

# JSC TGC-1 9M 2012 IFRS Results

December 3, 2012 Saint Petersburg



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### Operational and Financial Highlights for 9M 2012

### **Operational Highlights**

	9M 2011	9M 2012	Change
Installed Capacity, MW	6,837	6,870*	+0.5%
Electricity Production, mn kWh, Including:	20,718	21,617	+4.3%
CHP	11,556	11,593	+0.3%
HPP	9,162	10,024	+9.4%
Electricity Sales Including Purchased Energy, mn kWh	23,948	25,201	+5.2%
Capacity Sales, MW per Month	4,763	5,056	+6.2%
Heat Output, thous Gcal	18,270	17,629	-3.5%
Useful Heat Output Including Purchased Energy, thous Gcal	18,240	17,855	-2.1%
Fuel Rate on Electricity**, g/kWh	293.62	288.86	-1.6%
Fuel Rate on Heat**, kg/Gcal	140.24	140.42	+0.1%
Installed Capacity Utilization Factor, %**	47.3	47.3	0.0 p.p.
CHP	46.6	43.8	-6.0 p.p.
HPP	48.1	52.2	+8.5 p.p.

#### \* As of 01.10.2012

### Financial Highlights, mn RUR

	9M 2011	9M 2012	Change
Revenue	43,173	42,419	-1.7%
Operating Expenses, incl.:	(37,380)	(36,226)	-3.1%
Fixed Costs	10,190	9,768	-4.1%
Variable Costs	24,387	24,057	-1.4%
Depreciation of property, plant and equipment and intangible assets	(3,422)	(4,088)	+19.5%
Operating Income	619	1,688	+172.5%
Operating Profit	5,793	6,193	+6.9%
Profit Before Income Tax	4,617	4,902	+6.2%
EBITDA***	9,215	10,281	+11.6%
Profit	3,699	3,384	-8.5%

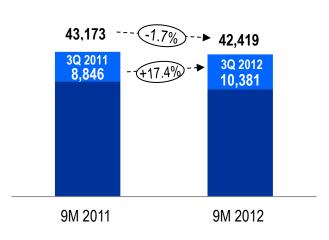
<sup>\*\*\*</sup> For the purpose of business planning EBITDA calculates as EBITDA = Operating profit + Depreciation of property, plant and equipment and intangible assets

<sup>\*\*</sup> Without Murmanskaya CHP



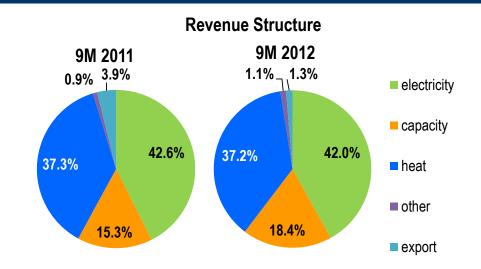
### Revenue

#### 9M Revenue, mn RUR



### Prices and tariffs, mn RUR

	9M 2011	9M 2012	Change	3Q 2011	3Q 2012	Change
Average electricity price, thous RUR/MWh	834.0	763.4	-8.5%	773.6	818.4	+5.8%
Average heat tariff, RUR/Gcal	824.2	829.7	+0.7%	801.5	860.5	+7.4%
Average new capacity price, RUR/MWh per month	374,651.9	476,487.8	+27.2%	376,971.5	438,551.3	+16.3%
Average old capacity price RUR/MWh per month	129,091.1	113,218.2	-12.3%	106,174.2	109,168.7	+2.8%



#### Revenue Change Factors, 3Q 2012

- Increase of average electricity price on the wholesale market for electricity and power by 5,8%.
- Indexation of marginal capacity price by 6.1% within CCO\* from June 1, 2012.
- Commissioning of new capacities resulted in capacity revenue within power supply agreement doubling.
- Increase of electricity production by 13.2% due to high water content:
  - HPPs production increase by 33.7%,
  - TPPs production decline by 8.5%.

