



9 November 2011

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# Key Events



25 July	Signing a contract for supply and purchase of energy carriers, gas fuels and other products between EC Nowa and ArcelorMittal (current report No. 42/2011)
23 August	Concluding a preliminary agreement with Vattenfall AB for purchase of shares of Górnośląski Zakład Elektroenergetyczny (current report No. 44/2011)
26 August	Publication of announcement by Fitch rating agency on affirmation of long-term foreign and local currency ratings for the Company at BBB with stable outlooks in connection with acquisition of Górnośląski Zakład Elektroenergetyczny (current report No. 45/2011)
29 September	Signing an agreement between TAURON Ekoenergia and WSB Neue Energien concerning purchase of 100% shares of company Lipniki including 30.75 MW Lipniki wind farm
24 October	Signing an agreement with the European Investment Bank (EBI) for preferential loans at total value of PLN 510 million. The funds acquired will be allocated for two investment projects in the Generation segment
28 October	Signing an agreement with banks to increase the value of corporate bonds programme by PLN 3 billion. Funds from issue of the bonds shall be allocated for purchase of Górnośląski Zakład Elektroenergetyczny or for implementation of other investment projects (current report No. 53/2011)

# Electric energy market price trends



Electric energy						
Platforms:	2010		2011		2011/2010	
TGE, TFS, GFI, GPW-POEE	Price PLN/MWh	Volume GWh	Price PLN/MWh	Volume GWh	Price %	Volume %
Forward BASE (Y+Q+M)	186.26	37 034	195.23	105 844	+4.8%	+185.8%
Forward PEAK (Y+Q+M)	208.22	4 432	218.81	14 604	+5.1%	+229.5%
Forward (weighted aver.)	188.62	41 466	198.09	120 449	+5.0%	+190.5%
SPOT (TGE + GPW-POEE)	191.86	13 061	197.57	19 592	+3.0%	+50.0%
Total weighted average	189.40	54 527	198.02	140 041	+4.5%	+156.8%

CO <sub>2</sub> emission allowances (EUR/t):	Certificates (PLN/MWh)			
CO <sub>2</sub> market analysts' survey*	Price (PLN)	Type of certificate	Estimated market price in December 2011	Substitution fee for 2011
Average in 2011	14.13	RES (green)	282.20	274.92
Average in 2012	15.11	100	202.20	2
Average in 2013	17.44	Coal cogeneration (red)	10.00	29.58
EUA DEC-11 price forecasted by TAURON at the  * Source: MontelPowerNews end of 2011	10.30	Gas cogeneration (yellow)	123.40	127.15
		Methane (violet)	56.00	59.16

# Group restructuring – Q1-3 2011



#### Ownership structure rearrangement

- Sale of assets unrelated to the core operation for the total sum of PLN 11.5 million, including:
- recreational facilities for the amount of PLN 5.9 million
- stocks/shares for the amount of PLN 5.6 million
- Merger of 2 companies from the field of electric network renovation
- Completion of stage I of consolidation of medical services in PŚZiPZ ELVITA
- Transfer of PEPKH shares from TAURON Wytwarzanie to TAURON PE

#### **Business model implementation**

- Processes of merger of assets in the Group business areas and registration of the following companies in the National Court Register (KRS):
- ➤ TAURON Sprzedaż sp. z o.o. 3.01.2011
- TAURON Obsługa Klienta sp. z o.o. 3.01.2011
- > TAURON Dystrybucja S.A. 1.09.2011
- > TAURON Wytwarzanie S.A. 31.08.2011
- TAURON Ciepło S.A. (stage I) 1.09.2011

- Process of sale of assets unrelated to the core operation:
- > recreational facilities, scheduled completion Q4 2011
- stocks/shares of 10 companies from outside the value chain, scheduled completion – 2012
- Completion of stage II of consolidation of medical services, integration of Group structure and sale of PŚZiPZ ELVITA, scheduled completion – Q4 2011
- Process of coordination and integration of TAURON Group Structure:
- merger of companies with the same core operations (meter servicing companies in Distribution segment)
- process of separation, integration and supervision of operations unrelated to the core operation of the Group

- Follow-up of integration of assets in the Heat segment by TAURON Ciepło:
- Acquisition by TAURON Ciepło of companies: EC Tychy and EC Kamienna Góra; scheduled completion – Q1 2012
- Contribution of shares of EC Nowa to TAURON Ciepło; scheduled completion – Q1 2012

## Implementation of investment programme



#### ZEC Bielsko-Biała - new heating unit

- Capacity 50 MW<sub>e</sub> / 182 MW<sub>t</sub>
- Scheduled commissioning mid 2013

#### Status as of 30 September 2011:

 Construction works in progress. General contractor: Polimex-Mostostal

# Elektrownia Jaworzno III – new fluidized bed boiler (biomass burning)

- Capacity 50 MW<sub>e</sub> / 45 MW<sub>t</sub>
- Scheduled commissioning 2012

#### Status as of 30 September 2011:

 Construction works in progress. General contractor: consortium of Rafako and Omis

# Elektrownia Stalowa Wola – K-10 boiler modernisation (biomass burning)

- Capacity 20 MW<sub>e</sub>
- Scheduled commissioning 2012

#### Status as of 30 September 2011:

Construction works in progress. General contractor: Rafako

# Elektrociepłownia Tychy – new CHP unit and fluidized bed boiler reconstruction (biomass burning)

- Capacity 50 MW<sub>e</sub> / 86 MW<sub>t</sub>
- Scheduled commissioning end 2015 (new unit) and end 2012 (boiler reconstruction)

#### Status as of 30 September 2011:

- On 3 August agreement signed for construction of WR 40 boiler for Elektrociepłownia Tychy with company Fabryka Kotłów SEFAKO
- On 14 September call for tender for "Construction of new heating unit with fluidized bed boiler, heat condensation turbine including accompanying facilities at Elektrociepłownia Tychy S.A."

