (produced)	284 461	290 394	292 752	301 112	295 729	104,0	101,8	101,0	98,2
Import	15 483	14 275	17 941	16 280	9 981	64,5	69,9	55,6	61,3
Other receipts	167	1 368	7 931	12 551	24 039	14 394,6	1 757,2	303,1	191,5
Stock at the beginning of the year	14 918	17 621	15 283	17 400	19 912	133,5	113,0	130,3	114,4
Distribution - total	315 029	323 658	333 907	347 342	349 660	111,0	108,0	104,7	100,7
Used up	130 551	135 687	136 906	139 572	147 543	113,0	108,7	107,8	105,7
Including									
conversion into other kinds of energy	52 530	52 259	54 653	55 311	62 144	118,3	118,9	113,7	112,4
production - technological and other needs	78 021	83 428	82 253	84 260	85 399	109,5	102,4	103,8	101,4
Export	122 144	124 380	129 560	139 960	130 088	106,5	104,6	100,4	92,9
Other consumption	37 003	39 912	41 199	37 887	43 029	116,3	107,8	104,4	113,6
Losses	7 622	8 295	8 720	9 806	8 339	109,4	100,5	95,6	85,0
Stock at the end of the year	17 709	15 384	17 521	20 118	20 661	116,7	134,3	117,9	102,7

### 1.2 Structure of the fuel and energy balance

	in percent to total				
	2010	2011	2012	2013	2014
Resources - total	100,0	100,0	100,0	100,0	100,0
Extracted (produced)	90,3	89,7	87,7	86,7	84,6
Import	4,9	4,4	5,4	4,7	2,9
Other receipts	0,1	0,5	2,3	3,6	6,8
Stock at the beginning of the year	4,7	5,4	4,6	5,0	5,7
Distribution - total	100,0	100,0	100,0	100,0	100,0
Used up	41,5	41,9	41,0	40,2	42,2
Including					
conversion into other kinds of energy	16,7	16,1	16,4	15,9	17,8
production - technological and other needs	24,8	25,8	24,6	24,3	24,4
Export	38,8	38,4	38,8	40,3	37,2
Other consumption	11,7	12,3	12,4	10,9	12,3
Losses	2,4	2,6	2,6	2,8	2,4
Stock at the end of the year	5,6	4,8	5,2	5,8	5,9

### 1.3 Fuel and energy balance of the Republic of Kazakhstan for 2010

thousands of tons of conventional fuel

	Total	Natural fuel	Of which			Other kinds of fuel and energy resources
			crude oil including gas condensate	natural gas	coal including lignite	
Resources - total	315 029	224 568	110 652	40 984	72 931	90 461
Extracted (produced)	284 461	201 183	98 331	34 998	67 854	83 278
Import	15 483	11 643	7 377	4 107	158	3 841
Other receipts	167	-	-	-	-	167
Stock at the beginning of the year	14 918	11 742	4 944	1 879	4 918	3 176
Distribution - total	315 029	224 568	110 652	40 984	72 931	90 461
Consumed within the country	130 551	83 680	18 115	27 652	37 913	46 871
conversion into other kinds of energy	52 530	51 032	674	19 526	30 833	1 498
production - technological and other need	78 021	32 648	17 441	8 126	7 080	45 373
Export	122 144	105 346	78 891	7 283	19 172	16 798
Other consumption	37 003	18 100	6 619	2 938	8 543	18 903
Losses	7 622	3 335	883	1 216	1 235	4 288
Stock at the end of the year	17 709	14 108	6 145	1 896	6 067	3 601

### 1.4 Fuel and energy balance of the Republic of Kazakhstan for 2011

thousands of tons of conventional fuel

	Total	Natural fuel	Of which			Other kinds of fuel and energy resources
			crude oil including gas condensate	natural gas	coal including lignite	
Resources - total	323 658	230 438	110 522	42 686	77 230	93 220
Extracted (produced)	290 394	205 377	98 795	35 508	71 073	85 018
Import	14 275	10 963	5 585	5 282	97	3 312
Other receipts	1 368	-	-	-	-	1 368
Stock at the beginning of the year	17 621	14 098	6 142	1 896	6 060	3 523
Distribution - total	323 658	230 438	110 522	42 686	77 230	93 220
Consumed within the country	135 686	87 294	19 640	27 529	40 126	48 392
conversion into other kinds of energy	52 259	50 982	193	19 766	31 023	1 276
production - technological and other needs	83 428	36 312	19 448	7 763	9 102	47 116
Export	124 380	110 813	84 773	7 104	18 936	13 567
Other consumption	39 912	15 757	585	5 492	9 680	24 155
Losses	8 295	4 045	750	1 187	2 109	4 250
Stock at the end of the year	15 384	12 528	4 775	1 374	6 379	2 856

## 1.5 Fuel and energy balance of the Republic of Kazakhstan for 2012

thousands of tons of conventional fuel

	Total	Natural fuel	Of which			Other kinds of fuel and energy resources
			crude oil including gas condensate	natural gas	coal including lignite	
Resources - total	333 907	235 954	110 196	45 482	80 275	97 953
Extracted (produced)	292 752	207 048	97 763	35 524	73 761	85 704
Import	17 941	12 522	7 306	5 084	132	5 419
Other receipts	7 931	3 964	463	3 501	-	3 967
Stock at the beginning of the year	15 283	12 419	4 664	1 373	6 382	2 863
Distribution - total	333 907	235 954	110 196	45 482	80 275	97 953
Consumed within the country	136 906	87 574	18 765	28 058	40 750	49 333
conversion into other kinds of energy	54 653	53 180	128	20 956	32 095	1 474
production - technological and other needs	82 253	34 394	18 637	7 102	8 655	47 859
Export	129 560	118 291	85 712	12 531	20 047	11 270
Other consumption	41 199	11 583	90	2 496	8 998	29 615
Losses	8 720	4 384	859	1 171	2 355	4 336
Stock at the end of the year	17 521	14 122	4 771	1 226	8 125	3 399

## 1.6 Fuel and energy balance of the Republic of Kazakhstan for 2013

thousands of tons of conventional fuel

	Total	Natural fuel	Of which			Other kinds of fuel and energy resources
			crude oil including gas condensate	natural gas	coal including lignite	
Resources - total	347 342,1	242 149,8	114 933,6	45 628,4	81 587,8	105 192,3
Extracted (produced)	301 111,9	212 429,3	100 925,1	38 109,5	73 394,7	88 682,6
Import	16 280,0	11 708,1	9 246,6	2 318,6	142,9	4 571,9
Other receipts	12 550,7	3 974,3	-	3 974,3	-	8 576,4
Stock at the beginning of the year	17 399,6	14 038,2	4 761,9	1 226,1	8 050,2	3 361,4
Distribution - total	347 342,1	242 149,8	114 933,6	45 628,4	81 587,8	105 192,3
Consumed within the country	139 571,6	90 073,6	20 884,0	27 303,6	41 886,0	49 498,0
conversion into other kinds of energy	55 311,4	54 313,6	121,1	21 483,4	32 709,1	997,8
production - technological and other needs	84 260,2	35 760,0	20 762,9	5 820,2	9 176,9	48 500,2
Export	139 959,8	117 873,1	85 219,7	11 934,5	20 718,9	22 086,7
Other consumption	37 886,6	3 500,0	3 386,9	2 609,6	7 503,5	24 386,6
Losses	9 805,6	4 251,6	751,8	1 095,6	2 404,2	5 554,0
Stock at the end of the year	20 118,3	16 451,7	4 691,4	2 685,1	9 075,2	3 666,6

## 1.7 Fuel and energy balance of the Republic of Kazakhstan for 2014

thousands of tons of conventional fuel

	Total	Natural fuel	Of which			Other kinds of fuel and energy resources
			crude oil including gas condensate	natural gas	coal including lignite	
Resources - total	349 660	246 530	106 405	53 361	86 765	103 130
Extracted (produced)	295 729	208 449	99 739	38 859	69 852	87 280
Import	9 980	6 127	1 195	4 875	58	3 853
Other receipts	24 039	15 572	771	6 942	7 859	8 467
Stock at the beginning of the year	19 912	16 382	4 701	2 685	8 996	3 530
Distribution - total	349 660	246 530	106 405	53 361	86 765	103 130
Consumed within the country	147 543	97 048	20 547	32 208	44 293	50 495
conversion into other kinds of energy	62 144	59 131	14	25 208	33 909	3 013
production - technological and other needs	85 399	37 917	20 533	7 000	10 385	47 482
Export	130 088	112 044	80 659	12 272	19 114	18 044
Other consumption	43 029	17 160	284	5 191	11 685	25 869
Losses	8 399	4 283	732	996	2 556	4 056
Stock at the end of the year	20 661	15 995	4 184	2 694	9 116	4 666

## 1.8 Fuel and energy balance by components for fuels and energy in terms of conventional fuel for 2014

thousands of tons of conventional fuel

Items of balance	Fuel and energy resources	Stone coal of coke	Stone coal of energy	Stone coal of energy with high ash	Briguettes, pellets of coal
Calorie conversion factor		0,626	0,626	0,626	0,8
Resources	349 660,2	12 720,0	62 567,0	8 561,0	7,9
Stock at the beginning of the year	19 911,5	1 041,8	6 731,9	1 118,2	0,3
Extracted (produced)	295 729,1	11 209,4	55 829,9		7,6
Received from aside from all the sources including imports	34 019,6	468,8	5,2	7 442,8	-
Distribution	349 660,2	12 720,0	62 567,0	8 561,0	7,9
Used up - total	147 542,6	8 279,5	29 208,5	6 714,1	1,5
Including					
conversion into other kinds of energy	62 143,8	1 160,3	26 828,6	5 903,5	-
Recycling and other types of fuel	9 773,2	6 643,5	248,5	-	-
as a raw material for the production of chemical, petrochemical industries and other non-fuel products	7 045,5	45,7	40,0	17,6	-
as a material for non - fuel needs	14 004,4	176,7	2,7	3,1	-
Directly as a fuel or energy	54 575,6	253,3	2 088,7	789,9	1,5
Losses	8 339,3	2 206,9	343,3	5,7	-
Released to other enterprises, population and for export	173 117,5	1 193,0	26 101,5	866,4	6,3
Stock at the end of the year	20 660,9	1 040,6	6 913,7	974,8	0,1

