



**JSC “Moscow United Electric Grid Company”
(JSC “MOESK”)**

**Operating activity’s results for the first half
year of 2010**

1. General data on the company



JSC “MOESK” is the largest interregional distribution grid company in Russia.

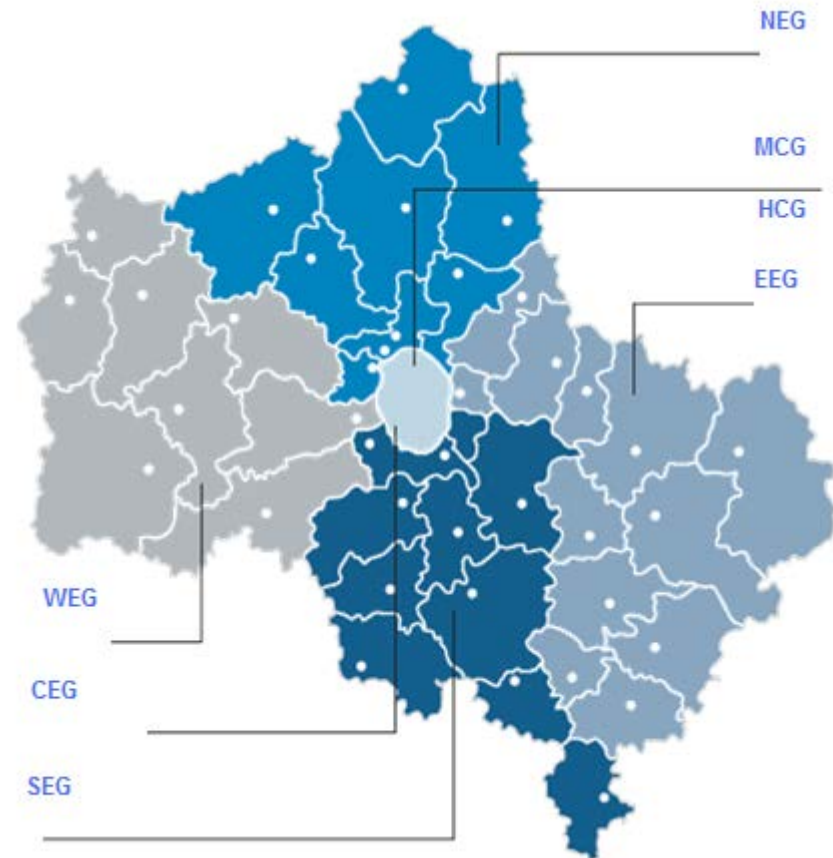
The Company’s principle type of activity is – services rendering for a fee on electric power transmission in the territory of Moscow and Moscow region by way of implementing of a complex of organizational and technologically related actions which provide electric power transmission through the technical devices of own electric grids.

JSC “MOESK” services 98 % of consumers in the territory of Moscow and 95 % of consumers in the territory of Moscow region.

The service area amounts to 57 843 square kilometer.

7 branches constitute JSC “MOESK” :

- 1) Northern electric grids (NEG)
- 2) Southern electric grids (SEG)
- 3) Western electric grids (WEG)
- 4) Eastern electric grids (EEG)
- 5) Central electric grids (CEG)
- 6) High-voltage cable grids (HCG)
- 7) Moscow cable grids (MCG)



1. General data on the company



1.1. Total length of overhead power transmission lines

Indicator	NEG	SEG	WEG	EEG	CEG	HCG	MCG	Totally in JSC "MOESK"
High-voltage grids, km	3 282,1	3 926,7	3 186,2	4 045,1	1 153,8	-	-	15 593,7
- 220 kv	292,0	319,6	290,4	189,6	421,6	-	-	1 513,1
- 110 kv	1 905,2	2 875,1	1 361,7	3 002,9	699,0	-	-	9 843,8
- 35 kv	1 084,9	732,0	1 534,1	852,6	33,2	-	-	4 236,8
Distribution grids, km	10 591,8	12 994,2	13 133,5	12 480,7	-	-	371,5	49 571,7
- 10 kv	2 222,4	5 436,3	6 511,9	4 733,7	-	-	23,7	18 928,0
- 6 kv	3 368,7	2 006,3	929,2	1 983,8	-	-	43,7	8 331,7
- 0,4 kv	5 000,7	5 551,6	5 692,4	5 763,2	-	-	304,1	22 312,0

