Мы создаем энергию прогресса

JTK-1



November 2009



# CONTENTS

1. TGC-1 IN FIGURES	Р.3
2. PRODUCTION	Р.4
3. SALES	<b>Р.6</b>
4. FINANCIAL PERFORMANCE REVIEW	Р. <b>9</b>
5. CONDENSED FINANCIAL STATEMENT	<b>Р.10</b>
6. CONTACTS	P.13





# **1. TGC-1 IN FIGURES**

## **Operational highlights for 9 months 2009**<sup>\*</sup>

	9M 2008	9M 2009	∆ <b>(%)</b>
Electricity generation, mln kWh	19,670.1	19,297.3	-1.9
Electricity useful output. mln kWh **	20,656.9	20,690.0	0.2
Heat generation. thousand GCal	17,385.5	17,671.8	1.6
Heat useful output. thousand GCal **	16,622.3	16,793.8	1.0

\* including Murmanskaya CHPP

\*\* Including purchased power

Total assets



72,868,724

21.4

88,434,339



# **2. PRODUCTION**

#### Electricity useful output Electricity useful output **Electricity generation** (thousand kWh). except (thousand kWh). including (thousand kWh) purchased power energy purchased power energy Δ Δ Δ **9M 2008 9M 2009** 9M 2008 9M 2009 9M 2008 9M 2009 (%) (%) (%) 11,003,393.7 10,642,670.3 -3.3 9,930,969.0 9,593,800.6 11,061,861.8 11,074,236.6 Nevsky branch -3.4 0.1 Karelsky branch 3,105,669.2 3,171,649.7 2.1 2,959,531.7 3,027,543.5 2.3 3,075,609.7 3,165,941.3 2.9 Kolsky branch 5,538,932.1 5,461,075.1 -1.4 5,379,290.5 5,270,401.9 -2.0 6,507,702.8 6,437,765.9 -1.1 **Total TGC-1** 19,647,994.9 19,275,395.1 -1.9 18,269,791.1 17,891,746.0 -2.1 20,645,174.3 20,677,943.9 0.2 22,055.2 21,906.7 -0.7 11,702.5 12,093.1 3.3 11,702.5 12,093.1 3.3 Murmanskaya CHPP Total TGC-1 incl. 20,656,876.8 19,670,050.1 19,297,301.7 18,281,493.6 17,903,839.1 20,690,037.0 -1.9 -2.1 0.2 Murmanskaya CHPP

#### **Electricity generation and output for 9 months 2008-2009**

#### Heat generation for 9 months 2008-2009

		Hea	at generatior	n (GCa	I)		utput (GCal) Inc ed power energ	-
		9M 2008	9M 2	009	∆ <b>(%)</b>	9M 2008	9M 2009	∆ <b>(%)</b>
Nevsky branch		13,697,737	<b>'</b> .0 <b>14</b> ,111,	359.0	3.0	13,155,446.0	13, <mark>492,42</mark> 3.2	2.6
Karelsky branch		1,1 <mark>44,311</mark>	.0 1,124,7	115.0	-1.8	1,115,586.0	1,092,204.0	-2.1
Kolsky branch		853,040.3	3 841,9	72.4	-1.3	802,136.0	744,584.4	-7.2
Total TGC-1		15,695,088	8.3 16,077,	446.4	2.4	15,073,168.0	15,329,211.6	1.7
Murmanskaya CH	IP	1,690,420	.6 1,594,3	389.0	-5.7	1,549,083.7	1,464,625.3	-5.5
Total TGC-1 inclu Murmanskaya CH		17,385,508	8.9 17,671,	835.4	1.6	16,622,251.7	16,793,836.9	1.0

#### Utilization factor of maximum capacity for 9 months 2009, %

	CHP	HPP	HPP+CHP
Nevsky branch	41.3	72.2	46.9
Karelsky branch	39.1	59.1	53.0
Kolsky branch	14.1	49.6	43.6
Total TGC-1	38.6	56.7	46.8

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# Specific fuel consumption on Company's CHPPs for 9 months 2009