Continuation

Items of balance	Lignite (brown coal)	Crude oil	Gas condensate	Natural gas	Associated petroleum gas
Calorie conversion factor	0,408	1,234	1,234	1,169	1,15
Resources	2 916,4	88 843,0	17 562,4	28 171,9	25 188,7
Stock at the beginning of the year	103,9	4 062,2	638,7	2 679,5	5,6
Extracted (produced)	2 812,5	83 798,2	15 940,8	13 675,4	25 183,1
Received from aside from all the sources including imports	-	982,6	982,9	11 817,0	
Distribution	2 916,4	88 843,0	17 562,4	28 171,9	25 188,7
Used up – total	91,0	20 365,1	181,7	10 091,4	22 116,4
Including					
conversion into other kinds of energy	16,1	14,2	-	5 852,3	19 356,1
Recycling and other types of fuel	-	1 589,3	45,0	364,1	812,5
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	1,3	6 198,9	-	56,8	74,8
as a material for non - fuel needs	-	11 614,0	28,3	2,6	482,6
Directly as a fuel or energy	73,6	948,6	108,4	3 815,6	1 390,4
Losses	-	682,3	49,6	232,0	763,6
Released to other enterprises, population and for export	2 638,1	64 178,7	16 763,7	15 159,1	2 303,8
Stock at the end of the year	187,4	3 616,9	567,4	2 689,4	4,9

Continuation

Items of balance	Coke and semi - coke of coal	Sawdust and wood waste	Coal of wood	Aviation gasoline	Motor gasoline
Calorie conversion factor	0,99	0,36	0,93	1,49	1,49
Resources	4 141,6	39,9	134,7	25,1	8 471,3
Stock at the beginning of the year	185,4	5,2	27,0	0,9	1 127,0
Extracted (produced)	2 670,8	26,3		1,3	4 503,7
Received from aside from all the sources including imports	1 285,4	8,4	107,7	22,9	2 840,6
Distribution	4 141,6	39,9	134,7	25,1	8 471,3
Used up - total	3 883,0	15,3	63,3	20,2	1 845,8
Including					
conversion into other kinds of energy	0,1	3,7	14,3	-	0,8
Recycling and other types of fuel	-	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	509,5	-	-	-	-
as a material for non - fuel needs	616,3	4,2	-	-	6,8
Directly as a fuel or energy	2 757,1	7,3	48,9	20,2	1 838,2
Losses	3,6				16,5
Released to other enterprises, population and for export	14,8	21,6	46,5	-	5 006,8
Stock at the end of the year	240,2	3,0	24,9	4,9	1 602,2

Continuation

Items of balance	Jet fuel of gasoline type	Kerosene	Jet fuel of kerosene type	Gasoil	Heating oil
Calorie conversion factor	1,49	1,47	1,474	1,45	1,379
Resources	112,6	920,2	448,4	12 469,2	7 581,8
Stock at the beginning of the year	4,4	105,0	5,3	1 082,3	600,7
Extracted (produced)	-	167,3	443,1	7 306,6	5 346,0
Received from aside from all the sources including imports	108,2	647,9		4 080,3	1 635,1
Distribution	112,6	920,2	448,4	12 469,2	7 581,8
Used up - total	77,6	741,8	27,0	6 264,3	1 621,2
Including					
conversion into other kinds of energy	-	-	10,4	94,0	763,8
Recycling and other types of fuel	-	-	-	42,2	15,4
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	-	0,1	-	0,9	2,6
as a material for non - fuel needs	-	0,5	0,3	45,8	8,4
Directly as a fuel or energy	77,6	741,3	16,4	6 081,4	831,0
Losses		0,9	1,4	15,9	0,8
Released to other enterprises, population and for export	-	63,4	415,8	4 727,5	5 449,4
Stock at the end of the year	35,0	114,1	4,2	1 461,5	510,4

Continuation

Items of balance	Domestic heating fuel	Liquefied propane and butane	Purified gases including ethylene, propylene, butylenes, butadiene and other petroleum gases	Lean gas	Greased oil
Calorie conversion factor	1,413	2,209	1,57	1,169	1,438
Resources	550,4	6 165,6	770,1	10 532,5	199,8
Stock at the beginning of the year	33,0	264,0	1,3		20,3
Extracted (produced)	342,7	5 275,8	634,2	10 532,5	19,4
Received from aside from all the sources including imports	174,7	625,8	134,6		160,1
Distribution	550,4	6 165,6	770,1	10 532,5	199,8
Used up - total	148,7	428,3	309,4	1 679,5	95,9
Including					
conversion into other kinds of energy	14,9	7,7	0,0	846,3	1,2
Recycling and other types of fuel	2,7	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	0,6	0,3	-	-	0,1
as a material for non - fuel needs	1,6	6,1	3,1	-	6,5
Directly as a fuel or energy	128,9	414,3	306,3	833,2	88,1
Losses	-	37,8		186,4	0,1
Released to other enterprises, population and for export	217,2	5 398,1	449,1	8 666,6	38,2
Stock at the end of the year	184,5	301,4	11,6	-	65,6

Continuation

Items of balance	Oil and shale coke	Oil and shale bitumen	Furnace gas	Coke gas	Gas produced by distillation at refineries	Shale-distilling
Calorie conversion factor	0,544	1,08	0,143	0,571	1,169	0,3
Resources	168,9	745,0	717,4	518,8	165,5	0,3
Stock at the beginning of the year	10,6	45,7	-	-	-	-
Extracted (produced)	151,2	650,4	717,4	518,8	165,5	-
Received from aside from all the sources including imports	7,1	48,9	-	-	-	0,3
Distribution	168,8	745,0	717,4	518,8	165,5	0,3
Used up - total	12,0	436,0	717,4	518,8	163,7	-
Including						
conversion into other kinds of energy	-	-	-	-	-	-
Recycling and other types of fuel	-	-	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	12,0	84,2	-	-	0,1	-
as a material for non - fuel needs	-	261,5	717,4	-	-	-
Directly as a fuel or energy	-	90,3	-	518,8	163,6	-
Losses	-	-	-	-	-	-
Released to other enterprises, population and for export	143,0	232,5	-	-	1,8	-
Stock at the end of the year	13,9	76,5	-	-	-	0,3

Continuation

Items of balance	Tar	Oil easy distiller	Oil distillation products	Bio fuel	Electric power
Calorie conversion factor	1,3	1,49	1,45	0,48	0,345
Resources	36,1	185,3	227,5	1,3	30 202,3
Stock at the beginning of the year	-	11,2	0,2	-	-
Extracted (produced)	36,1	166,8	12,3	0,6	29 993,0
Received from aside from all the sources including imports	-	7,3	215,0	0,7	209,3
Distribution	36,1	185,3	227,5	1,3	30 202,3
Used up - total	-	23,9	17,6	1,0	21 946,9
Including					
conversion into other kinds of energy	-	-	10,7	-	1 194,0
Recycling and other types of fuel	-	9,3	0,6	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	-	-	-	-	-
as a material for non - fuel needs	-	14,6	1,2	-	-
Directly as a fuel or energy	-	-	5,1	0,9	20 752,9
Losses	-	0,1	0,2	-	2 436,0
Released to other enterprises, population and for export	36,1	155,3	204,1	0,2	5 819,4
Stock at the end of the year	-	6,0	5,6	0,1	-

Continuation

Items of balance	Heat energy	Hydropower produced by hydroelectric power plants	Wind electric power produced by wind power plants	Solar electric power produced by solar power plants
Calorie conversion factor	0,149	0,345	0,345	0,345
Resources	14 734,6	2 850,7	4,6	0,4
Stock at the beginning of the year	-	-	-	-
Extracted (produced)	14 734,6	2 850,7	4,6	0,4
Received from aside from all the sources including imports	-	-	-	-
Distribution	14 734,6	2 850,6	4,6	0,4
Used up - total	8 461,5	968,5	4,6	-
Including				
conversion into other kinds of energy	36,8	14,3	-	-
Recycling and other types of fuel	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	-	-	-	-
as a material for non - fuel needs	-	-	-	-
Directly as a fuel or energy	8 424,8	954,3	4,6	-
Losses	1 348,9	7,2	-	-
Released to other enterprises, population and for export	4 924,2	1 874,9	-	0,4
Stock at the end of the year	-	-	-	-