1. General data on the company



1.2. Total length of cable power transmission lines

Indicator	NEG	SEG	WEG	EEG	CEG	HCG	MCG	Totally in JSC "MOESK"
Cable lines, km	3 513,4	2 864,1	3 039,7	1 604,4	6,3	863,5	54 380,5	66 271,8
- 500 kv	-	-	-	-	-	0,9	-	0,9
- 220 kv	-	-	-	0,6	0,8	230,5	-	231,9
- 110 kv	-	-	-	18,7	5,1	632,1	-	655,9
- 35 kv	211,5	107,0	110,5	90,2	0,4	-	-	519,6
- 20 kv	-	-	-	-	-	-	80,0	80,0
- 10 kv	1 328,6	1 477,5	1 266,2	611,9	-	-	30 552,8	35 237,0
- 6 kv	1 315,3	688,4	1 118,8	597,0	-	-	6 021,1	9 740,5
- 0,4 kv	658,0	591,2	544,2	286,0	-	-	17 726,6	19 806,0

1. General data on the company



1.3. Total number of substations

Indicator	NEG	SEG	WEG	EEG	CEG	HCG	MCG	Totally in JSC "MOESK"
High-voltage substations, pcs.	135	111	102	148	111	-	-	607
- 220 kv	9	3	1	2	30	-	-	45
- 110 kv	67	71	45	90	79	-	-	352
- 35 kv	59	37	56	56	2	-	-	210
Transformer substations, km	3 406	3 110	4 507	2 782	-	-	12 563	26 368

1.4. Installed transformer capacity

Indicator	NEG	SEG	WEG	EEG	CEG	HCG	MCG	Totally in JSC "MOESK"
Substations, MVA	20 849,40	5 922,90	6 332,40	7 260,90	3 446,50	-	-	43 812,10
- 220 kv	10 581,00	1 639,00	1 101,00	2 668,50	532,00	-	-	16 521,50
- 110 kv	10 247,00	3 881,20	4 722,90	4 048,10	2 442,40	-	-	25 341,60
- 35 kv	21,40	402,70	508,50	544,30	472,10	-	-	1 949,00
Distribution grids, MVA	1 303,84	1 200,47	1 338,86	938,26	-	-	14 553,4	19 334,82

2. Electric power transmission



2.1. Electric power supply to the grid

Electric power supply to the grid, mln. kWh	1st half year of 2009 (fact)	1st half year of 2010 (plan)	1st half year of 2010 (fact)
Moscow	20 961,0	21 134,7	21 188,7
Moscow region	19 510,9	19 852,1	20 224,8
Totally in JSC "MOESK"	40 471,9	40 986,8	41 413,5

2.2. Productive supply of electric power specified by voltage classes

Productive supply of electric power, mln. kWh	1st half year of 2009 (fact)	1st half year of 2010 (plan)	1st half year of 2010 (fact)	Deviation of the 1 st half year of 2009 (fact) to the 1 st half year of 2010 (fact)		Deviation of the 1 st half year of (plan) to the 1 st half year of 2010 (fact)	
				mln. kWh	%	mln. kWh	%
Moscow	18 560,6	18 712,2	18 642,5	81,9	100,44%	-69,7	99,63%
- HV	1 241,5	1 293,9	1 363,7	122,2	109,84%	69,8	105,39%
- MV1	69,9	67,1	70,7	0,8	101,14%	3,6	105,37%
- MV2	7 414,8	7 632,7	7 658,5	243,7	103,29%	25,8	100,34%
- LV	9 834,4	9 718,5	9 549,6	-284,8	97,10%	-168,9	98,26%
Moscow region	17 223,6	17 534,2	17 992,6	769,0	104,46%	458,4	102,61%
- HV	11 119,2	11 278,7	11 507,2	388,0	103,49%	228,5	102,03%
- MV1	849,8	920,6	844,0	-5,8	99,32%	-76,6	91,68%
- MV2	3 435,0	3 472,3	3 798,0	363,0	110,57%	325,7	109,38%
- LV	1 819,6	1 862,6	1 843,4	23,8	101,31%	-19,2	98,97%
Totally in JSC "MOESK"	35 776,0	36 246,4	36 635,2	859,20	102,40%	388,8	101,07%
- HV	12 360,7	12 572,6	12 870,9	510,2	104,13%	298,3	102,37%
- MV1	919,7	987,7	914,7	-5,0	99,46%	-73,0	92,61%
- MV2	10 841,7	11 105,0	11 456,5	614,8	105,67%	351,5	103,17%
- LV	11 653,9	11 581,1	11 393,1	-260,8	97,76%	-188,0	98,38%

