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## **Key events**



## TAURON Polska Energia – 2012

24 April	Ordinary General Meeting decided on dividend payout in the total amount of PLN 543m, which translates into PLN 0.31 per share
29 June	Agreement signed to increase the value of bond issue program by PLN 2.75bn
3 July	Agreement signed with European Investment Bank for a PLN 900m loan to be used on upgrade and development of TAURON Dystrybucja distribution grid
4 July	Frame agreement signed on exploration and extraction of shale gas
5 September	Letter of Intent signed on the purchase of shares in special purpose vehicle PGE EJ 1 established in order to construct and operate a nuclear power plant. Parties to the Letter of Intent are: TAURON Polska Energia, PGE Polska Grupa Energetyczna, KGHM Polska Miedź and ENEA
3 December	Construction of 450 MW gas-fired combined heat and power plant at Stalowa Wola launched, in cooperation with PGNiG
19 December	Letter of Intent signed with PGNiG on the construction of 400 MW CCGT unit at Elektrownia Łagisza

## **TAURON Polska Energia – latest events**

15 January	New Efficiency Improvement Program announced for 2013-2015, ultimate savings to reach approx. PLN 860m in total
24 January	Tender for the contractor of 910 MW unit at Jaworzno awarded to the Rafako S.A. – Mostostal Warszawa S.A. consortium

## Implementation of the CAPEX program



The CAPEX program is aimed at upgrading generation assets and cost-effectively increasing generation capacity located in the vicinity of TAURON Group's existing assets (*brownfield* projects)

Katowice – new CCGT unit (135 MW<sub>e</sub> / 90 MW<sub>s</sub>)

Blachownia – new CCGT unit (850 MW<sub>e</sub>)

ZEC Bielsko-Biała – new heat unit (50 MW<sub>e</sub> / 182 MW<sub>t</sub>)

Wind farms: 40 MW in Wicko and 100 MW in Marszewo

Stalowa Wola – new CCGT unit (450 MW<sub>a</sub>/ 240 MW<sub>s</sub>)

Stalowa Wola – boiler conversion to biomass burning (20 MW<sub>e</sub>)

Tychy – new CHP unit (50 MW<sub>e</sub> / 86 MW<sub>t</sub>)

Tychy – fluidized bed boiler conversion to biomass burning (40 MW<sub>e</sub>)

Jaworzno III – construction of biomass-fired fluidized bed boiler (50 MW<sub>e</sub> / 45 MW<sub>t</sub>)

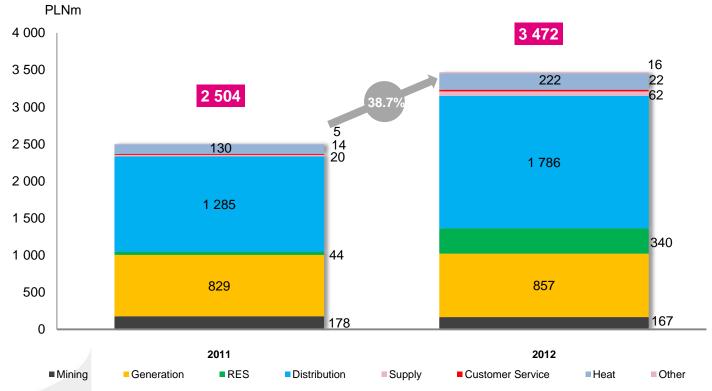
Jaworzno III – new coal-fired unit (910 MW<sub>e</sub>)

Łaziska – upgrade of boilers to comply with future nitrogen emission standards

Jaworzno III – upgrade of boilers to comply with future nitrogen emission standards

## **Capital expenditures**





- In 2012 TAURON Group's CAPEX amounted to almost PLN 3.5bn and was higher than in 2011 by almost 39%. This was mainly due
  to significant increase of investment in the Distribution, RES, Generation and Heat segments
- The main investment projects executed in 2012 include:
  - in Distribution: construction of new connections (capital expenditures: PLN 502m); upgrade and restoration of grid assets (capital expenditures: PLN 1 074m)
  - in Generation: construction of new and upgrade of existing generation units (capital expenditures: PLN 473m); construction of installations for No<sub>x</sub> emission reduction (capital expenditures: PLN 216m)
  - in Heat: capacity restoration (capital expenditures: PLN 121m); construction and upgrade of heat distribution grid (capital expenditures: approx. PLN 50m)
  - in RES: construction of wind farms (capital expenditures: PLN 310m)



# **Key operating data**

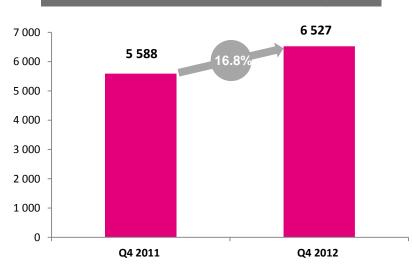


	Q4 2011	Q4 2012	Change	2011	2012	Change
Production of commercial coal (million t)	0.80	1.48	85%	4.58	5.57	21.6%
Electric energy generation (net production) (TWh)	5.08	5.02	-1.2%	21.38	19.11	-10.6%
Including: from renewable sources	0.22	0.30	36.4%	0.99	1.22	23.2%
Heat generation (PJ)	5.57	5.68	2%	15.96	16.36	2.5%
Distribution (TWh)	9.71	12.13	24.9%	38.24	47.85	25.1%
Electricity supply (TWh)	8.87	11.60	30.8%	35.52	44.74	26%
Number of customers - Distribution (thousand)	4,143	5,302	28%	4,143	5,302	28%