## 1.9 Fuel and energy balance of the Republic of Kazakhstan for 2014

terajoule

Items of balance	Fuel and energy resources	Stone coal of coke	Stone coal of energy	Stone coal of energy with high ash	Briguettes, pellets of coal
Calorie conversion factor		29,310	29,310	29,310	29,310
Resources	12 083 460,6	595 566,2	2 929 454,8	400 835,9	288,8
Stock at the beginning of the year	774 289,0	48 780,3	315 193,6	52 357,4	10,4
Extracted (produced)	10 123 747,4	524 838,1	2 614 016,2	-	278,4
Received from aside from all the sources including imports	1 185 424,2	21 947,8	244,9	348 478,5	-
Distribution	12 083 460,6	595 566,2	2 929 454,7	400 835,9	288,8
Used up - total	5 040 873,4	387 656,9	1 367 574,9	314 362,1	55,0
Including					
conversion into other kinds of energy	2 624 751,3	54 326,5	1 256 147,3	276 408,1	-
Recycling and other types of fuel	425 638,2	311 055,3	11 636,4	-	-
as a raw material for the production of chemical, petrochemical industries and other non-fuel products	241 303,9	2 139,3	1 873,1	824,8	-
as a material for non - fuel needs	478 099,1	8 275,3	125,1	144,4	-
Directly as a fuel or energy	1 271 080,9	11 860,5	97 793,0	36 984,8	55,0
Losses	255 634,2	103 330,9	16 071,5	269,1	-
Released to other enterprises, population and for export	5 993 020,0	55 856,0	1 222 102,8	40 564,5	231,6
Stock at the end of the year	793 933,0	48 722,4	323 705,5	45 640,2	2,2

Continuation

Items of balance	Lignite (brown coal)	Crude oil	Gas condensate	Natural gas	Associated petroleum gas
Calorie conversion factor	11,280	42,620	44,320	39,020	45,590
Resources	80 630,8	3 068 465,5	630 765,5	940 348,3	998 568,8
Stock at the beginning of the year	2 871,9	140 300,8	22 937,8	89 439,5	223,3
Extracted (produced)	77 758,7	2 894 229,3	572 525,7	456 470,8	998 345,5
Received from aside from all the sources including imports	0,2	33 935,4	35 302,0	394 438,0	-
Distribution	80 630,8	3 068 465,5	630 765,5	940 348,3	998 568,8
Used up – total	2 514,6	703 369,6	6 525,9	336 836,6	876 773,0
Including					
conversion into other kinds of energy	444,3	489,9	-	195 337,0	767 340,5
Recycling and other types of fuel	-	54 890,2	1 616,6	12 152,9	32 212,2
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	35,2	214 099,6	-	1 897,1	2 966,5
as a material for non - fuel needs	-	401 126,2	1 017,2	88,1	19 133,4
Directly as a fuel or energy	2 035,1	32 763,6	3 892,1	127 361,5	55 120,4
Losses	-	23 564,9	1 780,0	7 745,0	30 270,5
Released to other enterprises, population and for export	72 935,8	2 216 610,8	602 080,3	505 996,5	91 329,5
Stock at the end of the year	5 180,4	124 920,3	20 379,3	89 770,2	195,8

Continuation

Items of balance	Coke and semi - coke of coal	Sawdust and wood waste	Coal of wood	Aviation gasoline	Motor gasoline
Calorie conversion factor	26,380	12,600	28,890	43,970	43,970
Resources	110 358,8	1 396,5	4 183,2	740,4	249 989,7
Stock at the beginning of the year	4 941,5	181,9	839,1	26,1	33 258,9
Extracted (produced)	71 166,7	920,3	-	37,8	132 903,3
Received from aside from all the sources including imports	34 250,6	294,3	3 344,1	676,5	83 827,5
Distribution	110 358,8	1 396,5	4 183,2	740,4	249 989,7
Used up - total	103 468,5	534,8	1 965,1	596,8	54 470,9
Including					
conversion into other kinds of energy	3,7	130,0	444,9	-	23,1
Recycling and other types of fuel	-	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	13 576,3	-	-	-	-
as a material for non - fuel needs	16 422,8	147,9	0,6	-	201,3
Directly as a fuel or energy	73 465,7	256,9	1 519,7	596,8	54 246,5
Losses	96,7	-	-	0,1	487,9
Released to other enterprises, population and for export	394	755,6	1 443,5	-	147 750
Stock at the end of the year	6 399,6	106,1	774,6	143,5	47 280,9

Continuation

Items of balance	Jet fuel of gasoline type	Kerosene	Jet fuel of kerosene type	Gasoil	Heating oil
Calorie conversion factor	43,680	43,210	43,210	42,500	41,510
Resources	3 300,0	27 049,9	13 146,2	365 475,3	228 223,7
Stock at the beginning of the year	127,5	3 087,2	156,2	31 721,9	18 081,8
Extracted (produced)	-	4 918,5	12 990,0	214 159,3	160 923,5
Received from aside from all the sources including imports	3 172,5	19 044,2		119 594,1	49 218,4
Distribution	3 300,0	27 049,9	13 146,2	365 475,3	228 223,7
Used up - total	2 274,1	21 805,6	792,8	183 607,6	48 800,1
Including					
conversion into other kinds of energy	-	0,1	304,2	2 755,7	22 992,3
Recycling and other types of fuel	-	0,4	-	1 235,9	462,5
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	0,1	1,7	-	25,5	79,2
as a material for non - fuel needs	-	13,4	8,9	1 341,8	251,6
Directly as a fuel or energy	2 274,0	21 789,9	479,7	178 248,7	25 014,5
Losses	0,3	26,4	40,4	466,1	24,2
Released to other enterprises, population and for export	-	1 864,3	12 189,2	138 565,7	164 035,8
Stock at the end of the year	1 025,6	3 353,6	123,8	42 835,9	15 363,6

Continuation

Items of balance	Domestic heating fuel	Liquefied propane and butane	Purified gases including ethylene, propylene, butylenes, butadiene and other petroleum gases	Lean gas	Greased oil
Calorie conversion factor	42,500	45,590	45,590	45,590	41,800
Resources	16 552,4	127 247,1	22 362,8	410 758,3	5 808,1
Stock at the beginning of the year	988,7	5 448,2	38,3	-	589,6
Extracted (produced)	10 308,7	108 882,6	18 414,8	410 758,3	564,3
Received from aside from all the sources including imports	5 255,0	12 916,3	3 909,7	-	4 654,2
Distribution	16 552,4	127 247,1	22 362,8	410 758,2	5 808,1
Used up - total	4 471,2	8 839,1	8 985,7	65 500,1	2 788,4
Including					
conversion into other kinds of energy	447,8	158,2	1,0	33 006,1	34,9
Recycling and other types of fuel	82,4	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	17,5	6,2	-	-	2,6
as a material for non - fuel needs	46,8	125,2	90,4	-	190,1
Directly as a fuel or energy	3 876,7	8 549,5	8 894,3	32 494,0	2 560,8
Losses	0,2	781,0	-	7 269,6	2
Released to other enterprises, population and for export	6 533,1	111 408,6	13 040,2	337 988,5	1 111,2
Stock at the end of the year	5 547,9	6 218,4	336,9	-	1 906,5

Continuation

Items of balance	Oil and shale coke	Oil and shale bitumen	Furnace gas	Coke gas	Gas produced by distillation at refineries	Shale-distilling
Calorie conversion factor	41,800	36,400	4,000	17,590	46,100	9,200
Resources	12 978,0	25 109,7	20 068,4	15 982,6	6 525,8	9,8
Stock at the beginning of the year	810,8	1 540,6	-	-	-	-
Extracted (produced)	11 620,4	21 919,6	20 068,4	15 982,6	6 525,8	-
Received from aside from all the sources including imports	546,8	1 649,5	-	-	-	9,8
Distribution	12 978,0	25 109,7	20 068,4	15 982,6	6 525,8	9,8
Used up - total	921,4	14 696,4	20 068,4	15 982,6	6 454,9	-
Including						
conversion into other kinds of energy	-	-	-	-	-	-
Recycling and other types of fuel	-	-	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	917,8	2837,9	-	-	3,3	-
as a material for non - fuel needs	0,3	8 815,0	20 068,4	-	-	-
Directly as a fuel or energy	3,3	3 043,5	-	15 982,6	6 451,6	-
Losses	-	0,3	-	-	-	0,2
Released to other enterprises, population and for export	10 986,7	7 834,7	-	-	70,9	-
Stock at the end of the year	1 069,9	2 578,3	-	-	-	9,6

Continuation

Items of balance	Tar	Oil easy distiller	Oil distillation products	Bio fuel	Electric power
Calorie conversion factor	3,800	43,970	42,500	8,400	3,600
Resources	105,6	5 466,4	6 669,9	22,0	315 154,6
Stock at the beginning of the year	-	329,0	6,6	-	-
Extracted (produced)	105,6	4 921,1	361,2	10,5	312 970,8
Received from aside from all the sources including imports	-	216,3	6 302,1	11,5	2 183,8
Distribution	105,6	5 466,4	6 669,9	22,0	315 154,6
Used up - total	-	705,5	517,1	15,9	229 011,6
Including					-
conversion into other kinds of energy	-	-	314,5	-	12 459,6
Recycling and other types of fuel	-	275,3	17,9	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	-	-	-	-	-
as a material for non - fuel needs	-	430,1	34,9	-	-

Continuation					
Items of balance	Tar	Oil easy distiller	Oil distillation products	Bio fuel	Electric power
Directly as a fuel or energy	-	-	149,9	15,9	216 552,0
Losses	-	2,4	5,4	-	25 419,2
Released to other enterprises, population and for export	105,6	4 582,6	5 982,9	4,3	60 723,9
Stock at the end of the year	-	176,0	164,5	1,8	-

Continuation				
Items of balance	Heat energy	Heat energy	Wind electric power produced by wind power plants	Solar electric power produced by solar power plants
Calorie conversion factor	4,187	3,600	3,600	3,600
Resources	414 052,0	29 746,2	47,9	4,6
Stock at the beginning of the year	-	-	-	-
Extracted (produced)	414 052,0	29 746,2	47,9	4,6
Received from aside from all the sources including imports	-	-	-	-
Distribution	414 052,0	29 746,2	47,9	4,6
Used up - total	237 775,1	10 106,6	47,9	0,2
Including	-	-	-	-
conversion into other kinds of energy	1 033,0	148,4	-	-
Recycling and other types of fuel	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	-	-	-	-
as a material for non - fuel needs	-	-	-	-
Directly as a fuel or energy	236 742,1	9 958,2	47,9	0,2
Losses	37 904,3	75,5	-	-
Released to other enterprises, population and for export	138 372,6	19 564,1		4,4
Stock at the end of the year	-	-	-	-

## 2. Commodity markets of certain types of fuel and energy

### Coal market including lignite

The share of coal in the natural resources total volume in 2010- 32,5%, in 2011-33,5%, in 2012-34 %, in 2013-33,7%, 2014-35,2%. In the coal resources structure the share of the export in distribution in 2010-26,3%, in 2011-24%, in 2012-25,1%, in 2013-25,5%, 2014-22,4%. Herewith, the share of domestic market is: 72,1%, 73,3%, 72%,71,6% up to 74,7% respectively.