2. Electric power transmission



2.3. Fulfillment of norms of losses by JSC “MOESK”

Losses	Norm for 2010		1 st half year of 2010 (plan)		1 st half year of 2010 (fact)		2 nd half year of 2010 (plan)		2010 (plan)	
	mln. kWh	%	mln. kWh	%	mln. kWh	%	mln. kWh	%	mln. kWh	%
Moscow	4 741,7	11,35	2 422,5	11,46	2 546,1	12,02	2 257,5	10,94	4 680,0	11,20
Moscow region	4 600,9	11,41	2 317,9	11,68	2 232,2	11,04	2 083,4	10,80	4 401,3	11,25
Totally in JSC “MOESK”	9 342,6	11,38	4 740,4	11,57	4 778,3	11,54	4 340,9	10,87	9 081,3	11,22

2.4. Volume of normative losses from grids of UNPG and JSC “UES FGC” paid by JSC “MOESK”

Losses, mln. kWh	1 st half year of 2009 (fact)		1 st half year of 2010 (plan)		1 st half year of 2010 (fact)	
	UNPG	UES FGC	UNPG	UES FGC	UNPG	UES FGC
Moscow	31,64	44,01	22,40	38,51	38,04	43,45
Moscow region	304,06	157,05	329,91	176,39	443,93	118,09
Totally in JSC “MOESK”	335,70	201,06	352,31	214,90	481,97	161,54

The volume deviation of the actual normative losses paid by JSC “MOESK” for the 1st half year of 2010 from the same actual amount of 2009 and the planned amount of 2010 is preconditioned by a direction change of cross-flows of electric energy from the grids of UNPG and grids JSC “UES FGC” owing to a change of the grid’s load conditions.

2. Electric power transmission



2.5. Principle arrangements on losses reduction

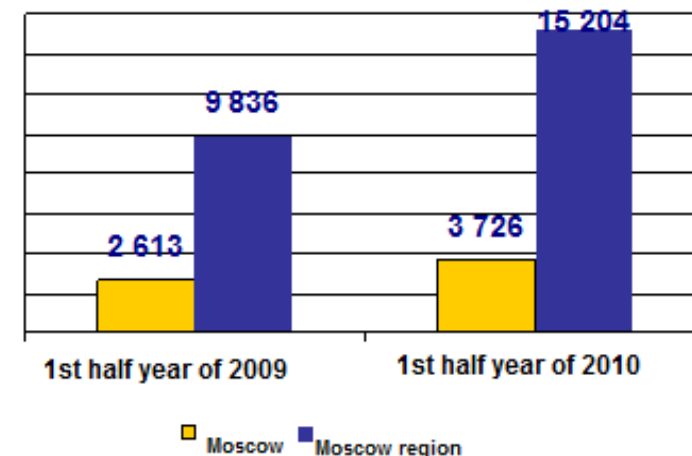
No. s/p	Title of arrangement	Losses reduction, mln. kWh		
		1 st half year of 2009 (fact)	1 st half year of 2010 (plan)	1 st half year of 2010 (fact)
1.	Organization of the joint raids together with JSC "Mosenergosbit" to reveal an unauthorized connection of consumers, non-accounting and non-contractual consumption.	53,8	58,2	83,1
2.	Organization of an authentic readout of measuring devices and check-up of their technical state at residential users, control over the level of their electric power consumption.	17,3	26,0	26,3
3.	Organization of an authentic and timely monthly readout of commercial accounting devices at consumers – legal persons in the established terms, check-up of the technical state of measuring devices .	34,8	44,2	49,4
4.	Organization of an authentic and timely readout of measuring devices and check-up of their technical state at electric power plants, substations adjacent to AO-energo (at intersystem overhead lines) and JSC "UES FGC".	19,5	14,5	15,3
5.	Compilation and supply-and-demand analysis specified by substations, elimination of electric power imbalance.	17,7	18,1	18,3