<sup>\*</sup> Competitive capacity outtake

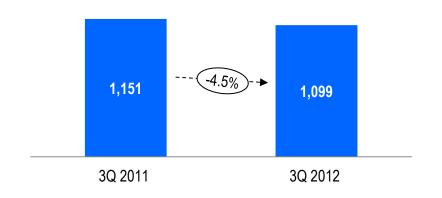


### Variable Costs

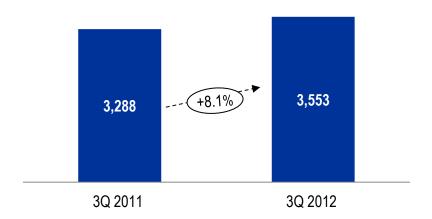
#### Variable Costs, mn RUR

	9M 2011	9M 2012	Change
Fuel	17,673	18,135	+3%
Electricity and Heat Purchases	4,407	3,575	-19%
Water Usage Expenses	1,564	1,526	-2%
Other Materials	372	461	+24%
Heat Transmission	371	360	-3%
Total Variable Costs	24,387	24,057	-1%

### 3Q Electricity and Heat Purchases Expenses, mn RUR



### 3Q Fuel Expenses, mn RUR



#### **Variable Costs Change Factors**

- Lower spending on electricity and heat purchases, on the account of lower prices at the day-ahead market and balancing market, as well as substantial reduction of purchases volume for the electricity export support.
- Fuel expenses increase due to higher gas price from July 1, 2012.



### **Fixed Costs and Depreciation**

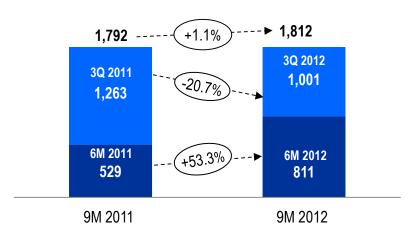
#### Fixed Costs, mn RUR

	9M 2011	9M 2012	Change
Employee Benefits	4,845	4,879	+1%
Repairs and Maintenance	1,792	1,812	+1%
Taxes Other Than Income Tax	832	724	-13%
Dispatcher's Fees	587	527	-10%
Lease Expenses	171	191	+12%
Insurance Cost	182	177	-3%
Other Operating Expenses	1,781	1,458	-18%
Total Fixed Costs	10,190	9,768	-4%

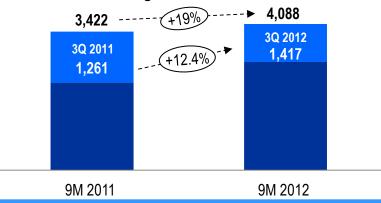
### **Fixed Costs Change Factors**

- As a result of more effective operating activities, fixed costs decreased by 4%.
- Repairs and Maintenance Costs in 3Q 2012 decreased due to rescheduled (incl. postponed to 2013) repairs and optimized purchasing system in the sphere of repairs.
- Fixed assets amortization growth, linked to new capacities commissioning.