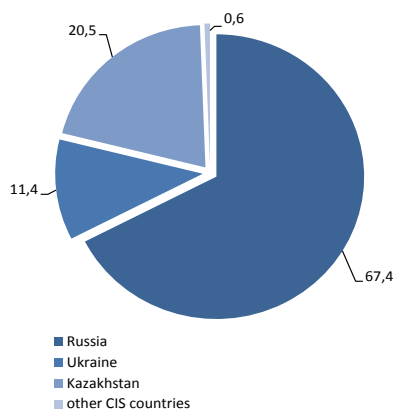
#### 2.1 Balances of resources and distribution of coal, including lignite

thousands of tons

	2010	2011	2012	2013	2014
Resources	119 106	126 374	131 042	132 735	141 091
Stock at the beginning of the year	7 921	9 769	10 301	12 932	14 459
Extracted (produced)	110 930	116 450	120 527	119 574	113 985
Received from aside from all the sources including imports	255	155	214	229	12 647
Distribution	119 106	126 374	131 042	132 735	141 091
Used up	61 269	64 727	65 356	66 976	70 833
Including					
conversion into other kinds of energy	49 914	50 144	51 470	52 262	54 181
production - technological and other needs	11 356	14 583	13 886	14 714	16 653
Losses	1 975	3 370	3 762	3 841	4 083
Released to other enterprises, population and for export	46 081	47 978	48 873	47 333	51 451
Stock at the end of the year	9 781	10 299	13 051	14 585	14 723

#### Extraction in the CIS countries in 2014

in percent to total



## Consumption, export and import

thousands of tons

	Coal including lignite		
	consumption in the domestic market	export	import
Akmolinskaya	2 233,3	136,7	-
Aktubinskaya	112,7	-	-
Almatinskaya	1 645,9	-	2,4
Atyrauskaya	0,5	-	-
Zapadno - Kazakhstanskaya	14,6	-	-
Zhambylskaya	240,1	8,4	-
Karagandinskaya	28 317,4	7 988,9	5,7
Kostanaiskaya	2 018,2	-	-
Kyzylordinskaya	117,5	-	-
Mangistauskaya	76,4	-	-
Yuzhno - Kazakhstanskaya	713,5	5,8	-
Pavlodarskaya	30 470,9	22 809,8	77,6
Severo - Kazakhstanskaya	3 021,4	0,9	0,3
Vostochno - Kazakhstanskaya	4 643,7	684,9	6,4
Astana city	3 282,5	0,3	-
Almaty city	2 310,7	-	-

## Crude oil market

Unrefined oil resources in 2014 where 72 mln.tons, including 67,9 mln.tons was mining in republic and 0,2 mln.tons import. From the total resources volume on domestic market consumption was 16,5 mln tons and for exports was released 52,0 mln.tons. Republic oil market still has export raw orientation. Oil supplies implement generally to Italy ( 28,6%), France (8,3%).

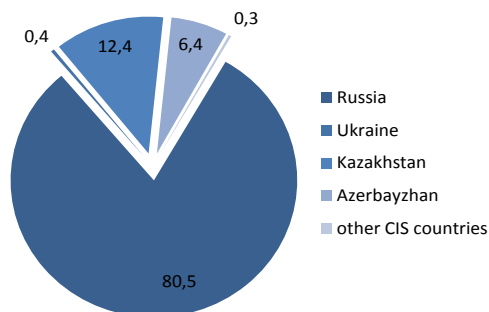
### 2.2 Balance of resources and distribution of crude oil

thousands of tons

	2010	2011	2012	2013	2014
Resources	77 537	76 690	75 866	79 963	71 996
Stock at the beginning of the year	3 475	4 403	3 219	3 217	3 292
Extracted (produced)	68 084	67 765	66 475	69 484	67 908
Received from aside from all the sources including imports	5 978	4 522	6 172	7 262	796
Distribution	77 537	76 690	75 866	79 963	71 996
Used up	14 245	15 506	15 128	16 666	16 503
Including	-	-	-	-	-
conversion into other kinds of energy	193	156	104	98	11
production - technological and other needs	14 052	15 350	15 024	16 568	16 492
Losses	697	591	640	577	553
Released to other enterprises, population and for export	58 191	57 284	56 873	59 435	52 009
Stock at the end of the year	4 405	3 309	3 225	3 284	2 931

## Oil extraction in the CIS countries in 2014

in percent to total



## Consumption, export and import

thousands of tons

	Crude oil		
	consumption in the domestic market	export	import
Akmolinskaya	-	-	-
Aktubinskaya	408,4	3 464,4	29,6
Almatinskaya	-	-	-
Atyrauskaya	5 128,2	31 909,4	-
Zapadno - Kazakhstanskaya	524,0	255,7	92,7
Zhambylskaya	3,2	-	-
Karagandinskaya	1,5	-	-
Kostanaiskaya	-	-	-
Kyzylordinskaya	221,1	3 921,8	-
Mangistauskaya	734,5	12 314,8	-
Yuzhno - Kazakhstanskaya	5 775,5	142,7	-
Pavlodarskaya	4 791,2	-	-
Severo - Kazakhstanskaya	0,3	-	-
Vostochno - Kazakhstanskaya	1,3	-	-
Astana city	-	-	-
Almaty city	-	-	49,4

## Natural gas market

In 2014 natural gas resources for 48,5% by equity production, and for 17,3% by import from CIS countries. There is tendency the share of natural gas is increasing in total volume of natural resources (from 18,3% in 2010 up to 21,6% in 2014)

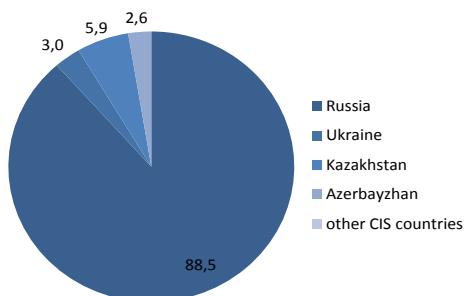
## 2.3 Balances of resources and natural gas distribution

mln. m<sup>3</sup>

	2010	2011	2012	2013	2014
Resources	15 719	16 635	19 404	17 689	24 099
Stock at the beginning of the year	1 599	1 613	1 170	1 033	2 292
Extracted (produced)	10 607	10 504	10 890	11 273	11 698
Received from aside from all the sources including imports	3 513	4 518	7 344	5 383	10 109
Distribution	15 719	16 635	19 404	17 689	24 099
Used up	6 631	6 548	6 969	4 474	8 632
Including					
conversion into other kinds of energy	1 546	1 737	3 337	1 870	5 006
production - technological and other needs	5 085	4 811	3 632	2 604	3 626
Losses	83	96	132	153	198
Released to other enterprises, population and for export	7 393	8 821	11 270	10 770	12 968
Stock at the end of the year	1 613	1 169	1 033	2 292	2 301

## Extraction in the CIS countries in 2014

in percent to total



## Consumption, export and import

mln. m<sup>3</sup>

	Natural gas		
	consumption in the domestic market	export	import
Akmolinskaya	-	-	-
Aktubinskaya	127,9	-	-
Almatinskaya	246,4	-	-
Atyrauskaya	2 229,4	-	-
Zapadno - Kazakhstanskaya	855,6	-	-
Zhambylskaya	2 317,3	-	-
Karagandinskaya	-	-	-
Kostanaiskaya	1 152,5	-	-

	Natural gas		
	consumption in the domestic market	export	import
Kyzylordinskaya	144,4	-	-
Mangistauskaya	3 539	-	-
Yuzhno - Kazakhstanskaya	1 243,2	-	-
Pavlodarskaya	-	-	-
Severo - Kazakhstanskaya	-	-	-
Vostochno - Kazakhstanskaya	0,2	419,2	-
Astana city	-	1 801,8	3 066,9
Almaty city	1 279,5	8 276,5	1 103,0

### Electric power market

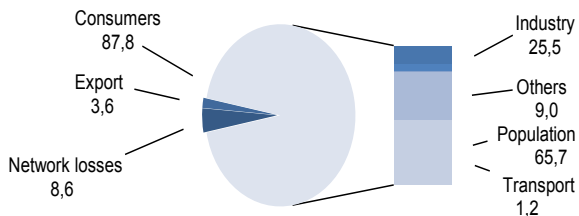
Electricity production was in 2010-82,6 mlr.kw/h, in 2011-78,7 mlr.kw/h, in 2012-83,6 mlr.kw/h, in 2013-87,6 mlr.kw/h, 2014-86,9 mlr.kw/h. In 2014 export to Russia was 3,9 mlr.kw/h of electricity. Electricity from Russia supplies generally to the consumers of West Kazakhstan, but from Middle Asia to the consumers of Southern Kazakhstan. Thus, 1,7 mlr.kw/h of electricity was imported, thence 4,3% from Kyrgyzstan, 95,7% from Russia. Electricity consumption on domestic market of the country was in 2014-77,6 mlr.kw/h, it made 88,6% from the resources total volume. Electricity losses in 2014 where -8,1%.