3. Technological connection



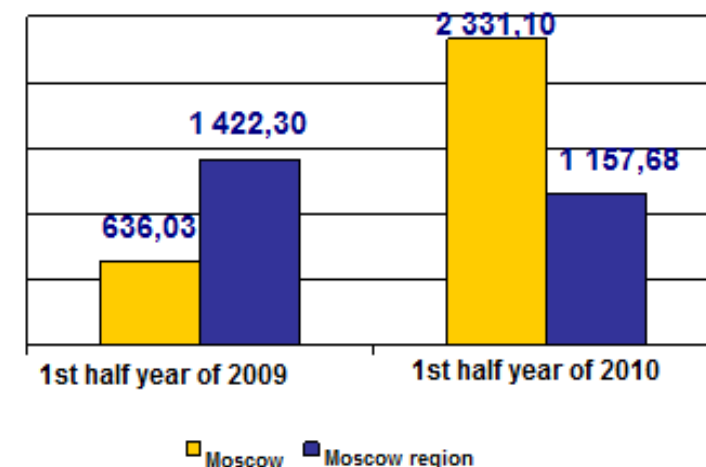
3.1. Number of filed applications for technological connection

Number of filed applications, pcs.	Moscow		Moscow region	
	1 st half year of 2009	1 st half year of 2010	1 st half year of 2009	1 st half year of 2010
Totally, including:	2 613	3 726	9 836	15 204
- up to 15 kW	1 722	2 813	8 564	13 872
including natural persons	35	591	6 977	13 157
- 15-100 kW	443	427	616	564
including categories entitled to benefits	0	0	89	195
- 100-750 kW	331	324	516	591
- Over 750 kW	117	162	140	177



3.2. Total capacity on filed applications for technological connection

Total capacity on filed applications, MW	Moscow		Moscow region	
	1 st half year of 2009	1 st half year of 2010	1 st half year of 2009	1 st half year of 2010
Totally, including:	636,03	2 331,1	1 422,30	1 157,68
- up to 15 kW	11,62	27,75	62,73	148,73
including natural persons	0,26	7,38	49,76	140,96
- 15-100 kW	20,54	21,07	32,76	33,11
including categories entitled to benefits	0	0,50	4,33	13,06
- 100-750 kW	90,83	88,54	150,61	191,97
- Over 750 kW	513,04	2 193,73	1 176,20	783,88