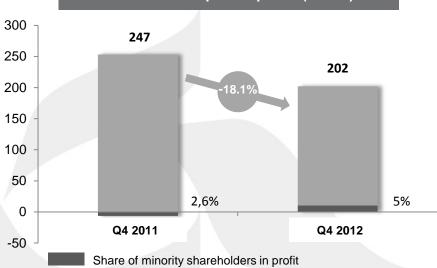
## Financial results for Q4 2012



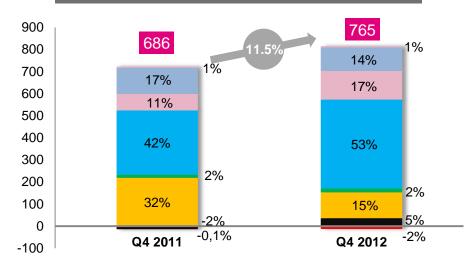
#### **TAURON Group's revenue (PLNm)**



### **TAURON** Group's net profit (PLNm)

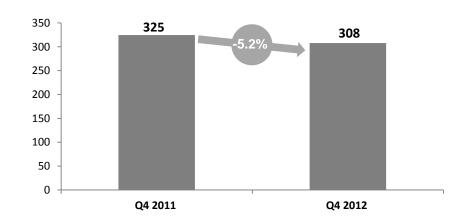


# TAURON Group's EBITDA per segment (PLNm); EBITDA structure



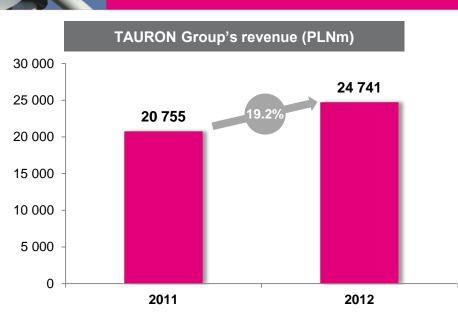


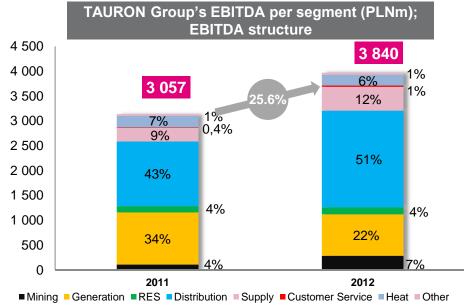
### **TAURON Group's EBIT (PLNm)**

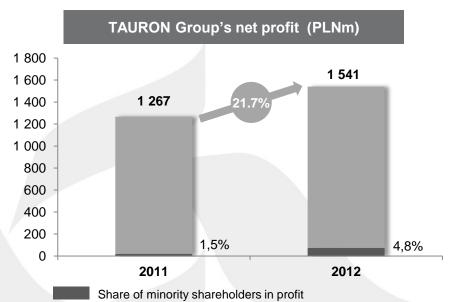


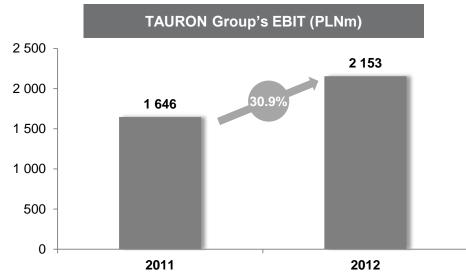