#### Wind farm - Marszewo

- Capacity 100 MW<sub>e</sub>
- Scheduled commissioning 2014

#### Status as of 30 September 2011:

- On 21 July public tender was announced for "Construction of Marszewo wind farm of 82 MW capacity including supply and installation of the wind farm". The selection of contractor is in progress
- On 3 August public tender was announced for Contract Engineer. The selection process is in progress

## Implementation of investment programme (2)



#### Elektrownia Stalowa Wola – new gas and steam unit

- Capacity 400 MW<sub>e</sub> / 240 MW<sub>t</sub>
- Commencement of the project 2010; scheduled commissioning – 1st half of 2015

#### Status as of 30 September 2011:

Process of selection of general contractor is in progress

#### Wind farm - Wicko

- Capacity 40 MW<sub>e</sub>
- Scheduled commissioning 2013

#### Status as of 30 September 2011:

- Process of contractor selection in progress
- On 26 August the Contract Engineer was selected: consortium of Group Polska (leader) and Ingenieria IDOM International

#### Elektrociepłownia Katowice – new gas and steam unit

- Capacity 135 MW<sub>a</sub> / 90 MW<sub>t</sub>
- Commencement of the project 2nd half of 2015

#### Status as of 30 September 2011:

- Process of contractor selection is under preparation
- On 19 September contract was signed with Energoprojekt Katowice for preparation of technical documentation necessary to obtain construction permit

#### Elektrownia Blachownia - new gas unit

- Capacity approx. 850 MW<sub>e</sub>
- Commencement of the project 2016

#### Status as of 30 September 2011:

 Establishment of special purpose vehicle is in progress as well as activities aimed at obtaining approval for concentration (European Commission approval for establishment of joint enterprise)

## Implementation of investment programme (3)



#### Elektrownia Jaworzno III – modernization of boilers

- Scope adjustment of six OP-650k type boilers to lower nitrogen oxides emission standards which will be binding in Poland from 2018
- Commencement of works July 2010, scheduled completion – January 2016

#### Status as of 30 September 2011:

- Modernisation was completed as well as works related to construction of nitrogen removal system at unit No. 2 – adjustments are in progress
- General contractor: consortium of Fortum Power and Heat (consortium leader) and Zakłady Remontowe Energetyki Katowice (consortium member)

#### Elektrownia Jaworzno III - new coal-fired unit

- Capacity 910 MW<sub>e</sub>
- Scheduled commissioning 2nd half of 2016

#### Status as of 30 September 2011:

- The process of selection of contractor and contract engineer is in progress. Negotiations with individual bidders were commenced
- On 11 August permit for construction of the unit was obtained

#### Elektrownia Łaziska – modernization of boilers

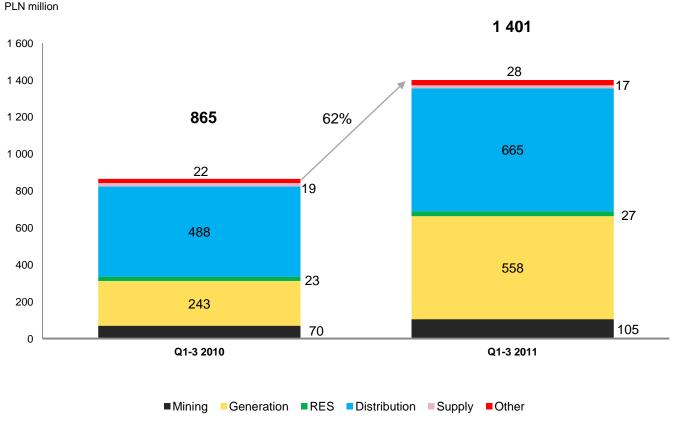
- Scope adjustment of six OP-650k type boilers to standards of lower nitrogen oxides emission which will be binding in Poland from 2018
- Commencement of works July 2010, scheduled completion – January 2015

#### Status as of 30 September 2011:

- Modernisation and construction of nitrogen removal system at unit No.12
- General contractor: STRABAG

### Investment expenditure





- In Q1-3 2011 the TAURON Group invested over PLN 1.4 billion, almost 90% of which constituted expenditures in Generation and Distribution segments
- A dynamic increase in expenditure in Generation segment results from increased expenditure on new generation units (from PLN 122 to 255 million) and other expenditures (including mainly NOx installations and modernisation of the existing boilers to biomass burning)
- Increase in expenditures in Distribution segment resulted from increased expenditures on modernisation of network assets (by approx. PLN 133 million). The increase in expenditure on new connections amounts to approx. PLN 93 million.