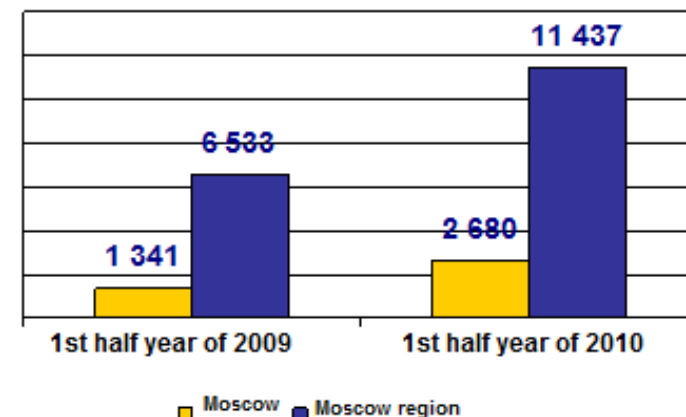


3. Technological connection



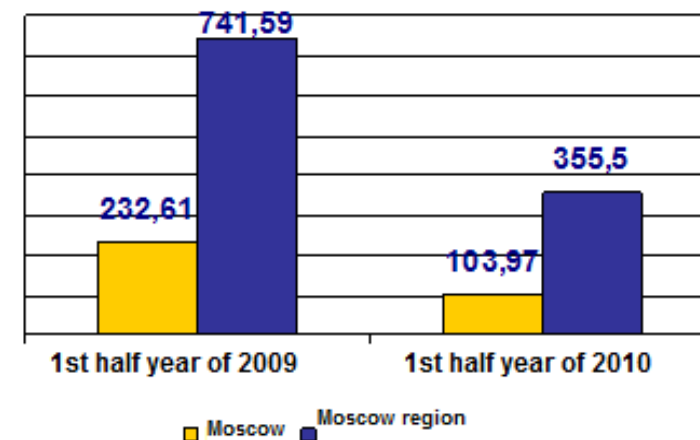
3.3. Number of concluded contracts for technological connection

Number of concluded contracts, pcs.	Moscow		Moscow region	
	1 st half year of 2009	1 st half year of 2010	1 st half year of 2009	1 st half year of 2010
Totally, including:	1 341	2 680	6 533	11 437
- up to 15 kW	899	2 518	5 892	10 619
including natural persons	678	640	5 809	9 803
- 15-100 kW	159	95	361	451
including categories entitled to benefits	2	3	172	336
- 100-750 kW	219	49	237	316
- Over 750 kW	64	18	43	51



3.4. Capacity on concluded contracts for technological connection

Total capacity on concluded contracts, MW	Moscow		Moscow region	
	1 st half year of 2009	1 st half year of 2010	1 st half year of 2009	1 st half year of 2010
Totally, including:	232,61	103,97	741,59	355,50
- up to 15 kW	6,17	20,91	39,57	109,84
including natural persons	4,97	7,02	38,87	100,88
- 15-100 kW	7,69	5,17	18,11	27,82
including categories entitled to benefits	0,06	0,21	9,07	20,44
- 100-750 kW	66,16	13,14	67,00	82,73
- Over 750 kW	152,59	64,75	616,90	135,11

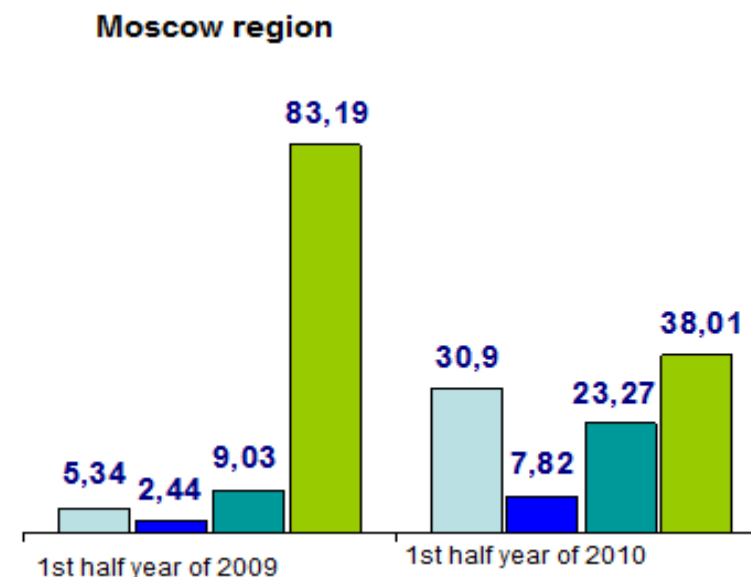
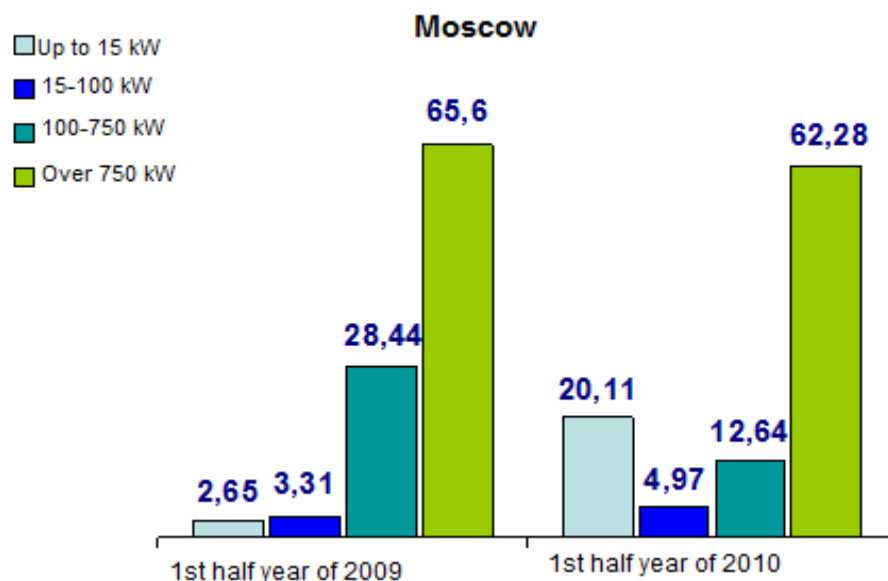