### 2.4 Balances of resources and electricity distribution

	mln. kWh				
	2010	2011	2012	2013	2014
Resources	85 560	81 302	87 819	89 249	87 543
Stock at the beginning of the year	-	-	-	-	-
Extracted (produced)	82 647	78 702	83 567	87 631	86 936
Received from aside from all the sources including imports	2 914	2 600	4 252	1 618	607
Distribution	85 560	81 302	87 819	89 249	87 543
Used up	64 955	61 888	62 833	64 407	63 614
Including					
conversion into other kinds of energy	1 871	1 887	1 966	995	3 461
production - technological and other needs	63 084	60 001	60 867	63 412	60 153
Losses	6 633	6 368	7 142	11 174	7 061
Released to other enterprises, population and for export	13 971	13 047	17 844	13 669	16 868
Stock at the end of the year	-	-	-	-	-

## Electricity consumption in 2014

in percent to total



## Consumption, export and import by regions

mln. kWh

	Electricity		
	consumption in the domestic market	export	import
Akmolinskaya	3 436,3	-	25,5
Aktubinskaya	4 287,9	-	38,9
Almatinskaya	4 977,4	-	-
Atyrauskaya	3 992,2	-	66,6
Zapadno - Kazakhstanskaya	1 678,9	2,4	62,2
Zhambylskaya	3 906,7	132,4	85,3
Karagandinskaya	13 421,1	-	-
Kostanaiskaya	5 261,1	-	21,6
Kyzylordinskaya	2 240,6	-	-
Mangistauskaya	4 541,4	-	-
Yuzhno - Kazakhstanskaya	3 746,1	-	-
Pavlodarskaya	17 223,0	2 737,5	258,1
Severo - Kazakhstanskaya	2 324,5	13,7	-
Vostochno - Kazakhstanskaya	5 079,5	-	-
Astana city	3 512,3	-	-
Almaty city	5 154,4	31,2	48,5

## Heat energy market

Heat energy supplies on republic domestic market. In 2010 the consumption was 78,9 mln Gcal, in 2014-89,8 mln Gcal. There are losses in 2014-6,6 mln Gcal, 9,1 mlnGcal, that is in the percentage from the heat power resources total volume is – 7,8%, 9,2% respectively.

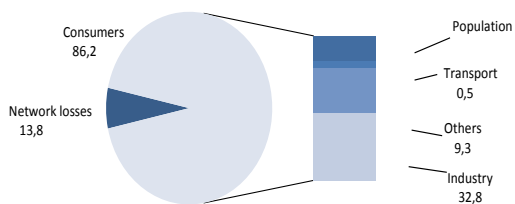
## 2.5 Balances of resources and heat energy distribution

thousands of Gkal

	2010	2011	2012	2013	2014
Resources	96 104	96 825	99 852	94 743	98 890
Stock at the beginning of the year	-	-	-	-	-
Extracted (produced)	96 104	96 825	99 852	94 743	98 890
Received from aside from all the sources including imports	-	-	-	-	-
Distribution	96 104	96 825	99 852	94 743	98 890
Used up	55 782	54 110	57 120	56 307	56 789
Including					
conversion into other kinds of energy	1 301	482	519	222	247
production - technological and other needs	54 481	53 628	56 602	56 086	56 542
Losses	10 580	10 728	10 806	8 852	9 053
Released to other enterprises, population and for export	29 742	31 988	31 926	29 584	33 048
Stock at the end of the year	-	-	-	-	-

### Heat energy consumption in 2014

in percent to total



### Consumption by regions

thousands of Gkal

	Thermal energy
	consumption in the domestic market
Akmolinskaya	3 643
Aktubinskaya	6 147,7
Almatinskaya	2 372,4
Atyrauskaya	2 276,7
Zapadno - Kazakhstanskaya	3 484,3
Zhambylskaya	1 947,2
Karagandinskaya	12 634,2
Kostanaiskaya	5 892,7
Kyzylordinskaya	1 153,2
Mangistauskaya	3 720,4

	Thermal energy
	consumption in the domestic market
Yuzhno - Kazakhstanskaya	2 689,1
Pavlodarskaya	15 692,7
Severo - Kazakhstanskaya	4 710,5
Vostochno - Kazakhstanskaya	7 957,7
Astana city	5 504,2
Almaty city	10 205

## Oil products market

The demand for mineral oil products partly was made by its import. In 2014 the production of petrol on 10,4%, propane and butane has increased, reduced on 8,5%, residual oil on 3,8 %, gas oils production has reduced on 2%.

### 2.6 Balances of resources and motor gasoline distribution

	thousands of tons				
	2010	2011	2012	2013	2014
Resources	4 378	4 201	5 136	5 055	5 686
Stock at the beginning of the year	724	783	549	841	756
Extracted (produced)	2 926	2 775	2 877	2 738	3 023
Received from aside from all the sources including imports	728	643	1 710	1 476	1 907
Distribution	4 378	4 201	5 136	5 055	5 686
Used up	1 650	1 502	1 367	1 203	1 238,8
Including					
conversion into other kinds of energy	3,1	0,3	2,8	0,1	0,5
as a raw material for other types of fuel	-	2,2	0,9	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	0,7	-	-	-	-
as a raw material for non - fuel needs	1,6	1,0	0,7	2,7	4,6
directly as fuel or energy	1 645	1 498	1 362	1 200	1 234
Losses	6,4	15,8	12,1	24,3	11,1
Released to other enterprises, population and for export	1 905	2 119	2 911	2 993	3 360
Stock at the end of the year	817	564	847	835	1 075

### Consumption, export and import

	thousands of tons		
	Motor gasoline		
	consumption in the domestic market	export	import
Akmolinskaya	259,8	-	-
Aktubinskaya	202,5	-	62,8
Almatinskaya	542,7	17,6	17,1

	Motor gasoline		
	consumption in the domestic market	export	import
Atyrauskaya	319,5	-	9,7
Zapadno - Kazakhstanskaya	133,6	-	15,9
Zhambylskaya	264,8	-	-
Karagandinskaya	264,7	-	1,4
Kostanaiskaya	208,3	-	0,6
Kyzylordinskaya	263,3	-	0,1
Mangistauskaya	127,3	-	-
Yuzhno - Kazakhstanskaya	340,8	-	-
Pavlodarskaya	243,0	-	-
Severo - Kazakhstanskaya	118,8	-	307,2
Vostochno - Kazakhstanskaya	326,6	-	4,7
Astana city	428,7	-	23,1
Almaty city	918,3	-	199

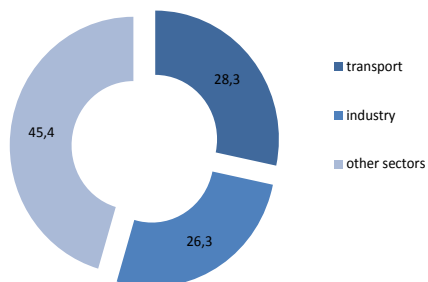
## 2.7 Balances of resources and gasoil distribution

thousands of tons

	2010	2011	2012	2013	2014
Resources	5 514	6 465	7 823	8 074	8 599
Stock at the beginning of the year	662	826	720	758	746
Extracted (produced)	4 436	4 665	4 714	5 140	5 039
Received from aside from all the sources including imports	416	974	2 389	2 176	2 814
Distribution	5 514	6 465	7 823	8 074	8 599
Used up	2 372	3 981	4 205	4 298	4 320
Including					
conversion into other kinds of energy	44,5	38,1	73,1	55,2	64,8
as a raw material for other types of fuel	-	17,1	31,4	2,8	29,1
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	1,4	0,7	0,5	0,5	0,6
as a raw material for non - fuel needs	6,5	9,5	3,8	59,1	31,6
directly as fuel or energy	2 320	3 915	4 096	4 181	4 194
Losses	3,4	5,8	20,8	60,9	11
Released to other enterprises, population and for export	2 305	1 776	2 831	2 930	3 260
Stock at the end of the year	834	702	765	785	1 008

## Gasoil consumption in 2014

in percent to total



## Consumption, export and import

thousands of tons

	Gasoil		
	consumption in the domestic market	export	import
Akmolinskaya	341,5	-	-
Aktubinskaya	346,7	-	78,4
Almatinskaya	933,6	12,5	8,6
Atyrauskaya	502,4	314,3	6,6
Zapadno - Kazakhstanskaya	143,5	444,9	10,2
Zhambylskaya	207	19,3	-
Karagandinskaya	437,2	-	5,3
Kostanaiskaya	475,5	-	9,1
Kyzylordinskaya	437,3	-	0,4
Mangistauskaya	296,8	-	-
Yuzhno - Kazakhstanskaya	261	-	-
Pavlodarskaya	1 024,3	-	0,3
Severo - Kazakhstanskaya	258,8	0,2	125,7
Vostochno - Kazakhstanskaya	316	-	0,5
Astana city	374,3	-	46,6
Almaty city	458,3	1075,2	202,7

## 2.8 Balances of resources and heating oil distribution

thousands of tons

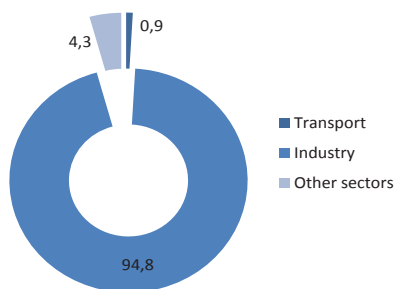
	2010	2010	2011	2012	2014
Resources	4 270	4 645	4 446	7 131	5 498
Stock at the beginning of the year	463	366	387	284	436
Extracted (produced)	3 806	4 277	3 936	3 734	3 877
Received from aside from all the sources including imports	0,9	2,3	123	3 113	1 186
Distribution	4 270	4 645	4 446	7 131	5 498

