



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

**Operating activity’s results
for 9 months of 2010**

1. Electric power transmission



1.1. Electric power supply to the grid

Electric power supply to the grid, mln. kWh	9 months of 2009 (fact)	9 months of 2010 (plan)	9 months of 2010 (fact)
Moscow	30,037.7	30,358.0	31,133.3
Moscow region	27,421.5	28,123.8	28,803.0
Totally in JSC "MOESK"	57,455.4	58,481.8	59,936.3

1.2. Productive supply of electric power specified by voltage classes

Productive supply of electric power, mln. kWh	9 months of 2009 (fact)	9 months of 2010 (plan)	9 months of 2010 (fact)	Deviation of 9 months of 2009 (fact) to 9 months of 2010 (fact)		Deviation of 9 months of (plan) to 9 months of 2010 (fact)	
				mln. kWh	%	mln. kWh	%
Moscow	26,872.9	27,170.2	27,854.2	981.3	3.65	684.0	2.52
- HV	1,794.3	1,875.8	2,025.0	230.7	12.86	149.2	7.95
- MV1	102.5	97.6	101.7	-0.8	-0.78	4.1	4.20
- MV2	10,772.3	11,081.1	11,412.8	640.5	5.95	331.7	2.99
- LV	14,203.8	14,115.7	14,314.7	110.9	0.78	199.0	1.41
Moscow region	24,529.1	25,143.1	25,934.8	1,405.7	5.73	791.7	3.15
- HV	15,772.0	16,169.9	16,617.8	845.8	5.36	447.9	2.77
- MV1	1,273.8	1,320.5	1,204.7	-69.1	-5.42	-115.8	-8.77
- MV2	4,875.1	4,981.0	5,430.4	555.3	11.39	449.4	9.02
- LV	2,608.2	2,671.7	2,681.9	73.7	2.83	10.2	0.38
Totally in JSC "MOESK"	51,388.2	52,313.3	53,789.0	2,400.8	4.67	1,475.7	2.82
- HV	17,566.3	18,045.7	18,642.8	1,076.5	6.13	597.1	3.31
- MV1	1,376.3	1,418.1	1,306.4	-69.9	-5.08	-111.7	-7.88
- MV2	15,633.6	16,062.1	16,843.2	1,209.6	7.74	781.1	4.86
- LV	16,812.0	16,787.4	16,996.6	184.6	1.10	209.2	1.25

1. Electric power transmission



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

Losses	Norm for 2010		9 months of 2010 (plan)		9 months of 2010 (fact)		2010 (plan)	
	mln. kWh	%	mln. kWh	%	mln. kWh	%	mln. kWh	%
Moscow	4,741.7	11.35	3,187.8	10.50	3,279.1	10.53	4,680.0	11.20
Moscow region	4,600.9	11.41	2,980.7	10.60	2,868.2	9.96	4,401.3	11.25
Totally in JSC “MOESK”	9,342.6	11.38	6,168.5	10.55	6,147.4	10.26	9,081.3	11.22

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

Volume of normative losses, mln. kWh	9 months of 2009 (fact)		9 months of 2010 (plan)		9 months of 2010 (fact)	
	from the grid of voltage class 220 and higher	from the grid of voltage class 220 and lower	from the grid of voltage class 220 and higher	from the grid of voltage class 220 and lower	from the grid of voltage class 220 and higher	from the grid of voltage class 220 and lower
Moscow	78.7	44.6	60.7	35.1	71.9	59.8
Moscow region	211.7	502.6	210.8	596.1	175.9	669.7
Totally in JSC “MOESK”	290.4	547.2	271.5	631.2	247.8	729.5

The deviation of the actual normative losses volume paid by JSC “MOESK” for 9 months of 2010 from the similar actual amount of 2009 and target figure of 2010 is preconditioned by:

- norms change of technological losses of electric power under its transmission according to the United National Energy Network in 2010 in comparison with norms of 2009;
- flux transfer from the grids of the voltage class 330 kv and higher– 220 kv and lower (norms on losses approved in 2009: in the grids 330 kv and higher - 3,55%; from the grid 220 kv and lower – 7,78%; in 2010: 3,08% and 8,82 % accordingly).

1. Electric power transmission



1.5. Principle arrangements on losses reduction

No. s/p	Title of arrangement	Losses reduction, mln. kWh		
		9 months of 2009 (fact)	9 months of 2010 (plan)	9 months of 2010 (fact)
1.	Cut-off of unloaded transformers	1,39	0,67	0,80
2.	Change of wires at overloaded OL at a wire with a big section, electric grids optimization owing to the construction of 6-20 kv CL (cable line) (km)	3,30	2,54	3,70
3.	Organization of raids common with JSC "Mosenergosbit" for unauthorized connection revelation of consumers as to non-accounting and non-contractual consumption, composition and analysis of electric power balance-sheets on branches, electric grids zone/distribution grids zone, feeders of distribution grids zone (6-10), on substations, elimination of electric power imbalance (monthly).	112,22	106,67	145,15
4.	Organization of authentic metering of instrument gages at power plants, substations adjacent to AO-energo (at intersystem OL) and JSC "UES FGC", at legal persons and residential subscribers, control over their electric power consumption, control over technical record-keeping devices in locations of delivery in multifamily housing, their technical state check.	109,18	146,28	157,09
5.	Check of electricity meters and technical arrangements on losses decrease according to the Program of change of meters, current transformers (0,4-6-10 kv) and voltage transformers (6-10 kv).	24,47	62,09	57,44
6.	Other arrangements (optimization of places of disjunction of 6-20 kv CL, load balancing in a transformer substation and 0,4 kv grids, transformers change in 6-20 kv transformer substation by a bigger capacity, transformers change of obsolete GOST by a new transformer in 6-10 kv transformer substation, lines transfer to a higher voltage.	2,43	0,99	2,55