#### Repairs and Maintenance Costs, mn RUR

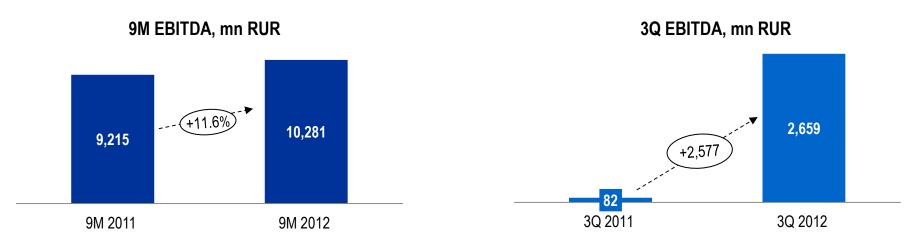


### Depreciation of property, plant and equipment and intangible assets, mn RUR

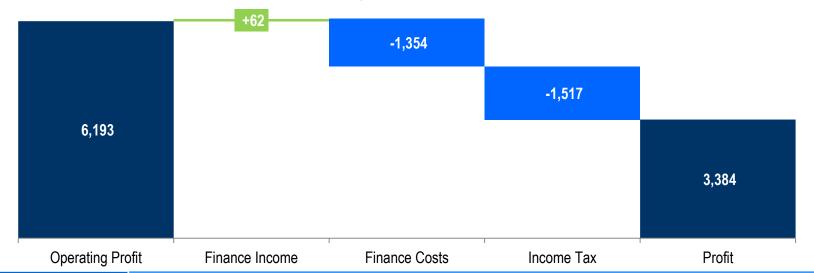




### **EBITDA and Profit Bridge**

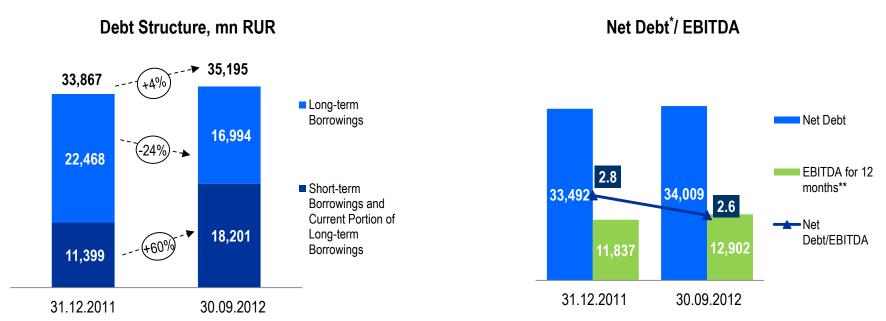


### Profit Bridge for 9M 2012, mn RUR





### **Debt and Liabilities**



<sup>\*</sup> Net debt = Total amount of borrowings + Trade and other payables less Cash and cash equivalents

### **Debt Portfolio Management**

- The weighted average effective interest rate for the debt portfolio for the 9 months of 2012 amounted (cumulatively, year to date) to 8.03%.
- Four bond issues series 01-04 of TGC-1 are traded on MICEX-RTS.

<sup>\*\*</sup> EBITDA for 12 months, ended September 30, 2012 = EBITDA for 2011 + EBITDA for 9 months 2012 – EBITDA for 9 months 2011



### **New Capacity Performance**

### **Operational Performance for 9M 2012**

	Uzhnaya CHP (CCGT 450)	Pervomayskaya CHP (CCGT 180 № 1)	Pervomays- kaya CHP (CCGT 180 №2)	CCGT Total
Electricity Production, mn kWh	1,786.3	395.4	820.3	3,002.0
Heat Output, thous Gcal	525.8	184.4	223.8	934.0
Fuel Rate on Electricity, g/kWh	233.8	229.5	255.5	239.0
Fuel Rate on Heat, kg/Gcal	125.0	125.0	125.0	125.0

#### Financial Performance \* for 9M 2012

mn RUR	Uzhnaya CHP (CCGT 450)	Pervomayskaya CHP (CCGT 180 № 1)	Pervomays- kaya CHP (CCGT 180 №2)	CCGT Total
Revenue, including	3,777.9	1,291.6	1,727.2	6,796.7
Electricity	1,796.1	416.9	800.6	3, 013.6
Capacity	1,669.0	765.8	793.8	3,228.6
Heat	312.8	108.9	132.8	554.5
Purchased Energy	263.0	100.3	56.1	419.4
Fuel	1,460.3	319.8	684.7	2,464.8
Margin	2,054.6	871.5	986.4	3,912.5

<sup>\*</sup> Management report data.

### **Comparative Performance**\* for 9M 2012

CCGT units share in installed capacity	11.4%
CCGT units share in the total revenue	16.6%
CCGT units share in the revenue from capacity sales	41.4%
CCGT units share in the margin at the wholesale market for electricity and power	27.2%



## **Appendix**



### **Key Investments Projects**





### **Commissioned Capacity (as of 01.10.2012)**

Station	Year of Commis- sioning	Electric Power, MW	Supply of capacity to the wholesale market
Svetogorskaya HPP (Hydraulic Unit 3)	2009	30.5	01.01.2011*
Vasileostrovskaya CHP	2009	50	01.01.2011
Lesogorskaya HPP (Hydraulic Unit 1)	2009	29.5	01.01.2011*
Svetogorskaya HPP (Hydraulic Unit 1)	2010	30.5	01.01.2011*
Pervomayskaya CHP	2010	180	01.03.2011
Uzhnaya CHP	2011	425	01.04.2011
Pervomayskaya CHP	2011	180	01.01.2012
Lesogorskaya HPP (Hydraulic Unit 2)	2011	29.5	01.07.2011**
Svetogorskaya HPP (Hydraulic Unit 4)	2011	30.5	01.01.2012**
Lesogorskaya HPP (Hydraulic Unit 3)	2012	29.5	01.01.2013
Pravoberezhnaya CHP	2012	450	01.01.2013
Total		1,465.0	