## Financial results for FY 2012







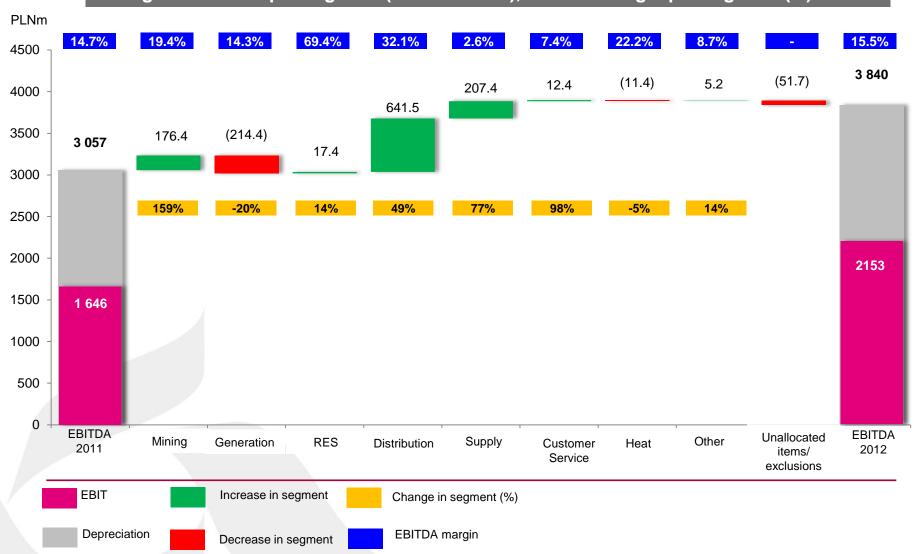




## **EBITDA - 2012**

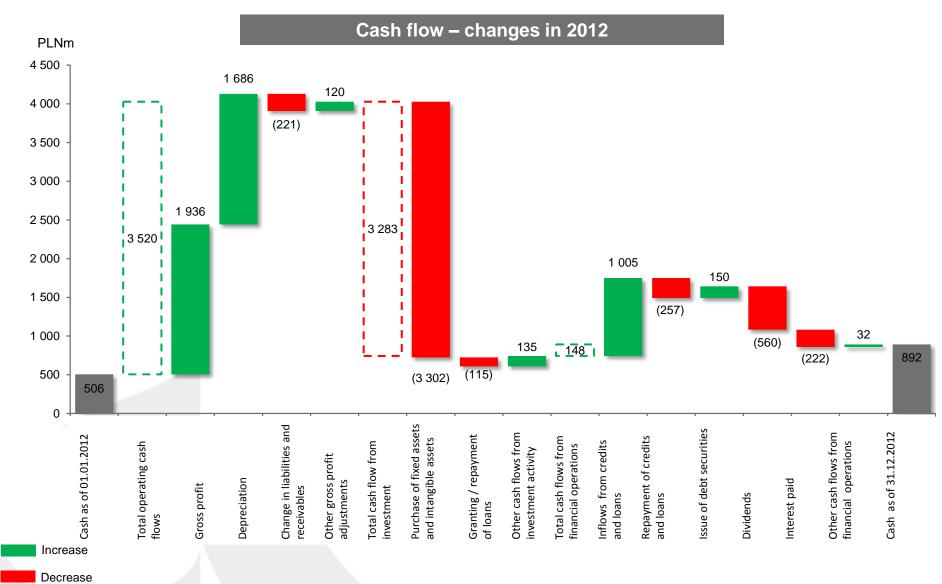


### Change in EBITDA per segment (PLN m and %), EBITDA margin per segment (%)



## **Cash flow changes**

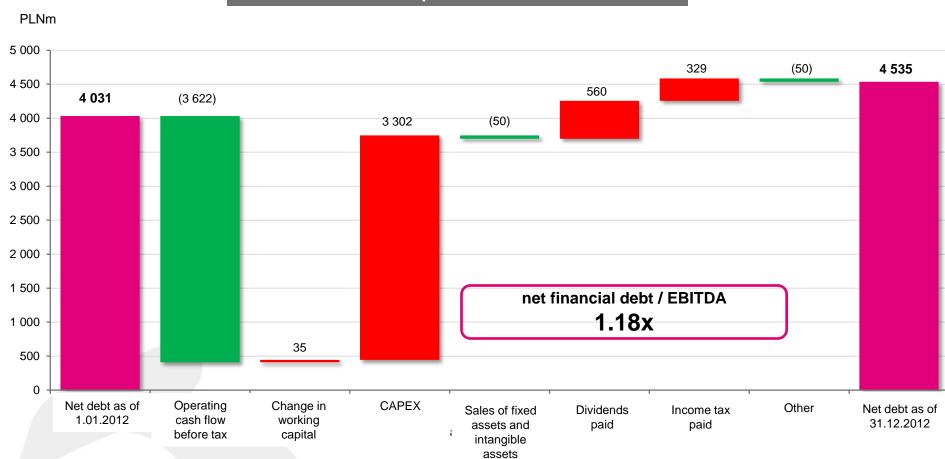




## **Group's debt level**



### Group's debt level



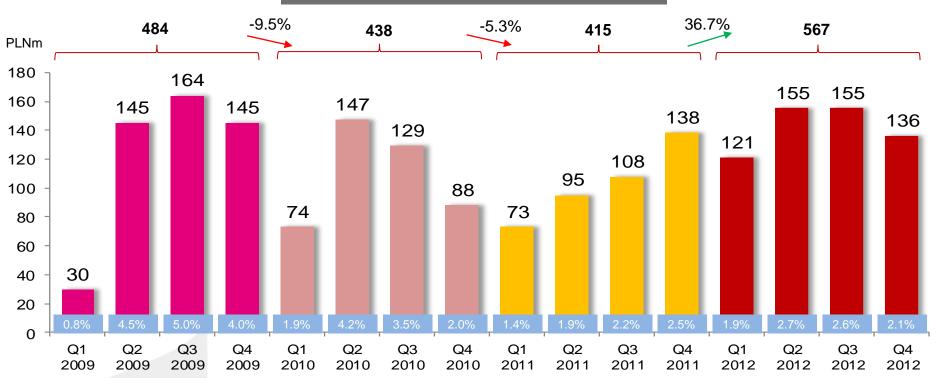
In 2012 net debt increased by approx. PLN 504m (among others, as a result of drawing new tranches of the loan from EIB, in the amount of PLN 960m)