Continuation

	2010	2011	2012	2013	2014
Used up	1 288	1 352	1 551	1 288	1 176
Including					
conversion into other kinds of energy	412	336	405	369	554
as a raw material for other types of fuel	-	141	75	61	11,1
as a raw material for the production of chemical, petrochemical industries and other non-fuel products	0,9	0,1	0,1	0,9	1,9
as a raw material for non-fuel needs	3,8	3,6	3,1	1,1	6,1
directly as fuel or energy	871	871	1 067	857	603
Losses	0,1	0,1	0,1	0,2	0,6
Released to other enterprises, population and for export	2 608	2 906	2 612	5 394	3 952
Stock at the end of the year	374	387	284	449	370

### Heating oil consumption in 2014

in percent to total



### Consumption, export and import

thousands of tons

	Heating oil		
	consumption in the domestic market	export	import
Akmolinskaya	34,1	-	-
Aktubinskaya	11,2	45,3	-
Almatinskaya	57,9	28,7	-
Atyrauskaya	3,1	552,4	-
Zapadno - Kazakhstanskaya	0,6	-	-
Zhambylskaya	122,2	7,9	-
Karagandinskaya	359,8	-	-
Kostanaiskaya	28,9	-	2,1
Kyzylordinskaya	55,7	21,8	-
Mangistauskaya	58,0	257,4	-
Yuzhno - Kazakhstanskaya	69,9	1 421,1	-

Continuation

	Heating oil		
	consumption in the domestic market	export	import
Pavlodarskaya	321,4	27,3	0,1
Severo - Kazakhstanskaya	8,3	5,7	0,2
Vostochno - Kazakhstanskaya	36,3	-	0,5
Astana city	25,4	58,2	-
Almaty city	60,4	1 522,5	-

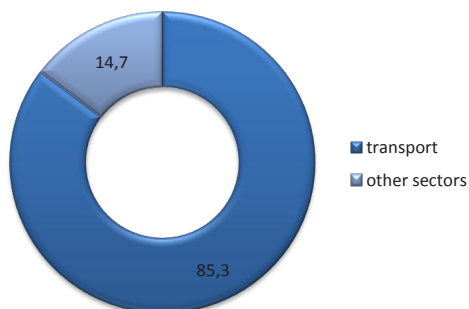
## 2.9 Balances of resources and distribution of kerosene including jet fuel of kerosene type

thousands of tons

	2010	2011	2012	2013	2014
Resources	541 619	427 519	535 611	604 810	626 010
Stock at the beginning of the year	45 706	39 664	37 613	67 280	71 447
Extracted (produced)	490 828	387 146	366 906	367 579	113 828
Received from aside from all the sources including imports	5 085	709	131 092	169 951	440 735
Distribution	541 619	427 519	535 611	604 810	626 010
Used up	336 643	281 206	458 798	511 787	504 641
Including					
conversion into other kinds of energy	102	-	-	1	3
as a raw material for other types of fuel	-	886	-	65	9
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	-	644	211	25	40
as a raw material for non - fuel needs	4 229	331	105	865	309
directly as fuel or energy	332 312	279 345	458 482	510 831	504 280
Losses	454	41	84	231	612
Released to other enterprises, population and for export	164 849	108 513	6 970	20 982	43 146
Stock at the end of the year	39 673	37 759	69 759	71 810	77 611

## Kerosene consumption including jet fuel of kerosene type in 2014

in percent to total



## Consumption, export and import

thousands of tons

	Kerosene including jet fuel of kerosene type		
	consumption in the domestic market	export	import
Akmolinskaya	6,4	-	-
Aktubinskaya	46,6	-	46,9
Almatinskaya	2,7	-	-
Atyrauskaya	3,8	-	-
Zapadno - Kazakhstanskaya	2,0	-	2,0
Zhambylskaya	5,7	-	-
Karagandinskaya	16,2	-	-
Kostanaiskaya	2,5	-	-
Kyzylordinskaya	0,6	-	-
Mangistauskaya	7,9	-	-
Yuzhno - Kazakhstanskaya	17,0	-	-
Pavlodarskaya	1,2	-	-
Severo - Kazakhstanskaya	-	-	-
Vostochno - Kazakhstanskaya	0,2	-	-
Astana city	56,7	3,8	10,9
Almaty city	432,8	7,9	11,4

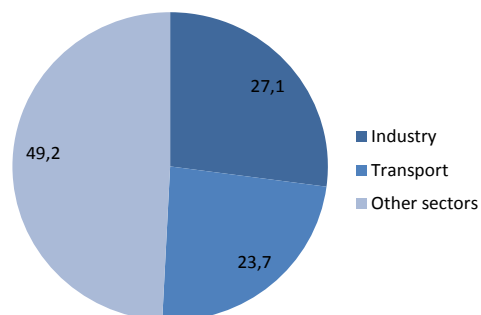
## 2.10 Balances of resources and distribution of domestic heating fuel

thousands of tons

	2010	2011	2012	2013	2014
Resources	229	167	264	195	389
Stock at the beginning of the year	23	31	38	25	23
Extracted (produced)	177	109	176	158	243
Received from aside from all the sources including imports	29	26	50	12	124
Distribution	229	167	264	195	389
Used up	70	73	91	79	105
Including					
conversion into other kinds of energy	3	1	17	3	11
as a raw material for other types of fuel	-	-	-	-	2
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	-	1	-	1	-
as a raw material for non - fuel needs	-	-	-	-	1
directly as fuel or energy	67	71	74	75	91
Losses	0	1	-	-	-
Released to other enterprises, population and for export	126	57	145	88	154
Stock at the end of the year	32	36	28	29	131

## Domestic heating fuel consumption in 2014

in percent to total



## Consumption, export and import

thousands of tons

	Domestic heating fuel		
	consumption in the domestic market	export	import
Akmolinskaya	24,8	-	3,0
Aktubinskaya	8,8	-	-
Almatinskaya	7,4	-	-
Atyrauskaya	6,9	67,8	-
Zapadno - Kazakhstanskaya	0,6	-	-
Zhambylskaya	3,1	1,9	-
Karagandinskaya	11,8	-	-
Kostanaiskaya	15,2	-	1,2
Kyzylordinskaya	0,3	-	-
Mangistauskaya	7,6	-	-
Yuzhno - Kazakhstanskaya	0,3	-	1,9
Pavlodarskaya	0,8	-	0,3
Severo - Kazakhstanskaya	16,7	-	0,3
Vostochno - Kazakhstanskaya	4,3	-	0,5
Astana city	14,9	-	15,3
Almaty city	4,8	29,2	101,2

## 2.11 Balances of resources and distribution of liquefied propane and butane

thousands of tons

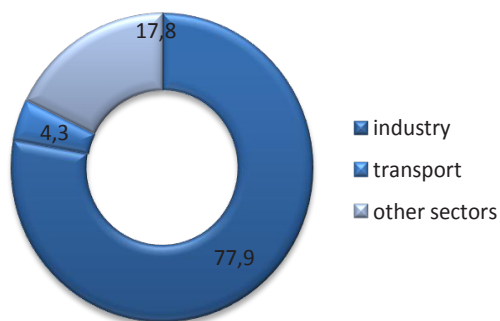
	2010	2011	2012	2013	2014
Resources	2 244	2 176	2 189	2 833	2 791
Stock at the beginning of the year	112	145	77	109	119
Extracted (produced)	2 129	2 028	2 057	2 202	2 388
Received from aside from all the sources including imports	3,8	3,1	55	521	283

Continuation

	2010	2011	2012	2013	2014
Distribution	2 244	2 172	2 189	2 833	2 791
Used up	143	154	162	187	194
Including					
conversion into other kinds of energy	2,3	4,5	1,5	2,9	3,5
as a raw material for other types of fuel	-	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	-	-	5,0	0,2	0,1
as a raw material for non - fuel needs	1,9	7,2	1,1	5,8	2,7
directly as fuel or energy	139	147	155	179	187
Losses	6,4	5,8	12,5	35,6	17
Released to other enterprises, population and for export	1 950	1 935	1 904	2 486	2 444
Stock at the end of the year	144	77	109	124	136

### Consumption of liquefied propane and butane in 2014

in percent to total



### Consumption, export and import

thousands of tons

	Liquefied propane and butane		
	consumption in the domestic market	export	import
Akmolinskaya	18,1	-	-
Aktubinskaya	17,5	164,3	-
Almatinskaya	51,3	70,9	-
Atyrauskaya	21,4	1 179,0	-
Zapadno - Kazakhstanskaya	10,3	252,4	-
Zhambylskaya	9,3	0,9	-
Karagandinskaya	36,2	-	-
Kostanaiskaya	12,0	-	-
Kyzylordinskaya	25,9	33,3	-

Continuation

	Liquefied propane and butane		
	consumption in the domestic market	export	import
Mangistauskaya	34,8	-	-
Yuzhno - Kazakhstanskaya	32,4	79,4	-
Pavlodarskaya	92,7	56,4	-
Severo - Kazakhstanskaya	36,7	-	0,1
Vostochno - Kazakhstanskaya	13,0	-	-
Astana city	45,3	263,5	0,1
Almaty city	40,2	94,2	0,4