	Specific fuel	consumption	Specific fuel consumption on electricity output		
	electricity output, G/kWh	heat output, kg/GCal	on heating cycle. G/kWh	on condensation cycle. G/kWh	
Nevsky branch					
Central CHP	413.62	157.85	356.43	522.19	
Pravoberegnaya CHP-5	258.80	150.55	236.57	360.46	
Vasiliostrovskaya CHP-7	312.72	140.73	286.85	471.56	
Dubrovskaya CHP-8	493.75	172.70	438.28	497.77	
Pervomayskaya CHP-14	375.96	161.23	335.68	484.29	
Avtovskaya CHP-15	340.13	134.03	291.42	479.49	
Vyborgskaya CHP-17	334.37	129.93	280.05	435.91	
Severnaya CHP-21	283.19	123.56	245.89	408.33	
Jugnaya CHP-22	262.41	132.54	220.60	337.14	
An average of Nevsky branch	303.82	140.09	260.00	405.21	
Karelsky branch					
Petrozavodskaya CHP	293.10	129.05	252.55	402.81	
DPS	352.33				
An average of Karelsky branch	293.10	129.05	252.55	402.81	
Kolsky branch					
Apatitskaya CHP	325.06	143.04	325.06		
An average of Kolsky branch	325.06	143.04	325.06		
An average of TGK-1	303.61	139.47	262.10	404.86	

## Fuel mix for 9 months 2009, %

TGC-1 branches	gas	fuel oil	coal	diesel
Nevsky branch	99.23	0.77	0	-
Karelsky branch	99.65	0	-	0.35
Kolsky branch	-	0.28	99.72	-
Total TGC-1	94.98	0.70	4.30	0.02
Murmanskaya CHP	-	100	-	-
Total TGC-1 incl. Murmanskaya CHP	89.68	6.24	4.06	0.02



# 3. SALES

## **ELECTRIC POWER AND CAPACITY**

### Electricity sales breakdown by market sectors for 9 months 2009, thousands kWh

	Total TGC-1 (%)	Total TGC-1 (thousand kWh)	Nevsky branch	Karelsky branch	Kolsky branch
Regulated sector of the wholesale market	53.9	11,138,308.9	6,275,924.7	1,705,658.3	3,156,725.9
Day-ahead market	37.1	7,665,209.9	3,834,211.4	1,363,814.5	2,467,184.0
Balancing market	2.8	574,966.4	367,063.1	55,133.7	152,769.7
Fixed-date electricity and capacity contracts	1.3	266,702.9	175,918.4	38,067.1	52,717.5
СДД	0.2	40,987.7	22,234.7	0.0	18,753.0
Export	4.6	959,319.1	370,984.5	0.0	588,334.6
Retail market	0.2	32,448.7	27,899.8	3,267.8	1,281.1
TOTAL	100.0	20,677,943.9	11,074,236.6	3,165,941.3	6,437,765.9

# Capacity sales for 9 months 2009, MW/month

	Total TGC-1 (%)	Total TGC-1 (MW/month)	Nevsky branch	Karelsky branch	Kolsky branch
Regulated sector of the wholesale market	69.2	4,112.74	2,308.17	<mark>5</mark> 22.02	1,282.55
Long term electricity and capacity contracts (HPP/APP)	4.0	236.91	107.58	29.77	99.57
Fixed-date electricity and capacity contracts	23.3	1,383.22	724.04	<mark>1</mark> 46.24	512.94
Competitive Capacity Screening	3.5	207.21	142.40	55.59	9.22
TOTAL	100.0	5,940.08	3,282.19	753.61	1,904.28

## Electricity and capacity revenues for 9M 2009, thousand RUR

			Electricity		Capacity		
	TGC-1	Nevsky	Karelsky	Kolsky	Nevsky	Karelsky	Kolsky
Regulated sector of the wholesale market	6,873,517.8	3,232,509.8	238,649.1	182,717.4	1,848,891.3	528,943.5	841,806.7
Long term electricity and capacity contracts (HPP/APP)	182,118.2				81,353.3	30,888.2	69,876.7
Day-ahead market contracts	4,362,783.5	2,405,744.1	770,924.9	1,186,114.5			
Balancing market	251,353.3	158,733.8	45,502.8	47,116.7			
Fixed-date electricity and capacity contracts	1,438,525.8	142,672.7	30,590.9	45,620.4	648,633.9	142,131.3	428,876.6
Unregulated contracts	25,071.7	15,994.4		9,077.3			
Competitive Capacity Screening	199,316.9				136,602.4	56,153.3	6,561.2
Export	1,245,206.8	505,794.3		739,412.5			
Retail market	80,246.9	29,624.9	50,622.0				
TOTAL	14,658,140.8	6,491,073.9	1,136,289.6	2,210,058.8	2,715,480.8	758,116.3	1,347,121.3
TOTAL electricity	9,837,422.4						
TOTAL capacity	4,820,718.4						

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## Electricity and capacity purchase for 9M 2009