# Compensation due to termination of Long-Term Contracts







XX%

Share of LTC in quarterly revenue

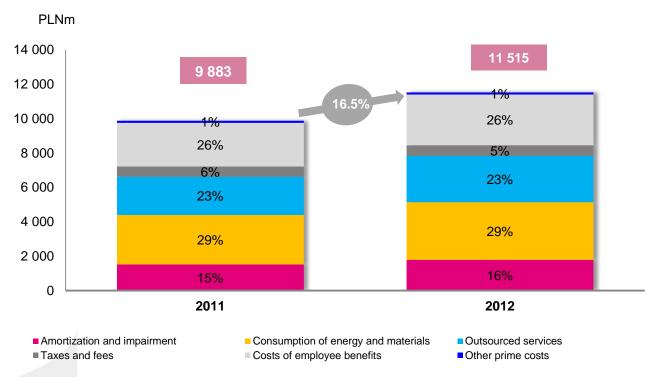
Revenue due to compensation consists of:

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



## **Prime cost structure**





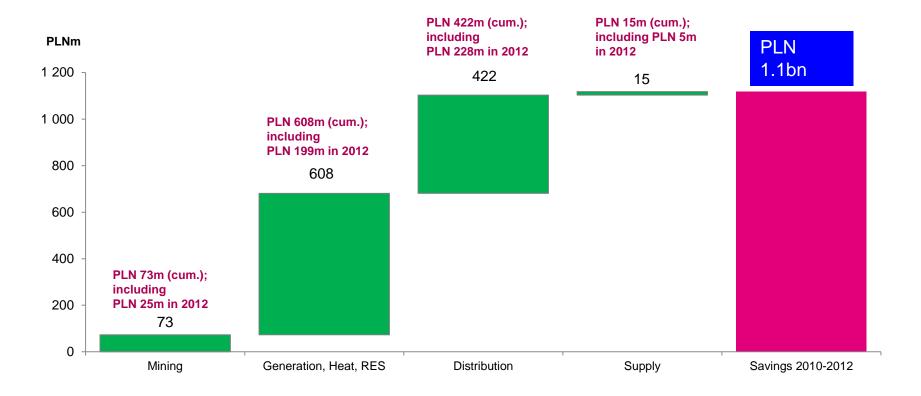
Cost increase in 2012 is mainly attributable to:

- consumption of energy and materials
- outsourced services, in particular due to higher costs of distribution services
- costs of employee benefits costs related to implementation of labour cost reduction programs for employees leaving the company voluntarily, also inclusion of the full year employment costs at GZE companies
- depreciation

In 2012 variable costs constituted approx. 37%, and fixed costs constituted approx. 63% of the total costs. Change in comparison to 2011 when variable costs constituted 46%, and fixed costs constituted 54% results from lower electricity generation (lower variable costs) and higher fixed costs due to the inclusion of GZE companies in 2012

## Efficiency improvement program





- Voluntary Redundancy Program: since the program's launch 3,048 persons enrolled, as of the end of 2012, out of which in 2012 employment contracts were terminated with 1,023 persons (in total, since program launch: 2,700 persons). Savings resulting from redundancies, decreased by costs incurred to generate savings, are included in the amounts presented per segment
- Having completed the first efficiency improvement program, TAURON Group has launched a similar program planned for 2013-2015, which should bring an approx. PLN 860m OPEX reduction. As a result of the the program's implementation the Group expects OPEX reduction in most segments with the biggest savings coming from Distribution and Generation.



## Key expansion and growth directions



## **TAURON Group – expansion and growth directions** Group's value increase **Fund raising** Acquiring funds from EIB on preferential Update of TAURON Group's corporate terms strategy Issue of bonds on the domestic market, addressed mainly to financial institutions Implementation of another efficiency Issue of Eurobonds after the second rating is improvement program assigned Acquiring funds on preferential terms/ Increased CAPEX, particularly in the subsidies from the EU funds and Generation segment environmental funds





## Thank you - Q&A



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# **Additional Information**







## **Electric energy market price trends**



### **Electric energy**

Platforms:
TGE, TFS, GFI,
GPW-POEE

**Forward BASE** (Y+Q+M)

Forward PEAK (Y+Q+M)

Forward (weighted average)

**SPOT** (TGE + GPW-POEE)

Total weighted average

Electric chargy					
2012		<b>2013</b> (until 26.02.2013)		2013/2012	
Price PLN/MWh	Volume GWh	Price PLN/MWh	Volume GWh	Price %	Volume %
200.08	139,358	189.64	123,432	- 5.2%	- 11.4%
225.56	17,161	208.56	12,883	- 7.5%	- 24.9%
202.88	156,519	191.43	136,316	- 5.6%	- 12.9%
173.58	20,388	<b>167.00</b> (Forecast)	<b>20,000</b> (Forecast)	- 3.8%	- 1.9%
199.50	176,907	188.30	156,316	- 5.6%	- 11.6%
	Price PLN/MWh 200.08 225.56 202.88 173.58	2012       Price PLN/MWh     Volume GWh       200.08     139,358       225.56     17,161       202.88     156,519       173.58     20,388	2012         2013           Price PLN/MWh         Volume GWh         Price PLN/MWh           200.08         139,358         189.64           225.56         17,161         208.56           202.88         156,519         191.43           173.58         20,388         167.00 (Forecast)	Price PLN/MWh         Volume GWh         Price PLN/MWh         Volume GWh           200.08         139,358         189.64         123,432           225.56         17,161         208.56         12,883           202.88         156,519         191.43         136,316           173.58         20,388         167.00 (Forecast)         20,000 (Forecast)	2012         2013 (until 26.02.2013)         2013           Price PLN/MWh         Volume GWh         Price PLN/MWh         Price GWh         Price GWh         Price PLN/MWh         Price GWh         **           200.08         139,358         189.64         123,432         -5.2%         -5.2%           225.56         17,161         208.56         12,883         -7.5%           202.88         156,519         191.43         136,316         -5.6%           173.58         20,388         167.00 (Forecast)         20,000 (Forecast)         -3.8%