## 2.12 Balances of resources and distribution of oil and shale bitumen

thousands of tons

	2010	2011	2012	2013	2014
Resources	548,1	617,8	822,0	818,4	689,8
Stock at the beginning of the year	54,6	85,9	59,7	45,1	42,3
Extracted (produced)	174,0	257,2	286,6	331,5	602,2
Received from aside from all the sources including imports	319,5	274,6	475,6	441,8	45,3
Distribution	548,1	617,8	822,0	818,4	689,8
Used up	368,9	392,9	478,7	403,3	403,7
Including					
conversion into other kinds of energy	-	-	-	-	-
as a raw material for other types of fuel	-	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	67,0	67,0	114,1	91,4	78,0
as a raw material for non - fuel needs	212,8	226,5	275,4	198,9	242,2
directly as fuel or energy	89,1	99,3	89,2	113,0	83,6
Losses	0,7	0,1	-	-	-
Released to other enterprises, population and for export	92,5	165,1	298,3	377,8	215,2
Stock at the end of the year	86,0	59,6	45,0	37,3	70,8

## Consumption, export and import

thousands of tons

	Oil and shale bitumen		
	consumption in the domestic market	export	import
Akmolinskaya	14,5	-	-
Aktubinskaya	16,4	-	41,0
Almatinskaya	30,5	-	0,1
Atyrauskaya	0,0	-	-
Zapadno - Kazakhstanskaya	8,8	-	-
Zhambylskaya	14,7	-	-

Continuation

	Oil and shale bitumen		
	consumption in the domestic market	export	import
Karagandinskaya	41,8	-	0,1
Kostanaiskaya	29,3	-	0,1
Kyzylordinskaya	46,8	-	-
Mangistauskaya	55,5	-	-
Yuzhno - Kazakhstanskaya	73,5	11,1	-
Pavlodarskaya	35,2	0,6	-
Severo - Kazakhstanskaya	11,8	-	0,9
Vostochno - Kazakhstanskaya	60,8	-	2,1
Astana city	12,2	-	1,0
Almaty city	48,3	-	0,1

## 2.13 Balances of resources and distribution of coke and semi-coke of coal

tons

	2010	2011	2012	2013	2014
Resources	3 524 641	3 834 039	3 672 651	3 652 876	4 183 426
Stock at the beginning of the year	109 287	166 529	133 382	184 216	187 320
Extracted (produced)	2 526 926	2 663 394	2 569 349	2 379 064	2 697 751
Received from aside from all the sources including imports	888 428	1 004 116	969 920	1 089 596	1 298 355
Distribution	3 524 641	3 834 039	3 672 651	3 652 876	4 183 426
Used up	3 253 925	3 673 921	3 458 081	3 439 077	3 922 230
Including					
conversion into other kinds of energy	81	-	529	671	137
as a raw material for other types of fuel	-	-	-	-	-
as a raw material for the production of chemical, petrochemical industries and other non - fuel products	463 424	455 121	493 658	479 052	514 642
as a raw material for non - fuel needs	384 401	506 296	470 641	570 027	622 548
directly as fuel or energy	2 406 019	2 712 504	2 493 253	2 389 327	2 784 903
Losses	5 130	6 300	4 935	3 579	3 667
Released to other enterprises, population and for export	95 801	20 436	25 238	22 865	14 937
Stock at the end of the year	169 785	133 382	184 397	187 355	242 592

## Consumption, export and import

thousands of tons

	Coke and semi - coke of coal		
	consumption in the domestic market	export	import
Akmolinskaya	-	-	-
Aktubinskaya	252,6	-	215,1
Almatinskaya	1,2	-	0,4
Atyrauskaya	-	-	-

	Coke and semi - coke of coal		
	consumption in the domestic market	export	import
Zapadno - Kazakhstanskaya	-	-	-
Zhambylskaya	217,8	-	116,4
Karagandinskaya	2 470,2	14,9	33,6
Kostanaiskaya	0,3	-	-
Kyzylordinskaya	-	-	-
Mangistauskaya	-	-	-
Yuzhno - Kazakhstanskaya	-	-	-
Pavlodarskaya	650,3	-	573,7
Severo- Kazakhstanskaya	-	-	1,1
Vostochno - Kazakhstanskaya	334,0	-	275,9
Astana city	-	-	-
Almaty city	1,3	-	1,2

## 2.14 Consumption of fuel and energy resources by types of economic activity in 2014

Items of balance	Stone coal of coke	Stone coal of energy	Stone coal of energy with high ash	Briguettes, pellets of coal
Agriculture, forestry and fishing	1 884	158 916	171 940	32
Fishery and aquaculture	-	78	-	-
The mining industry and working out of open - cast mines	75 837	1 626 934	37 744	-
Manufacturing industry	13 050 730	5 552 658	591 718	1 844
Electrical supply, giving of gas, steam and air - conditioning	12 804	38 398 380	9 095 403	-
Construction	19 409	53 845	29 275	-
Wholesale and retail trade; car and motorcycles repairs	568	33 067	56 197	-
Land transport and pipeline transportation	70	443	618	-
Water transport	1 198	22 262	8 841	-
Air transport	-	-	-	-
Warehousing and auxiliary transport activity	-	-	88	-
Information and communication	4 290	34 864	13 292	-
Financial and insurance activities	1 263	3 106	794	-
Real estate operations	-	730	158	-
Governance and defence; obligatory social security	94	30 144	27 339	-
Education	12 251	186 191	188 920	-
Public health services and social services	30 738	275 908	321 283	-
Other services provision	378	3 792	1 192	-

Continuation

Items of balance	Lignite (brown coal)	Crude oil	Gas condensate	Natural gas
Agriculture, forestry and fishing	7 494	-	-	15 998
Fishery and aquaculture	-	-	-	151
The mining industry and working out of open - cast mines	37 316	412 959	97 489	553 388
Manufacturing industry	46 320	15 859 180	38 444	945 018
Electrical supply, giving of gas, steam and air - conditioning	42 692	-	9 131	5 490 260
Construction	1 967	-	-	39 663
Wholesale and retail trade; car and motorcycles repairs	12 803	2 595	685	17 930
Land transport and pipeline transportation	-	-	-	172 787
Water transport	81	3 647	-	325 868
Air transport	700	-	-	183
Warehousing and auxiliary transport activity	-	-	-	7
Information and communication	825	135 988	274	35 992
Financial and insurance activities	28	-	-	8 730
Real estate operations	-	-	-	15 137
Governance and defence; obligatory social security	146	-	-	53 313
Education	2 962	-	-	512 662
Public health services and social services	48 596	-	-	337 632
Other services provision	249	-	-	7 984,5

Continuation

Items of balance	Associated petroleum gas	Coke and semi coke of coal	Sawdust and wood waste	Coal of wood
Agriculture, forestry and fishing	4 109	-	7 342	62
Fishery and aquaculture	-	-	-	5
The mining industry and working out of open - cast mines	17 351 849	35 521	-	375
Manufacturing industry	429 860	3 870 774	2 628	18 111
Electrical supply, giving of gas, steam and air - conditioning	1 259 252	5	40	15 000
Construction	7 727	15 558	65	1 079
Wholesale and retail trade; car and motorcycles repairs	3 279	-	393	280
Land transport and pipeline transportation	384	-	-	40
Water transport	7 536	3	8	125
Air transport	-	-	-	-
Warehousing and auxiliary transport activity	125	-	-	-
Information and communication	2 170	-	12 423	-
Financial and insurance activities	293	-	24	-

Continuation

Items of balance	Associated petroleum gas	Coke and semi coke of coal	Sawdust and wood waste	Coal of wood
Real estate operations	572	-	37	21
Governance and defence; obligatory social security	9 137	-	615	1 419
Education	3 049	-	5 908	1 193
Public health services and social services	10 907	-	2 692	22 554
Other services provision	1 318,0	-	55	-

Continuation

Items of balance	Aviation gasoline	Motor gasoline	Jet fuel of gasoline type	Kerosene
Agriculture, forestry and fishing	118	53 206	3	4 618
Fishery and aquaculture	-	1 334	-	-
The mining industry and working out of open - cast mines	-	110 596	384	525
Manufacturing industry	351	103 432	5	5 060
Electrical supply, giving of gas, steam and air - conditioning	-	28 143	-	720
Construction	17	195 456	200	174
Wholesale and retail trade; car and motorcycles repairs	11	124 322	25	49 597
Land transport and pipeline transportation	-	2 410	-	8
Water transport	-	57 053	-	26
Air transport	-	824	-	-
Warehousing and auxiliary transport activity	13 034	1 314	42 457	298 986
Information and communication	17	43 021	-	131 204
Financial and insurance activities	-	20 754	-	-
Real estate operations	-	37 614	-	-
Governance and defence; obligatory social security	-	9 766	-	2
Education	-	133 380	2	13 426
Public health services and social services	11	65 655	6	-
Other services provision	-	4 933	-	-

Continuation

Items of balance	Jet fuel of kerosene type	Gasoil	Heating oil	Domestic heating fuel
Agriculture, forestry and fishing	-	542 998	283	863
Fishery and aquaculture	-	276	-	-
The mining industry and working out of open - cast mines	-	729 253	5 819	1 519
Manufacturing industry	-	350 628	750 521	26 115
Electrical supply, giving of gas, steam and air - conditioning	-	42 345	358 320	779
Construction	-	772 710	11 177	18 412

Continuation

Items of balance	Jet fuel of kerosene type	Gasoil	Heating oil	Domestic heating fuel
Wholesale and retail trade; car and motorcycles repairs	-	220 622	7 341	11 992
Land transport and pipeline transportation	-	2 994	-	-
Water transport	-	728 746	-	674
Air transport	-	3 042	-	-
Warehousing and auxiliary transport activity		1 376		-
Information and communication	18 347	527 445	10 378	24 258
Financial and insurance activities	-	12 871	-	28
Real estate operations	-	5 553	3 327	1
Governance and defence; obligatory social security	-	82 109	12 169	6 666
Education	-	35 410	435	7 931
Public health services and social services	-	60 902	2 862	2 018
Other services provision	-	3 766	-	2