2. Technological connection



2.1. Number of filed applications for technological connection

Number of filed applications, pcs.	Moscow*		Moscow region	
	9 months of 2009	9 months of 2010	9 months of 2009	9 months of 2010
Totally, including:	6,422	7,077	23,935	25,241
- up to 15 kW	4,624	4,702	21,098	23,181
<i>including natural persons</i>	951	768	19,663	22,188
- 15-100 kW	950	1,435	1,446	865
<i>including categories entitled to benefits</i>	30	21	521	209
- 100-750 kW	609	678	1,098	920
- Over 750 kW	239	262	293	275

2.2. Total capacity on filed applications for technological connection

Total capacity on filed applications, MW	Moscow*		Moscow region	
	9 months of 2009	9 months of 2010	9 months of 2009	9 months of 2010
Totally, including:	1,964,329	3,635,563	2,561,961	1,759,208
- up to 15 kW	35,875	42,336	172,688	256,780
including natural persons	9,522	9,694	157,654	245,321
- 15-100 kW	46,907	63,776	81,038	51,477
including categories entitled to benefits	6,585	947	29,294	14,984
- 100-750 kW	169,736	170,867	312,908	290,985
- Over 750 kW	1,711,811	3,358,584	1,995,327	1,159,966

*subject to applications for connection of power generating devices

2. Technological connection



2.3. Number of concluded contracts for technological connection

Number of concluded contracts, pcs.	Moscow		Moscow region	
	9 months of 2009	9 months of 2010	9 months of 2009	9 months of 2010
Totally, including:	3,092	4,170	19,127	19,209
- up to 15 kW	2,598	3,883	17,535	18,077
<i>including natural persons</i>	2,383	867	15,403	16,912
- 15-100 kW	258	151	912	612
<i>including categories entitled to benefits</i>	23	16	499	426
- 100-750 kW	181	101	595	451
- Over 750 kW	55	35	85	69

2.4. Capacity on concluded contracts for technological connection

Total capacity on concluded contracts, MW	Moscow		Moscow region	
	9 months of 2009	9 months of 2010	9 months of 2009	9 months of 2010
Totally, including:	220,788	177,383	563,248	467,723
- up to 15 kW	20,999	34,625	131,870	189,525
<i>including natural persons</i>	19,674	9,803	113,020	176,586
- 15-100 kW	12,198	7,721	50,002	37,692
<i>including categories entitled to benefits</i>	964	550	28,320	26,411
- 100-750 kW	53,384	28,811	158,340	122,657
- Over 750 kW	134,208	106,225	223,036	117,849

2. Technological connection



2.5. Structure of demand specified by connection categories

Structure of demand specified by connection categories, %*	Moscow		Moscow region	
	9 months of 2009	9 months of 2010	9 months of 2009	9 months of 2010
Up to 15 kW	9	20	23	41
15-100 kW	6	4	9	8
100-750 kW	24	16	28	26
Over 750 kW	61	60	40	25
Totally	100	100	100	100

*structure of demand is reflected on basis of the capacity of contracts for technological connection concluded for the reporting period

3. Repair activity



3.1. Repair program

Repair program fulfillment specified by groups	9 months of 2009 (fact)		9 months of 2010 (plan)		9 months of 2010 (fact)	
	km. (pcs.)	mln. RUR.	km. (pcs.)	mln. RUR.	km. (pcs.)	mln. RUR.
Repair of overhead lines	2,851.6	400.6	3,447.6	451.7	3,499.2	383.0
Repair of cable lines	241.1	736.5	288.1	798.0	294.6	824.0
Repair of substations	16	514.8	15	545.9	17	539.7

For 9 months of 2010 JSC “MOESK” managed to decrease costs per unit for repair in comparison with the similar period of the previous year, owing to the following factors:

- an economic effect from competitive procedures holding on contractor organizations choice for services rendering on power and repair production;
- expenses optimization under preparation of the estimated and technical documentation for repair works performance.

3.2. Structure of expenses for repair

Structure of expenses for repair (incl. VAT), mln. RUR	9 months of 2009 (fact)	9 months of 2010 (plan)	9 months of 2010 (fact)
Non-contracted way	1,657.0	1,744.6	1,682.1
Contracted way	1,475.5	1,720.4	1,747.9

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

Structure of expenses for repair (incl. VAT), mln. RUR	9 months of 2009 (fact)	9 months of 2010 (plan)	9 months of 2010 (fact)
Moscow	1,572.3	1,883.9	1,871.8
Moscow region	1,560.2	1,581.2	1,558.1
Totally in JSC “MOESK”	3,132.5	3,465.1	3,430.0

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

4. Financial indicators



4.1. Financial results of operating activity

Indicator	9 months of 2009 (fact)	9 months of 2010 (plan)	9 months of 2010 (fact)
Proceeds for services on electric power transmission, mln. RUR.	54,391	65,156	66,044
Moscow	28,516	35,334	35,762
Moscow region	25,875	29,822	30,282
Proceeds for services on technological connection, mln. RUR.	5,767	11,505	12,204
Moscow	4,127	7,378	7,741
Moscow region	1,640	4,127	4,463
Expenses for electric power purchase to compensate for electric power losses in the grids of JSC "MOESK", mln. RUR.	6,932	8,809	8,667
Moscow	3,730	5,061	4,990
Moscow region	3,202	3,748	3,677