### CO<sub>2</sub> emission allowances (EUR/t):

Survey of CO <sub>2</sub> market analysts*	Price (EUR/t)
Average in 2013	4 – 7 EUR/t
Average in 2014	9 – 11 EUR/t
Average in 2015	11 – 13 EUR/t
EUA average price in 2013 (TAURON forecast)	4 – 6 EUR/t

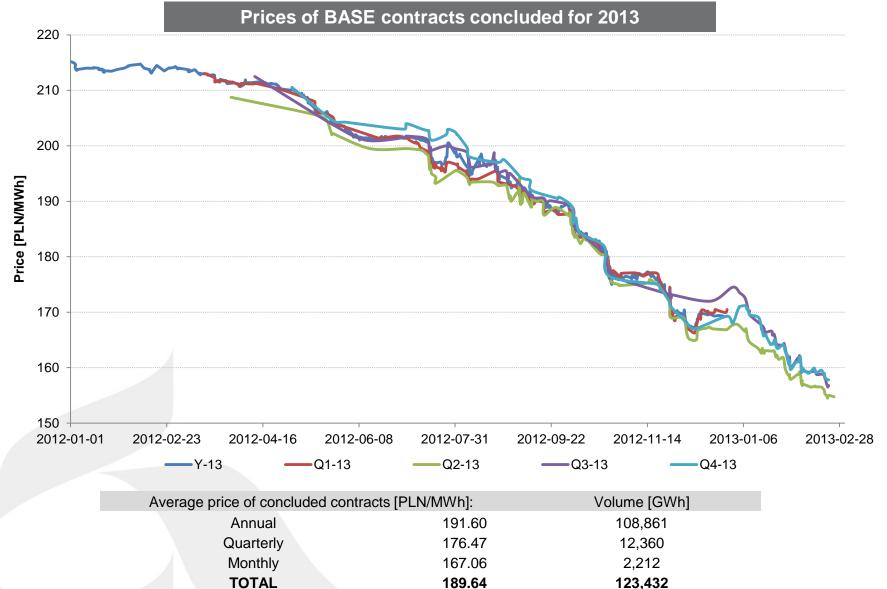
<sup>\*</sup>Source: Deutsche Bank, Barclays Capital, Point Carbon

### **Certificates (PLN/MWh)**

Type of certificate	Market prices (average in February 2013)	Substitution fee and obligation for 2013	
RES (green)	112.17	not announced (12.0%)	
Coal co-generation (red)	4.17	29.84 (not announced)	
Gas co-generation (yellow)	125.48	149.30 (not announced)	
Methane (violet)	58.74	60.00 (0.9%)	