	Volume thous. kWh		Volume. thous. (MW)
Day-ahead market	2,123,822.5	Competitive Capacity	286.0
Balancing market	642,645.9	Screening	
Fixed-date electricity and	19,729.5	Fixed-date electricity and capacity contracts	15.4
capacity contracts	0 700 407 0	TOTAL	301.4
TOTAL	2,786,197.8		

# HEAT

## Heat revenue, thousand RUR

	9M 2008	9M 2009	∆ <b>(%)</b>
Nevsky branch	7,128,752	8,702,117	22.1
Karelsky branch	436,571	485,093	11.1
Kolsky branch	52 <mark>5,930</mark>	666,977	26.8
Total,TGC-1	8,091,253	9,854,188	21.8

# Useful output structure, thousand GCal

	9M 2	9M 2008		9M 2009		
	Total TGC-1 (thous. GCal)	Total TGC-1, (%)	Total TGC-1 (thous. GCal)	Total TGC-1, (%)		
	15,073.2	100.0	15,329.2	100.0	1.7	
Industrial consumers	804.9	5.3	793.3	5.2	-1.4	
Housing consumers	7,084.2	47.0	8,291.3	54.1	17.0	
Other consumers	3,722.4	24.7	3,024.0	19.7	-18.8	
Heat suppliers						
(resellers)	3,461.7	23.0	3,220.6	21.0	-7.0	



# TARIFFS

# Average electricity tariffs in 2009

	since 01.01.2008, kop./kWh	since 01.01.2009, kop./kWh	Changes
Nevsky branch	68.11	79.96	17.4%
Karelsky branch	43.27	48.12	11.2%
Kolsky branch	29.24	31.73	8.5%
TGC-1	54.37	61.27	12.7%
Murmanskaya CHP	265.0	300.0	13.2%

#### Heat tariffs in 2009

				ince 01.01.2008, RUR/G Cal		since 01.01.2009, RUR/G Cal		nges
Nevsky bra	anch		54	0.26	6	645.75	19.5%	
St. Pe	Petersburg		536.09		(	641.87	19.7%	
Lenob	Lenoblast		72	4.28	8	316.61	12.	7%
Karelsky b	ranch	1	40	1.97	4	173.42	17.	8%
Kolsky bra	nch		64	2.00	1	777.00	21.	0%
TGC-1			53	6.24	(	640.92	19.	5%
Murmansk	Murmanskaya CHP		969.36		1202.82		24.	1%



# 4. FINANCIAL PERFORMANCE REVIEW

## Revenue breakdown

	9M 2008		9M 2009	∆ <b>(%)</b>	
	Thous. RUR	(%)	Thous. RUR	(%)	
Electricity and capacity including	12,904,973	59.4	14,658,141	58.1	13.6
Electricity and capacity in regulated sector	7,542,733	34.7	6,873,518	27.2	-8.9
Electricity and capacity in Competitive Capacity Screening	4,636,967	21.3	6,459,169	25.6	39.3
Export electricity and capacity	669,577	3.1	1,245,207	4.9	86.0
Electricity and capacity on retail	55,695	0.3	80,247	0.3	44.1
Heat	8,091,253	37.2	9,854,188	39.0	21.8
Other production, works, services	726,274	3.3	734,777	2.9	1.2
Total revenue	21,722,500	100.0	25,247,106	100.0	16.2

				Cos	sts break	down					
						9M 2008			9M 2009		
					Thous	. RUR	%	Thous.	RUR	%	
Total costs					21,004	4,374	100.0	22,481	,532	100.0	
Fuel					9,361	,642	44.6	8,933,	,606	39.7	
Purchased ene	ergy				1,770	,188	8.4	2,183,	,452	9.7	
Water for techr	nology	proces	SS		1,352	,132	6.4	1,386,	,273	6.2	
Fixed assets re	epairin	g			1,372	,499	6.5	1,677,	,520	7.5	
Salary fund & u	uniforn	n socia	l tax		2,381	,801	11.3	2,615,	,987	11.6	
Amortization					1,740	,669	8.3	2,148,	,364	9.6	
Heat transit					627,	905	3.0	755,9	925	3.4	
Wholesale & re	etail m	arket s	ervices		338,	520	1.6	451,2	292	2.0	
Rent					195,	201	0.9	213,6	603	1.0	
Taxes					648,	345	3.1	706,0	)14	3.1	
Others					1,215	,472	5.8	1,409,	,495	6.3	

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# **5. CONDENSED FINANCIAL STATEMENT**