Continuation

Items of balance	Liquefied propane and butane	Purified gases including ethylene. propylene. butylenes. butadiene and other petroleum, gases	Lean gas	Greased oil
Agriculture, forestry and fishing	6 906	3	-	1 717
Fishery and aquaculture	-	-	-	-
The mining industry and working out of open - cast mines	4 766	-	1 430 712	9 100
Manufacturing industry	129 783	196 599	5 855	8 954
Electrical supply, giving of gas, steam and air - conditioning	16 536	21	-	356
Construction	4 028	1	-	6 068
Wholesale and retail trade; car and motorcycles repairs	14 916	401	153	28 961
Land transport and pipeline transportation	46	-	-	-
Water transport	3 870	10	-	2 385
Air transport	-	-	-	1 373
Warehousing and auxiliary transport activity	-	-	-	27
Information and communication	4 454	-		2 515
Financial and insurance activities	132	-	-	40
Real estate operations	15	-	-	10
Governance and defence; obligatory social security	391	-	-	5
Education	317	-	-	336
Public health services and social services	475	26	-	5
Other services provision	18	-	-	1

Continuation

Items of balance	Oil and shale bitumen coke	Oil and shale bitumen	Furnance gas	Coke gas
Agriculture, forestry and fishing	-	292	-	-
Fishery and aquaculture	-	-	-	-
The mining industry and working out of open - cast mines	-	13 663	-	-
Manufacturing industry	22 043	111 732	5 017 088	908 620
Electrical supply, giving of gas, steam and air - conditioning	-	33	-	-
Construction	-	272 904	-	-
Wholesale and retail trade; car and motorcycles repairs	-	250	-	-
Land transport and pipeline transportation	-	-	-	-
Water transport	-	-	-	-
Air transport	-	-	-	-
Warehousing and auxiliary transport activity	-	-	-	-
Information and communication	-	7	-	-
Financial and insurance activities	-	-	-	-
Real estate operations	-	-	-	-
Governance and defence; obligatory social security	-	-	-	-
Education	-	-	-	-
Public health services and social services	-	-	-	-
Other services provision	-	-	-	-

Continuation

Items of balance	Gas produced by distillation at refineries	Shale-distilling	Tar	Oil easy distiller
Agriculture, forestry and fishing	-	-	-	-
Fishery and aquaculture	-	-	-	-
The mining industry and working out of open - cast mines	-	-	-	-
Manufacturing industry	139 846	-	5	16 044
Electrical supply, giving of gas, steam and air - conditioning	-	-	-	-
Construction	-	-	-	-
Wholesale and retail trade; car and motorcycles repairs	174	-	-	-
Land transport and pipeline transportation	-	-	-	-
Water transport	-	-	-	-
Air transport	-	-	-	-
Warehousing and auxiliary transport activity	-	-	-	-
Information and communication	-	-	-	-
Financial and insurance activities	-	-	-	-

Continuation

Items of balance	Gas produced by distillation at refineries	Shale-distilling	Tar	Oil easy distiller
Real estate operations	-	-	-	-
Governance and defence; obligatory social security	-	-	-	-
Education	-	-	-	-
Public health services and social services	-	-	-	-
Other services provision	-	-	-	-

Continuation

Items of balance	Oil distillation products	Bio fuel	Electric power	Heat energy
Agriculture, forestry and fishing	-	-	755 939	1 039 088
Fishery and aquaculture	-	-	9 316	1 460
The mining industry and working out of open - cast mines	-	-	13 542 913	5 313 035
Manufacturing industry	8 223	558	27 899 813	19 647 292
Electrical supply, giving of gas, steam and air - conditioning	-	-	9 923 269	18 766 344
Construction	-	10	506 797	410 889
Wholesale and retail trade; car and motorcycles repairs	3 900	851	672 175	336 302
Land transport and pipeline transportation	-	-	88 726	82 183
Water transport	-	-	927 888	337 586
Air transport	-	-	2 447	2 100
Warehousing and auxiliary transport activity	-	-	4 161	1 386
Information and communication	-	-	1 563 288	339 594
Financial and insurance activities	-	-	276 499	225 458
Real estate operations	-	-	159 148	83 433
Governance and defence; obligatory social security	45	-	1 240 909	920 644
Education	-	-	714 555	1 603 405
Public health services and social services	-	479	2 230 554	5 001 027
Other services provision	-	-	755 939	1 039 088

Continuation

Items of balance	Hydropower produced by hydroelectric power plants	Wind electric power produced by wind power plants	Solar electric power produced by solar power plants
Agriculture, forestry and fishing	709	3 990	14
Fishery and aquaculture	-	-	-
The mining industry and working out of open - cast mines	-	-	17
Manufacturing industry	2 722 743	-	-
Electrical supply, giving of gas, steam and air - conditioning	83 132	2 684	-
Construction	388	1	-

Items of balance	Hydropower produced by hydroelectric power plants	Wind electric power produced by wind power plants	Solar electric power produced by solar power plants
Wholesale and retail trade; car and motorcycles repairs	-	-	-
Land transport and pipeline transportation	-	-	-
Water transport	-	-	-
Air transport	-	-	-
Warehousing and auxiliary transport activity	-	-	-
Information and communication	-	-	-
Financial and insurance activities	-	3	16
Real estate operations	-	-	-
Governance and defence; obligatory social security	-	-	-
Education	-	-	-
Public health services and social services	-	2	2
Other services provision	-	-	-

### 3. Energy intensity of GDP in Kazakhstan

#### Main energy indicators

	2010	2011	2012	2013	2014
Energy intensity, toe per thousand usd in prices 2000 y.	1,84	1,73	1,53	1,44	1,74
Total Final Energy consumption, thousand toe	38 858,8	45 258,0	36 656,0	32 733,0	32 827,0
Total Primary Energy consumption, thousand toe	73 192,0	71 190,0	70 080,0	69 651,0	88 155,0

#### Total final consumption

thousand toe

	2009	2010	2011	2012	2013	2014
Agriculture, forestry and fishing	1 026,7	727,8	989,0	908,5	844,0	947,0
Industry	15 769,2	8 811,2	13 636,3	13 268,2	10 968,0	9 414,0
Transport	1 356,8	1 521,4	1 401,1	1 843,7	1 683,0	2 393,0
Servises	2 292,2	2 428,4	2 262,8	2 232,2	3 377,0	4 495,0

#### Total primary consumption

mln. toe

	2009	2010	2011	2012	2013	2014
Crude oil	11,8	20,3	17,1	15,5	19,9	16,7
Coal	30,0	32,3	34,4	35,4	35,4	51,1
Natural gas	4,1	6,5	8,2	3,9	1,5	6,2

### 4. Energy intensity of GDP in Kazakhstan

#### Energy intensity of GRP in Kazakhstan

toe per thousand usd in prices 2000 y.

	2010	2011	2012	2013	2014
Akmolinskaya	0,40	0,84	0,51	0,65	0,73
Aktubinskaya	1,93	2,29	2,35	2,43	2,54
Almatinskaya	0,01	0,08	0,02	0,01	0,01
Atyrauskaya	2,18	2,72	1,91	1,63	1,46
Zapadno - Kazakhstanskaya	0,87	0,81	0,69	0,68	0,53
Zhambylskaya	0,44	0,56	0,22	0,02	0,21
Karagandinskaya	4,46	3,29	3,89	3,11	2,86
Kostanaiskaya	3,74	4,04	3,48	3,26	4,38
Kyzylordinskaya	0,01	0,04	0,02	0,01	0,02
Mangystauskaya	3,58	3,60	4,87	4,73	6,94
Yuzhno - Kazakhstanskaya	5,14	2,43	2,61	2,75	3,43
Pavlodarskaya	8,02	7,78	6,56	6,46	9,29
Severo - Kazakhstanskaya	0,42	0,29	0,24	0,53	0,39
Vostochno - Kazakhstanskaya	0,13	0,12	0,11	0,47	0,66
Astana city	0,11	0,23	0,14	0,32	0,21
Almaty city	0,09	0,06	0,04	0,06	0,19

## Methodical explanations

Fuel and energy balance (FEB) of the Republic is worked out to assess changes in the structure of fuel and energy production and consumption as well as to define directions of development of fuel and energy complex (FEC) of the country and its regions.

FEB is a complex material balance covering a set of interchangeable fuel and energy resources (FER). This balance unites individual balances of different types of fuel and energy.

The methods of calculating FEB provides for the possibility to form the yearly FEB of the Republic according to the system of indicators describing main directions of the FEB production and consumption based on the requirements of domestic economic practice as well as reassessment of FEB indicators in accordance with the international statistical standards.

FEB is worked out as a complex of balances of individual types of fuel and energy, which present four main groups: solid, liquid, gaseous types of fuel, electric power and thermal energy.

The first group of «solid» fuels includes such fuels as coal, lignite (brown coal), coke and briquettes of coal, charcoal and firewood.

The second group of «liquid» fuels is presented by crude oil including gas condensate, aviation and motor gasoline, jet fuel of gasoline and kerosene types, kerosene, gasoil, domestic heating fuel, fuel for low-speed diesel engines, heating oil, bitumen, oil coke and liquid substances obtained from natural gas, propane, butane, gasoline from industrial gases.

The third group of «gaseous» fuels contains such fuels as natural gas, coke gas, blast furnace gas, refinery gas, biogas, methane, ethane, propane, isobutane, butane, pentane.

The fourth group consists of thermal energy and electric power.

The scheme of the Republican FEB has two sections – «Resources» and «Distribution», each of which, correspondingly, reflects the process of forming resources for individual types of fuel and energy and for their use in the main target directions.

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