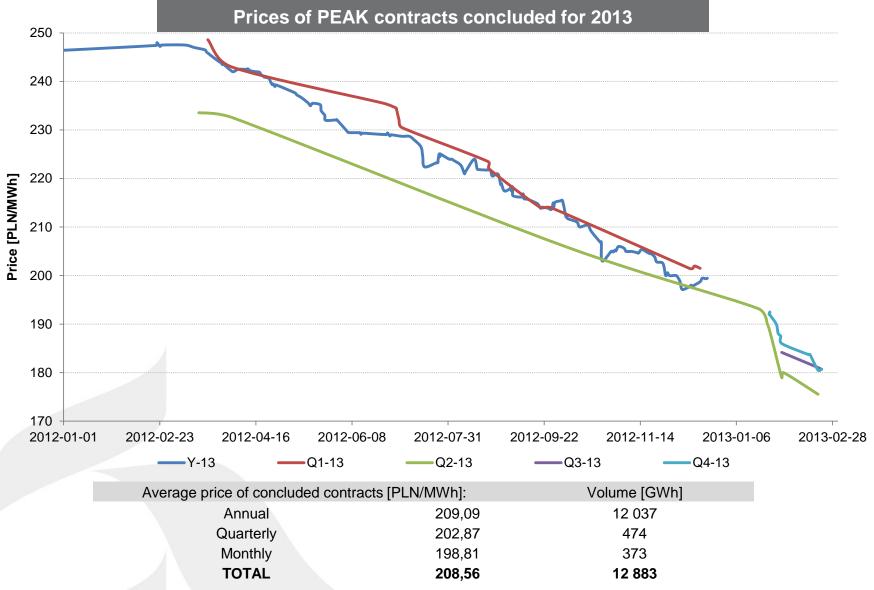
## **BASE** contracts for 2013





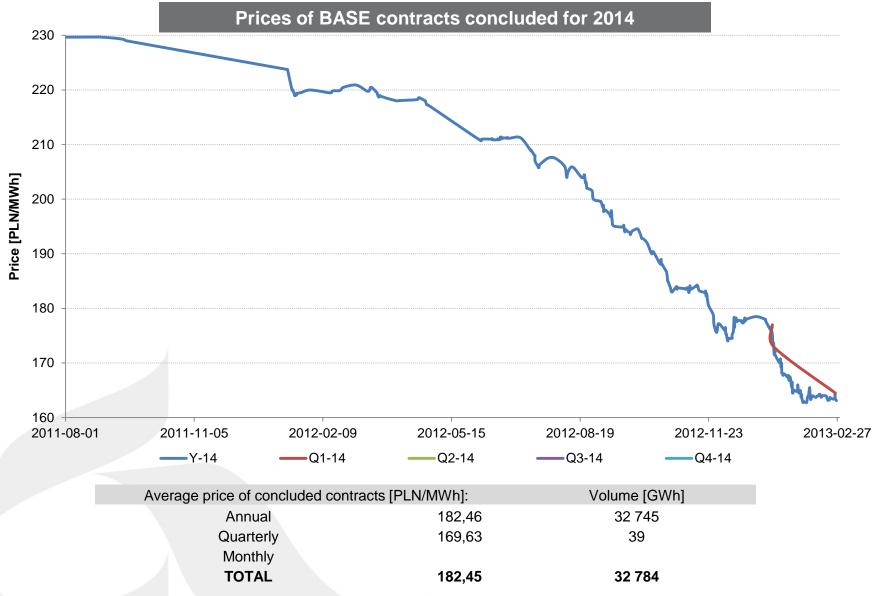
## **PEAK contracts for 2013**





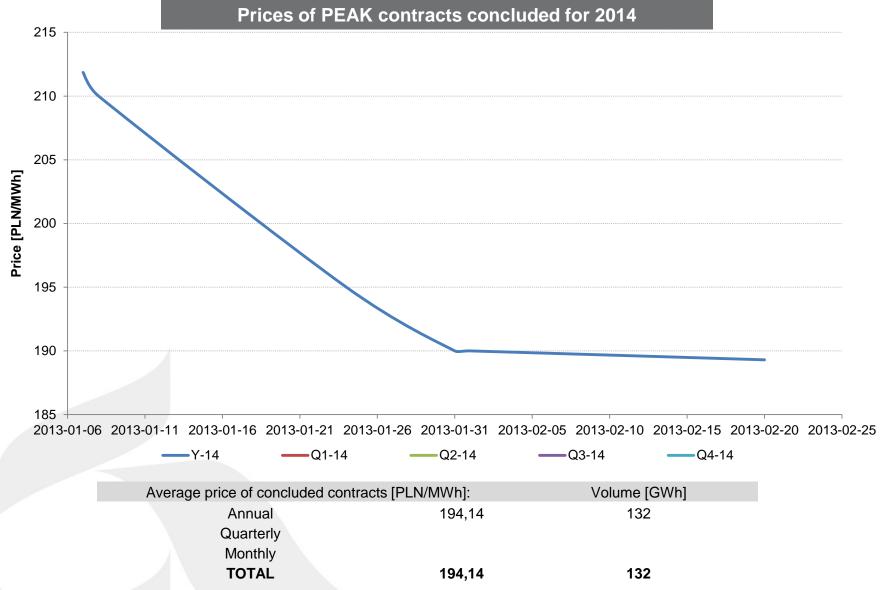
## **BASE** contracts for 2014





## **PEAK contracts for 2014**







## Implementation of the CAPEX program



#### ZEC Bielsko-Biała - new heat unit

- Capacity 50 MW<sub>e</sub> / 182 MW<sub>t</sub>
- Scheduled commissioning H1 2013

#### Status as of 31 December 2012:

Construction and assembly works are underway. General contractor: Polimex-Mostostal

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

Capacity – 50 MW<sub>e</sub> / 45 MW<sub>t</sub>

#### Status as of 31 December 2012:

 Construction works are completed. On 31 December 2012 the RES-based generation unit was commissioned

## Elektrownia Stalowa Wola – upgrade of K-10 boiler (biomass-fired)

- Capacity 20 MW<sub>e</sub>
- Scheduled commissioning Q1 2013

#### Status as of 31 December 2012:

Final construction and assembly works are underway.
 General contractor: Rafako

#### Elektrociepłownia Tychy - new CHP unit

- Capacity 50 MW<sub>a</sub> / 86 MW<sub>t</sub>
- Scheduled commissioning end of 2015

#### Status as of 31 December 2012:

Contractor selection for the new unit is underway

# Elektrociepłownia Tychy – upgrade of fluidized bed boiler (biomass-fired)

Capacity – 40 MW<sub>a</sub>

#### Status as of 31 December 2012:

- Biomass boiler construction:
  - Operation permit was obtained on 17 December 2012:, trial run is underway, contractor: Metso Power Oy
- Construction of biomass feeding system:
  - Construction works are underway, contractor:
     Mostostal Warszawa (commissioning H1 2013)
- WR 40 boiler construction:
  - Preparation of the installation for the warranty measurements, contractor: SEFAKO (commissioning – H1 2013)

## **Implementation of the CAPEX program (2)**



#### Elektrownia Stalowa Wola – new CCGT unit

- Capacity 450 MW<sub>e</sub> / 240 MW<sub>t</sub>
- Scheduled commissioning 2015