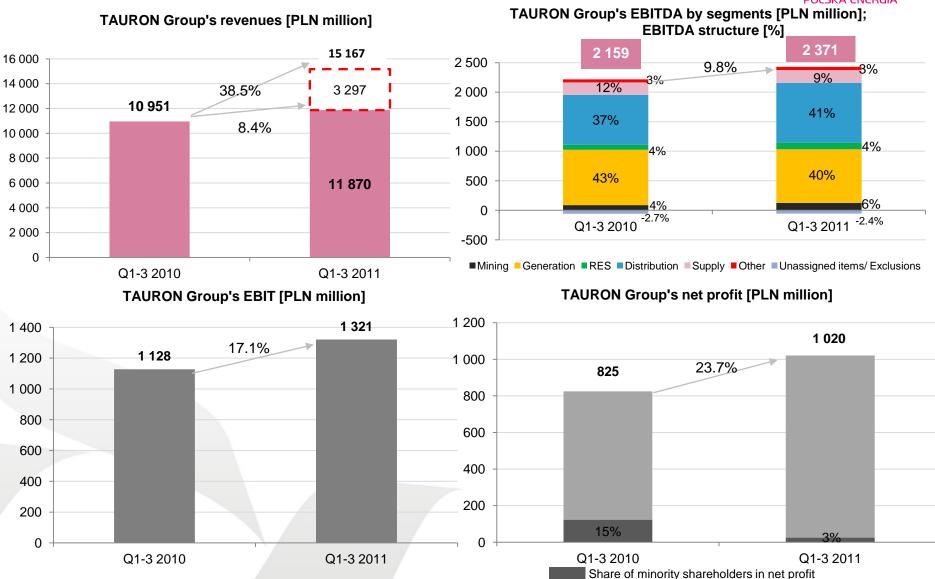
# Key operational data



	Q3 2010	Q3 2011	Change (dynamics)	Q1-3 2010	Q1-3 2011	Change (dynamics)
Production of commercial coal (million tons)	1.17	1.18	0.9%	3.38	3.78	11.8%
Electricity generation (net production) (TWh)	5.33	5.09	-4.5%	15.54	16.30	4.9%
Including RES (TWh)	0.32	0.31	-4.3%	0.85	0.77	-9.8%
Heat generation (PJ)	1.28	0.99	-22.7%	11.80	10.39	-11.9%
Distribution (TWh)	9.18	9.41	2.5%	27.94	28.82	3.1%
Retail electricity supply (TWh)	8.54	8.54	0%	25.39	27.11	6.8%
Number of customers – Distribution (thousand)	4 129	4 137	0.2%	4 129	4 137	0.2%

### Financial results for Q1-3 2011



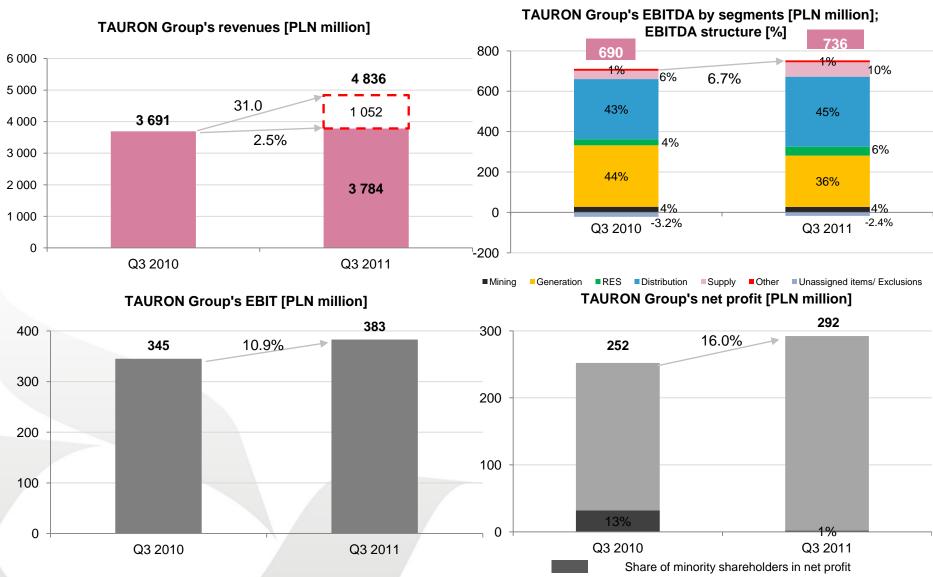


The data is presented in comparable form:

Due to the change of electric energy supply model, the value of revenues from obligatory supply generated by public trade in Q1-3 2010 was treated as internal supply in the Group and it was consolidated.

### Financial results for Q3 2011





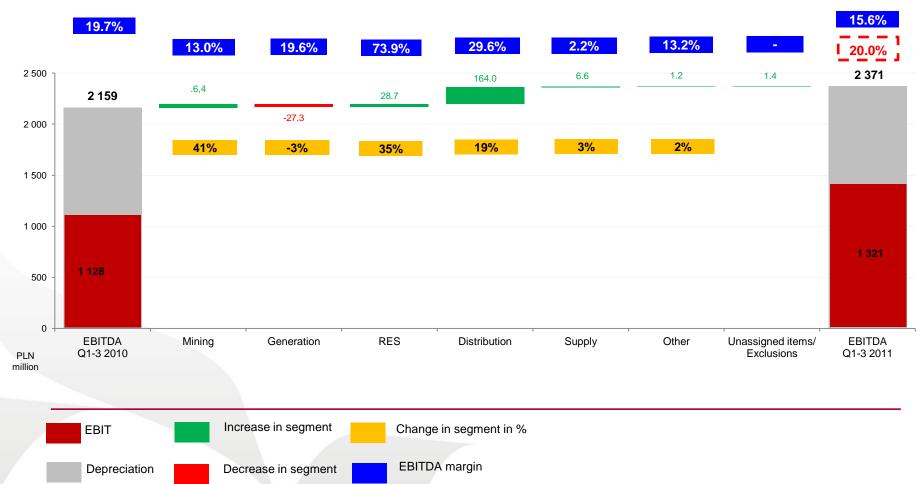
The data is presented under comparable form:

Due to the change of electric energy supply model, the value of revenues from obligatory supply generated by public trade in Q3 2010 was treated as internal supply in the Group and it was consolidated.