3. Technological connection



3.5. Structure of demand specified by connection categories

Structure of demand specified by connection categories, %	Moscow		Moscow region	
	1 st half year of 2009	1 st half year of 2010	1 st half year of 2009	1 st half year of 2010
Up to 15 kW	2,65	20,11	5,34	30,90
15-100 kW	3,31	4,97	2,44	7,82
100-750 kW	28,44	12,64	9,03	23,27
Over 750 kW	65,60	62,28	83,19	38,01
Totally	100,00	100,00	100,00	100,00



4. Repair activity



4.1. Repair program

Repair program fulfillment specified by groups	1 st half year of 2009 (fact)		1 st half year of 2010 (plan)		1 st half year of 2010 (fact)	
	km. (pcs.)	mln. RUR.	km. (pcs.)	mln. RUR.	km. (pcs.)	mln. RUR.
Repair of overhead lines	1 737,7	246,2	1 889,1	239,3	1 889,1	239,3
Repair of cable lines	144,2	452,7	172,9	509,6	172,9	509,6
Repair of substations	1 092,0	441,3	1 226,0	487,7	1 226,0	487,7

In the first half year of 2010 JSC “MOESK” managed to reduce expenditures for repair in comparison with the same period of the preceding year owing to the following factors:

- renovation of equipment and financing flow increase aimed at renovating and also a pre-repair diagnostics of equipment;
- optimization of expenditures under preparation of the estimated and technical documentation and the cost calculation of repair works;
- economic effect achievement from holding of competitive procedures.

4.2. Structure of expenses for repair

Structure of expenses for repair (incl. VAT), mln. RUR	1 st half year of 2009 (fact)	1 st half year of 2010 (plan)	1 st half year of 2010 (fact)
Non-contracted way	917,3	923,1	923,1
Contracted way	631,7	840,3	840,3

4.3. Financing of repair program (prime cost is the source of financing)

Structure of expenses for repair (incl. VAT), mln. RUR	1 st half year of 2009 (fact)	1 st half year of 2010 (plan)	1 st half year of 2010 (fact)
Moscow	857,3	1 036,7	1 036,7
Moscow region	691,7	726,7	726,7
Totally in JSC “MOESK”	1 549,0	1 763,4	1 763,4

Source of financing of JSC “MOESK” repair program is the prime cost

5. Financial indicators



5.1. Financial results of operating activity

Indicator	1st half year of 2009 (fact)	1st half year of 2010 (plan)	1st half year of 2010 (fact)
Proceeds for services on electric power transmission, mln. RUR.	44 429,29	52 020,65	53 169,72
Moscow	23 258,86	28 285,87	28 409,74
Moscow region	21 170,43	23 734,78	24 759,98
Proceeds for services on technological connection, mln. RUR.	4 200,99	8 806,86	7 840,26
Moscow	3 055,22	3 658,00	4 709,02
Moscow region	1 145,77	5 148,86	3 131,24
Expenses for electric power purchase to compensate for electric power losses in the grids of JSC "MOESK", mln. RUR.	6 220,02	8 202,56	7 797,82
Moscow	3 478,21	3 727,45	4 507,50
Moscow region	2 741,81	4 475,11	3 290,32



Questions and answers

Thank you.