<sup>\*</sup> Competitive power takeoff since 2012

### Plan of Commissioning 2012-2016

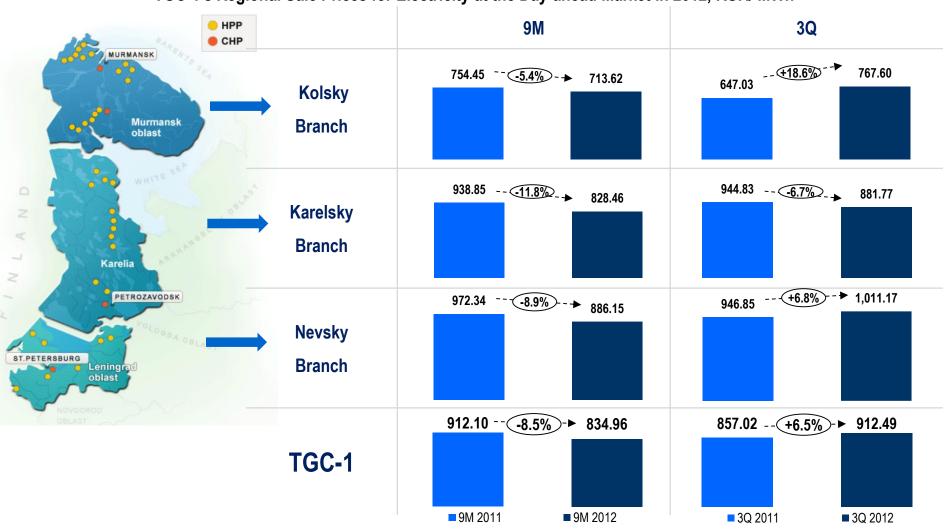
Station	Year of Commis- sioning	Electric Power, MW	Supply of capacity to the wholesale market
Svetogorskaya HPP (Hydraulic Unit 2)	2013	30.5	01.04.2013
Lesogorskaya HPP (Hydraulic Unit 4)	2013	29.5	01.01.2014
Toentralneye CHD	2016	50	01.01.2017
Tsentralnaya CHP	2010	50	01.01.2017
Итого		160.0	

<sup>\*\*</sup> Competitive power takeoff since 2013 г.



## Dynamics of Sale Prices for Electricity at the Day-ahead Market

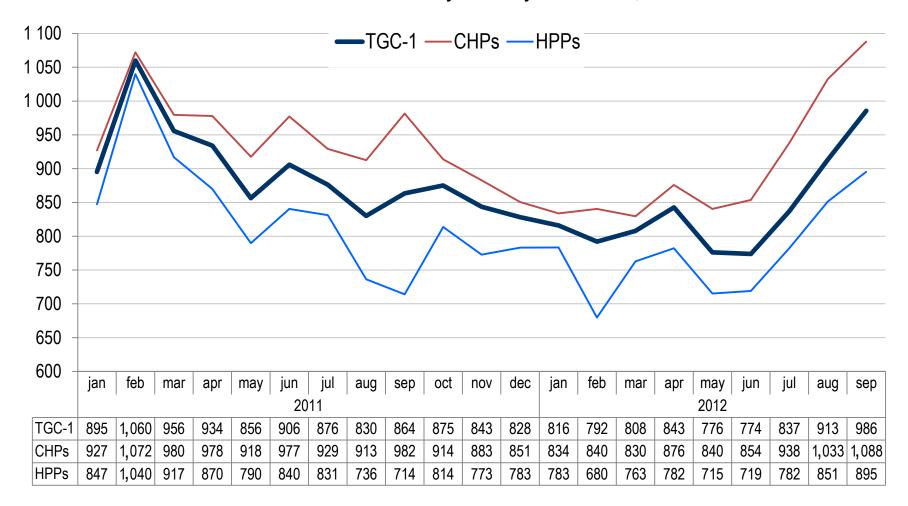
TGC-1's Regional Sale Prices for Electricity at the Day-ahead Market in 2012, RUR/ MWh





## Dynamics of Prices for Electricity at the Day-ahead Market: CHPs and HPPs

### TGC-1's Sale Price for Electricity at the Day-ahead Market, RUR/MWh





### Thank you for Your Attention!

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