### Financial results for Q1-3 2011 - EBITDA



#### Changes in EBITDA by segments (PLN million and %), EBITDA margin per segment (%)



<sup>\*</sup> During three quarters of 2011 in Supply segment the valuation of RES (green) energy certificates is recognized in the amount of approx. PLN 53.1 million. This did not occur during three quarters of 2011.



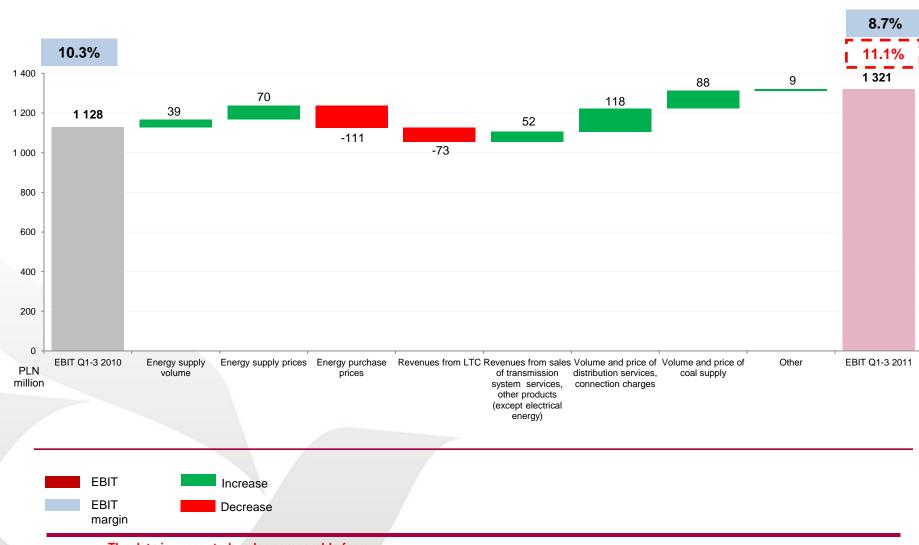
#### The data is presented under comparable form:

Due to the change of electric energy supply model, the value of revenues from obligatory supply generated by public trade in Q3 2010 was treated as internal supply in the Group and it was consolidated.

### Financial results for Q1-3 2011 - EBIT



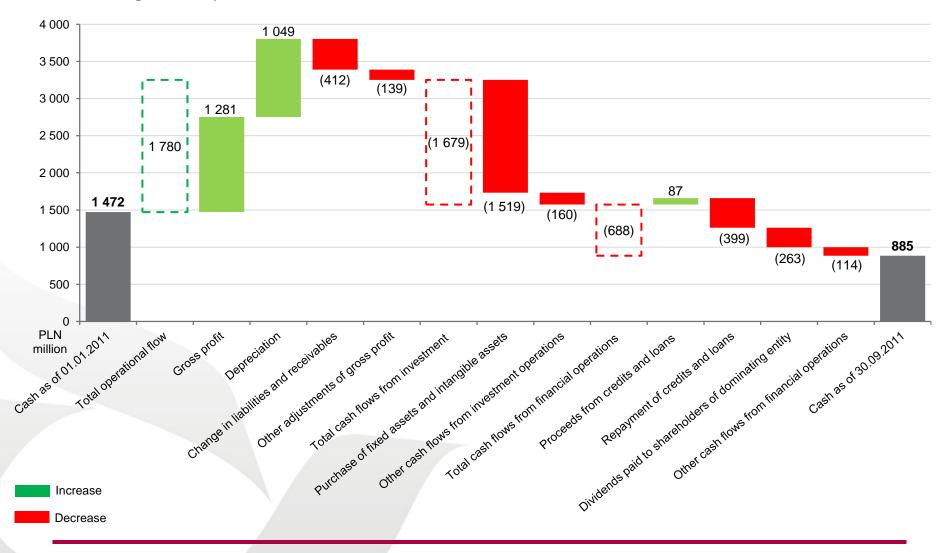
Change in EBIT vs. operational factors (PLN million); EBIT margin (%)



## Changes in cash flow level



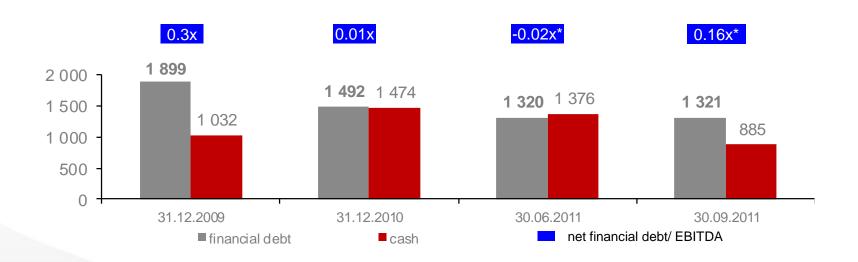
#### Cash - changes in the period of Q1-3 2011