#### Status as of 31 December 2012:

General Contractor - Abener Energia

- Construction works have started
- Detailed design works are underway

#### Elektrociepłownia Katowice – new CCGT unit

- Capacity 135 MW<sub>e</sub> / 90 MW<sub>t</sub>
- Scheduled commissioning 2016

#### Status as of 31 December 2012:

Contractor selection is underway

#### Elektrownia Blachownia – new gas unit

- Capacity approx. 850 MW<sub>e</sub>
- Scheduled commissioning 2017

#### Status as of 31 December 2012:

 Terms of Reference – preliminary requirements for the tender for General Contractor of the unit are under preparation

#### Wind farm - Wicko

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

#### Status as of 31 December 2012:

General Contractor – consortium of Kraków-based Aldesa Nowa Energia and Madrid-based Aldesa Construcciones

- Engineering works are completed for access roads and assembly sites for 7 wind turbines
- 20 sets of components for anchoring towers to the foundation have been delivered to the site

#### Wind farm - Marszewo

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

### Status as of 31 December 2012:

- 20 foundations are completed, including access roads
- Works involving medium- and high-voltage grid are underway. Construction and assembly works at the Main Supply Station are completed – tests are underway

## **Implementation of CAPEX program (3)**



#### Elektrownia Jaworzno III – boilers' upgrade

- Scope upgrading six OP-650k type boilers to comply with the lower NO<sub>x</sub> emission standards to be binding in Poland from 2018
- Commencement of the works 2010; scheduled commissioning – 2016

#### Status as of 31 December 2012:

- Upgrades of units No. 2 and No. 4 are completed
- General contractor: consortium of Fortum Power and Heat (consortium leader) and Zakłady Remontowe Energetyki Katowice (consortium member)

#### Elektrownia Łaziska – boilers' upgrade

- Scope upgrading four OP-650k type boilers to comply with the lower NO<sub>x</sub> emission standards to be binding in Poland from 2018
- Commencement of the works 2010; scheduled commissioning – 2015

#### Status as of 31 December 2012:

- Works at unit No. 12 are completed
- Trial run at unit No. 11 is completed. Adjustment of the unit's installation is underway
- General contractor: STRABAG

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

- Capacity 910 MW<sub>e</sub>
- Scheduled commissioning 2018

#### Status as of 31 December 2012:

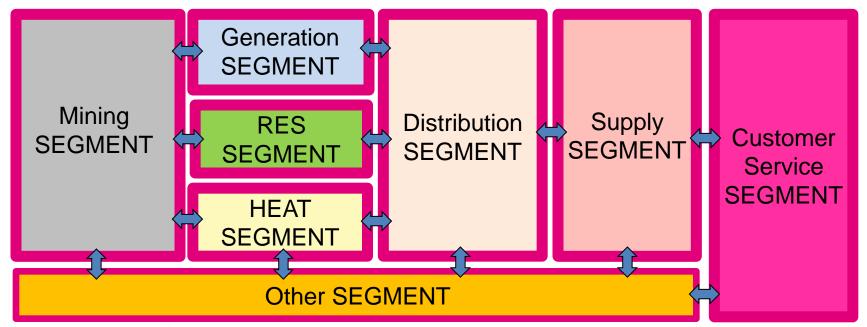
Selection of contractor and contract engineer is underway

#### Latest events:

On 24 January 2013 Tauron Wytwarzanie selected the offer of the Rafako and Mostostal Warszawa consortium as the winning bid in the tender for coal-fired unit at Jaworzno

## Reporting model





#### **Mining Segment:**

Południowy Koncern Weglowy

### **Generation Segment:**

TAURON Wytwarzanie

#### **RES Segment:**

TAURON Ekoenergia **BELS INVESTMENT MEGAWAT MARSZEWO** Lipniki

#### **Distribution Segment:**

TAURON Dystrybucia **TAURON Serwis GZE** 

#### **Supply Segment:**

TAURON Sprzedaż TAURON Sprzedaż GZE TAURON Polska Energia **TAURON Czech Energy** 

### **Customer Service Segmet:**

TAURON Obsługa Klienta TAURON Obsługa Klienta GZE\*

#### Other Segment:

Kopalnia Wapienia Czatkowice TAURON Ciepło PE-PKH

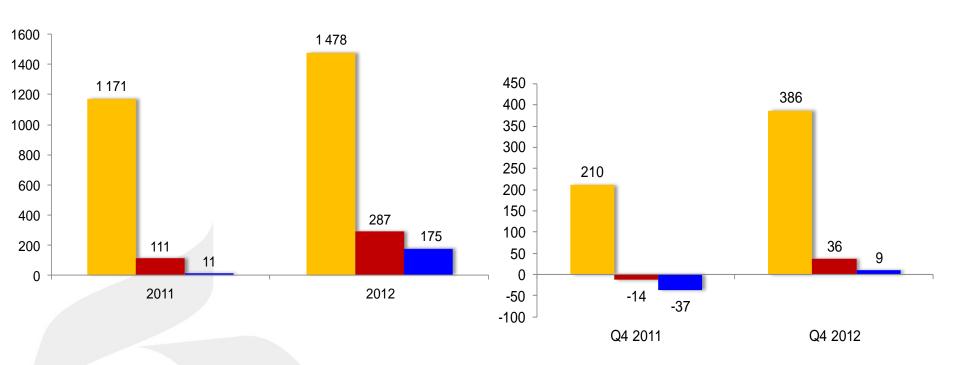
#### **Heat Segment:**

EC Tychy EC Nowa In Q1 2012 TAURON introduced the new reporting model dividing the Group's operations into eight segments