## (ACCORDING TO RUSSIAN ACCOUNTING STANDARDS)

## Balance sheet

		Thous. RUR	
ASSETS	01.01.2009	30.09.2009	
I. NON-CURRENT ASSETS			
Intangible assets	-	-	
Fixed assets, including:	36,910,041	41,009,980	
land	25,365	25,365	
buildings, machinery and equipment, facilities	36,428,032	40,637,365	
other types of fixed assets	456,644	347,250	
construction in progress	14,655,142	22,723,798	
Income yielding investments into tangible assets	149	116	
Long-term financial investments, including:	2,111,094	2,113,522	
subsidiaries	372,972	375,550	
associated companies	20,000	20,000	
other companies	91,849	91,699	
long-term loans	1,618,273	1,618,273	
other long-term financial investments	8,000	8,000	
Other non-current assets	317,421	368,454	
TOTAL non-current assets	53,993,847	66,215,870	
II. CURRENT ASSETS			
Inventories	2,408,904	2,305,077	
Value added tax on purchased tangibles	314,202	658,606	
Accounts receivable, payments for which are expected in more than 12 months	53,600	39,768	
Accounts receivable, payments for which are expected within 12 months, including:	20,197,835	15,652,247	
buyers and customers	3,896,112	3,060,290	
bills receivable	-	-	
Debts of associated and depended companies	-	-	
advances paid	14,407,700	10,648,158	
other receivables	1,894,023	1,943,799	
short-term financial investments	1,126,050	3,153,360	
cash and cash equivalents	1,191,406	409,411	
TOTAL current assets	25,291,997	22,218,469	
TOTAL ASSETS	79,285,844	88,434,339	
SHAREHOLDER'S EQUITY AND LIABILITIES	01.01.2009	30.09.2009	
III. SHAREHOLDER'S EQUITY			
Authorized share capital:	38,543,414	38,543,414	
in preferred shares	-	-	
in ordinary shares	38,543,414	38,543,414	
Paid up shares from shareholders	(5)	-	
Capital surplus	39,706,871	39,680,132	
Capital reserves	42,899	54,465	
Retained profit of prior periods	1,471,525	1,486,697	
Losses of prior periods	(16,671,906)	(16,671,906)	

Мы создаем энергию прогресса

Retained profit of the reporting period	-	2,368,29
Losses of the reporting period	-	
TOTAL shareholder's equity	63,092,798	65,461,0
IV. LONG-TERM LIABILITIES		
Loans and credits	2,283,930	5,809,8
Deferred tax liability	1,499,079	1,912,8
Other long-term liabilities	-	
TOTAL LONG-TERM LIABILITIES	3,783,009	7,722,7
V. SHORT-TERM LIABILITIES		
Loans and credits, including:	2,507,800	7,876,4
bank credits	2,482,071	6,531,4
loans	25,729	1,344,9
Accounts payable, including:	9,902,155	7,044,0
bank credits	7,881,052	5,023,8
suppliers and contractors	-	
notes payable	17,776	123,7
wages payable to staff	32,485	43,3
payables to state and off-budget funds	255,233	251,7
charges to budget	1,554,780	1,205,0
advances received	160,829	396,3
other payables	-	
Payables to participants (founding parties)	82	
Deferred income	_	330,0
TOTAL short-term liabilities	12,410,037	15,250,5
TOTAL SHAREHOLDER'S EQUITY AND LIABILITIES	79,285,844	88,434,3



## Income statement

		Thousand RUR
Index	9M 2009	9M 2008
Profit and loss from ordinary activities		
Revenues	25,247,106	21,722,500
Electricity and power for internal customers	13,412,934	12,235,396
Electricity and power (export)	1,245,207	669,577
Heat	9,854,188	8,091,253
Other products, works and services	734,777	726,274
Cost of goods sold	(22,569,175)	(21,207,272)
Electricity and power for internal customers	(11,575,774)	(11,449,011)
Electricity and power (export)	(249,295)	(51,550)
Heat	(10,656,463)	(9,503,813)
Other products, works and services	(87,643)	(202,898)
Gross profit	2,677,931	515,228
Profit (loss) from sales	2,677,931	515,228
Other profit and expenses		
Interest income	210,681	509,732
Interest expenses	(401,617)	(156,726)
Other organizations participation income	-	-
Other income	8,526,430	651,933
Other expenses	(7,876,478)	(1,342,015)
Pre-tax profit	3,136,947	178,152
Deferred tax assets	-	-
Deferred tax liability	(414,295)	(307,568)
Current profit tax	(353,308)	-
Other similar mandatory payments	(1,048)	1,781
Profit tax and other similar mandatory payments	(768,651)	(305,787)
Profit after tax	2,368,29 <mark>6</mark>	(127,635)
Net profit	2,368,296	(127,635)



# 6. CONTACTS

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