### Group's debt



#### Net financial debt (PLN million), net financial debt/EBITDA (x)

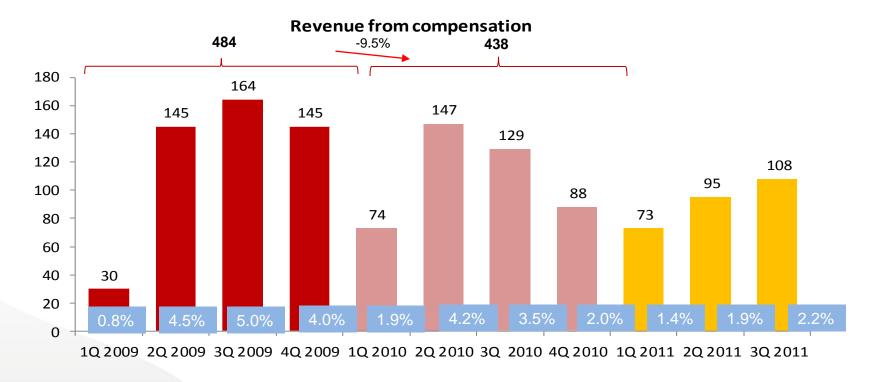


- Decrease in cash level as of 30 September 2011, due to intensified implementation of investment projects in Q3 2011
- Assuming closing of transaction of GZE purchase, financed by debt (PLN 3.5 billion), the net financial debt to EBITDA ratio would amount to approx. 1.2x

<sup>\*</sup> In relation to EBITDA value for 2010

# Compensation due to termination of Long-Term Contracts





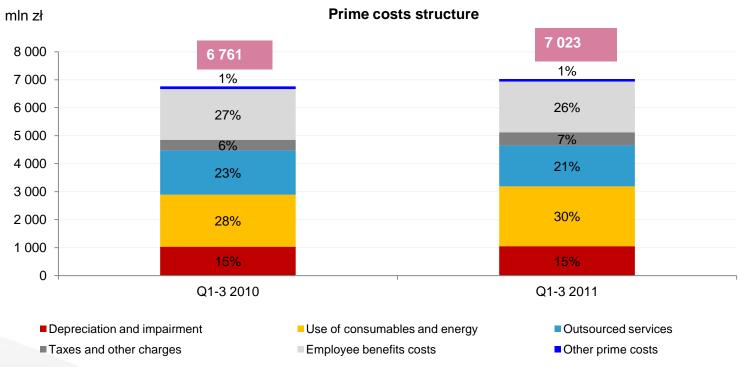


- Indexed advanced payments under LTC Termination Act
- Annual adjustments of these advance payments
  - Part of the final adjustment

Revenue due to compensation consists of:

### Prime costs structure





Cost increase during Q1-3 2011 applies mainly to:

- use of consumables and energy, including mainly coal consumption caused by the increase in electricity generation
- increase of taxes and other charges, including environmental fees related to the increase in electricity generation

During Q1-3 2011, variable costs made 45%, and fixed costs made 55% of the total amount of costs, similar to the period of Q1-3 2010

## Efficiency improvement programme



#### **TAURON Group implements cost efficiency improvement plan**

GENERATION – result in Q3 2011: – PLN 59 million; cumulated result since programme implementation– PLN 369 million

Increased production efficiency

Increased by-product utilization

Reduced expenditure related to emission of pollution

MINING – result in Q3 2011: – PLN 7 million; cumulated result since programme implementation – PLN 42 million

Reduced energy purchase costs

Reduced lateral development costs

RES + OTHER – result in Q3 2011: PLN 0 million; cumulated result since programme implementation – PLN 8 million

Reduced heat losses

Reduced employment costs

DISTRIBUTION – result in Q3 2011: – PLN 11 million cumulated result since programme implementation – PLN 144 million

Purchase costs optimization

Improvement of management and operating processes

Optimization of balance sheet differences

SUPPLY – result in Q3 2011: – PLN 1 million; cumulated result since programme implementation – PLN 9 million

Change of consumers settlement system

Optimization of mail service costs

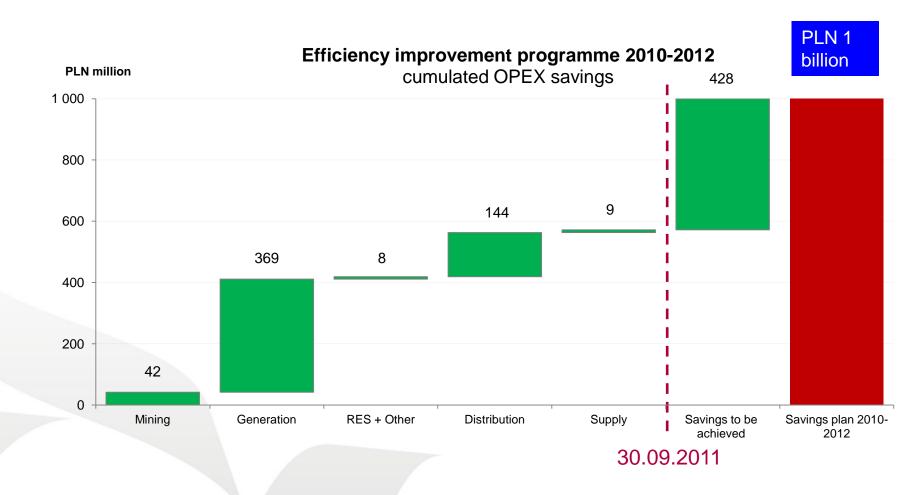
#### **VOLUNTARY REDUNDANCY PROGRAMME**

As of the end of Q3 2011, 1241 persons participated in the programme (since its implementation), out of which 611 terminated their employment contracts in 2011 (total since the programme implementation: 1169 persons). Savings resulting from reduced employment have been included in the amounts shown for individual segments.

The savings programme for the years 2010-2012 which assumes operational costs reduction by approximately PLN 1 billion has been implemented according to the plan

# Implementation of the efficiency improvement programme





# Key directions of development and growth



# Increased Group's value

- Continuation of costs efficiency improvement programme
- Achieving synergies from integration of areas
- Commencement of integration with GZE group following concluding of transaction with Vattenfall
- Implementing and execution of liquidity management policy in the Group
- Tax optimisation the analysis of TAURON PE application on registering of tax capital group is in progress

#### **Fund raising**

- Obtaining of preferential financing/ subsidies from the EU funds and environmental funds (NFOŚiGW i WFOŚiGW)
- Obtaining of preferential funding from EBI/EBOiR for projects in Distribution and Generation segments



# Thank You – Q&A



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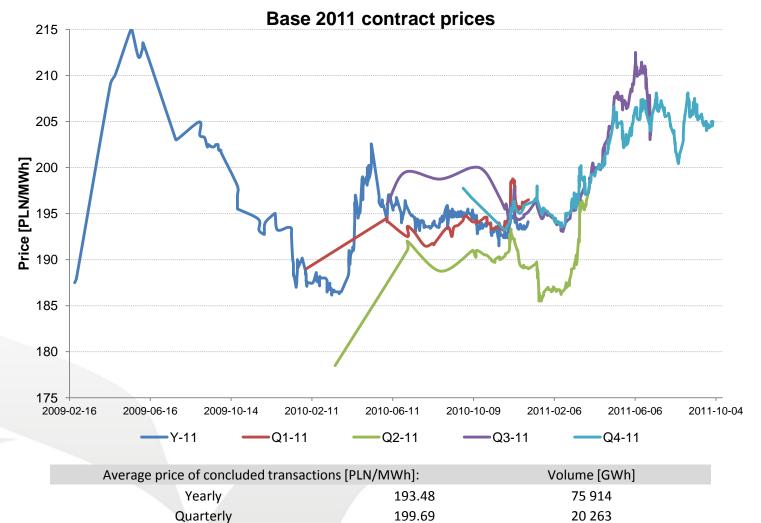
# Additional Information

### BASE 2011 transactions

Monthly

TOTAL





199.64

195.23

9 667

105 844

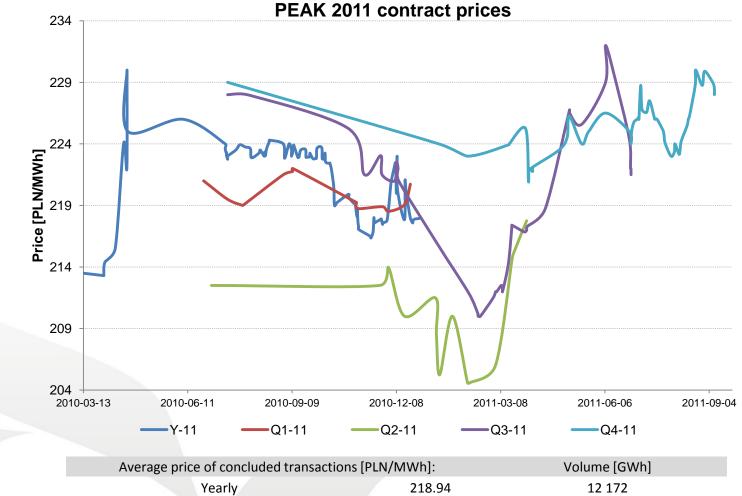
### **PEAK 2011 Transactions**

Quarterly

Monthly

**TOTAL** 





220.37

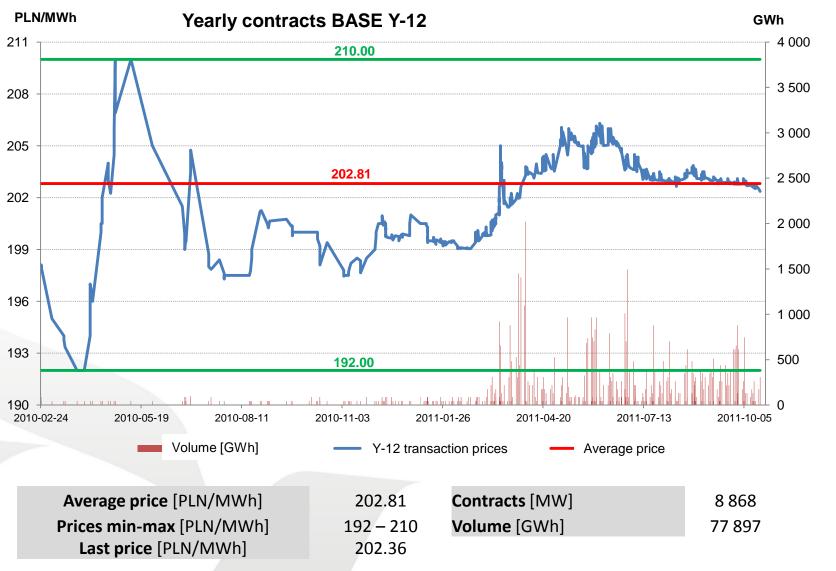
215.85

218.81

1 225		
1 208		
14 604		

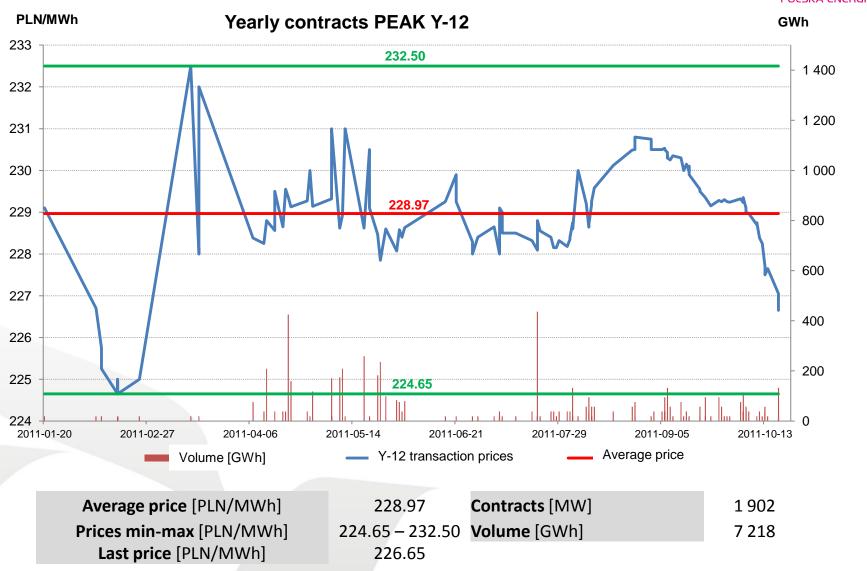
### BASE 2012 transactions





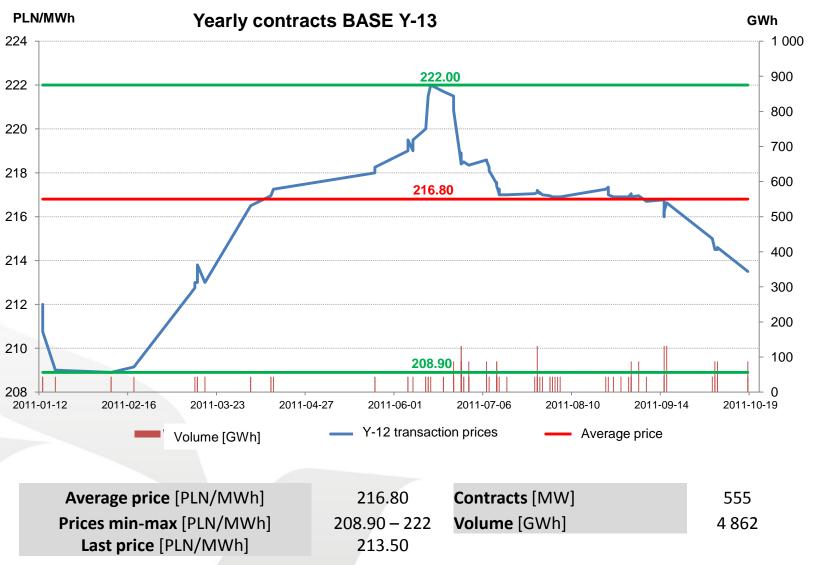
### PEAK 2012 transactions





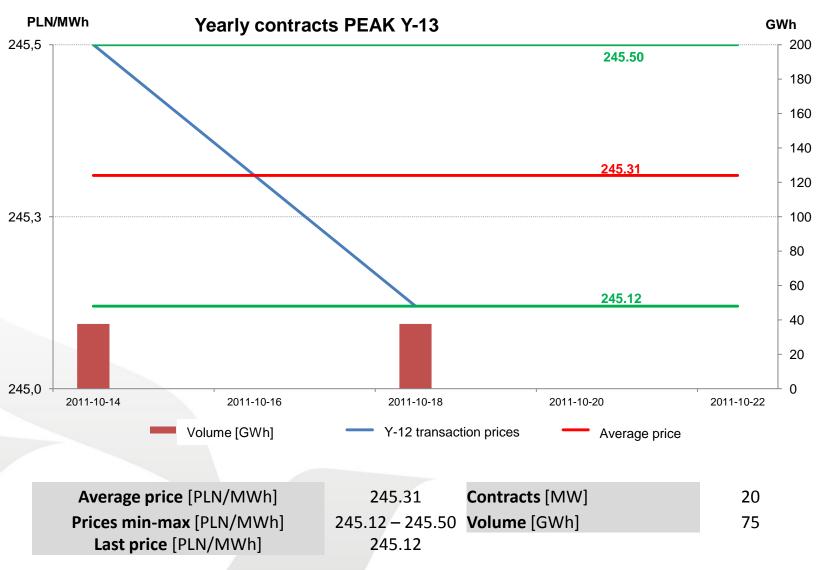
### BASE 2013 transactions





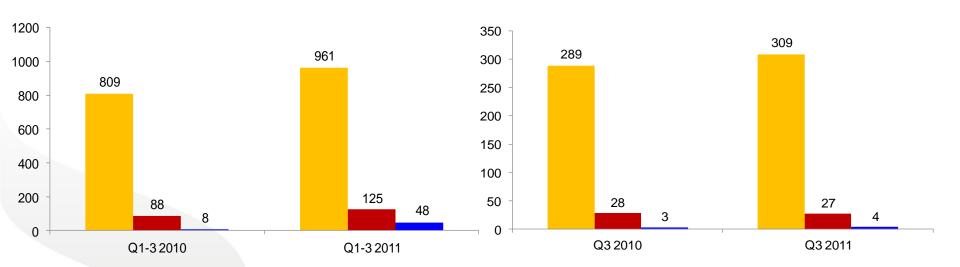
### PEAK 2013 transactions





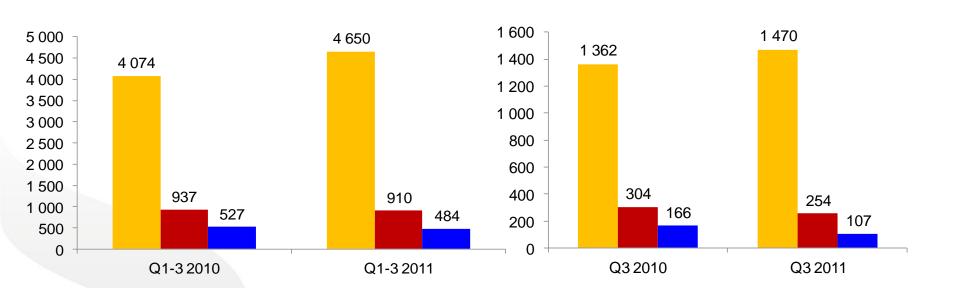
# Mining – key financial data





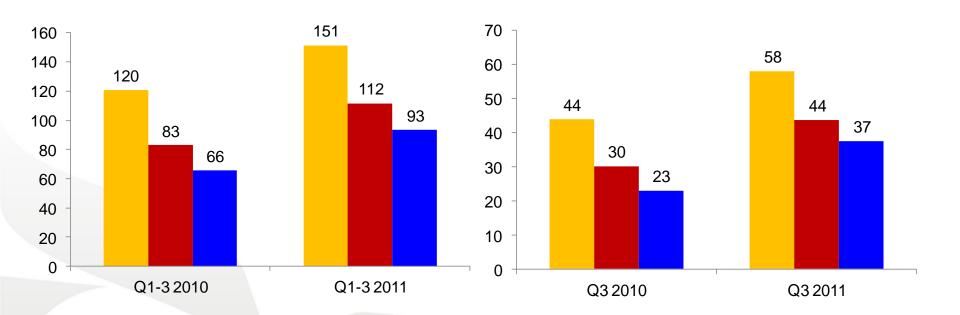
# Generation from conventional sources – key financial data





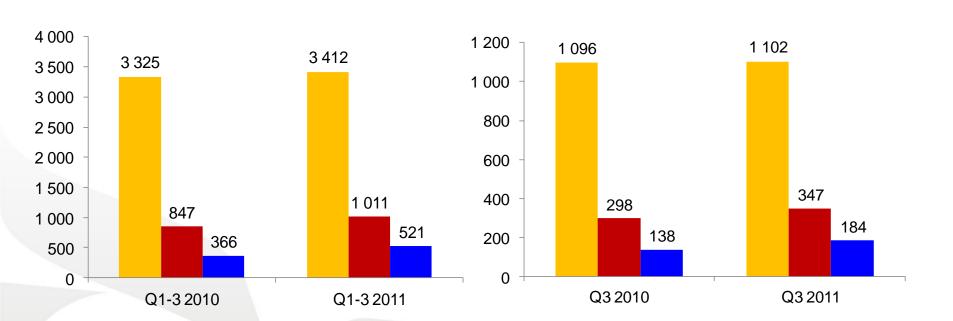
# Generation from renewable sources – key financial data





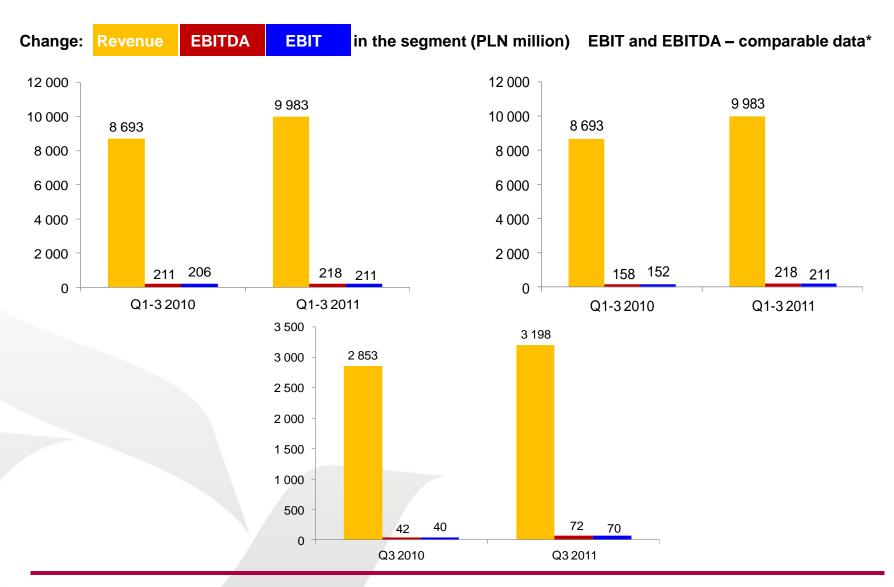
# Distribution – key financial data





# Supply – key financial data





<sup>\*</sup>Comparability of data was applied, considering EBIT for three quarters of 2010, evaluation of ownership rights from RES (PLN -53.1 million)

# Other – key financial data