<sup>\*</sup> Merger of TAURON Obsługa Klienta and TAURON Obsługa Klienta GZE took place on 31 January 2013 - after the reported period

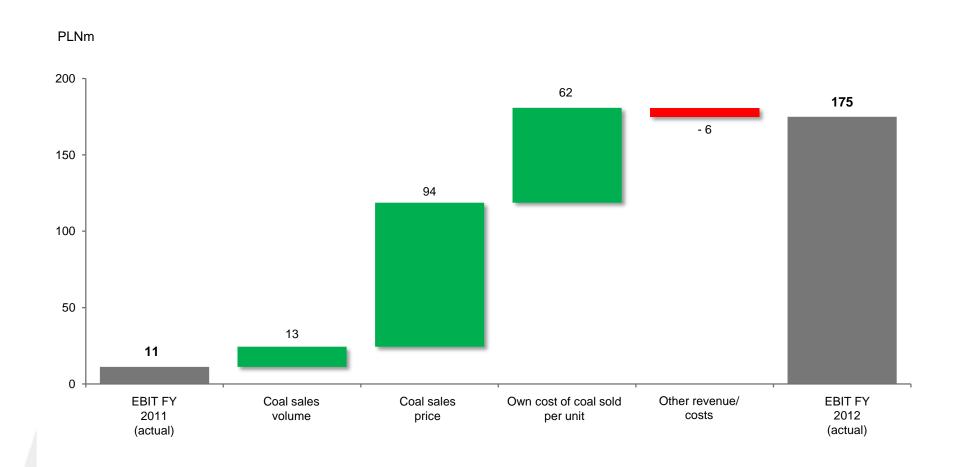
# Mining – key financial data





# Mining – EBIT bridge





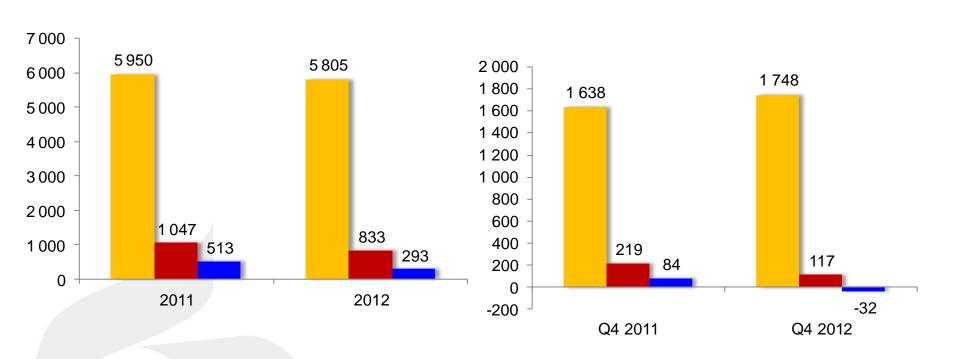
Decrease

Increase



# **Generation from conventional sources – key financial data**



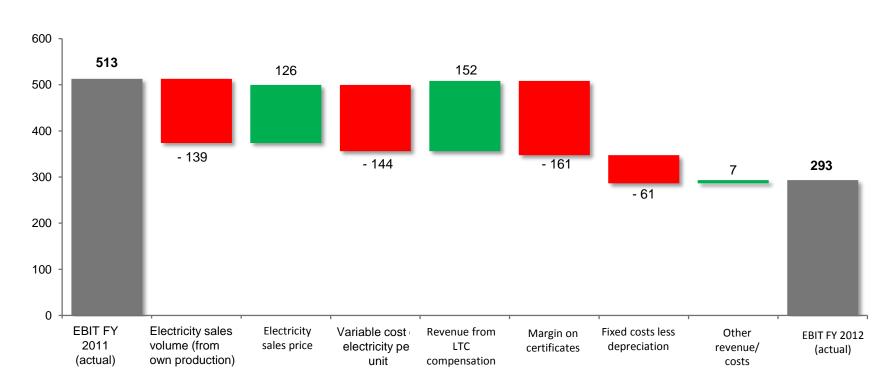




# **Generation from conventional sources – EBIT bridge**



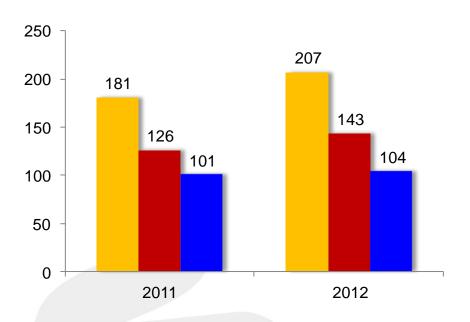
PLNm

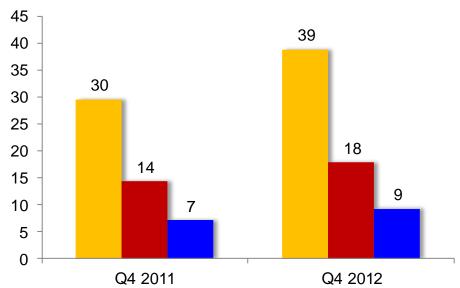




## **Generation from RES – key financial data**

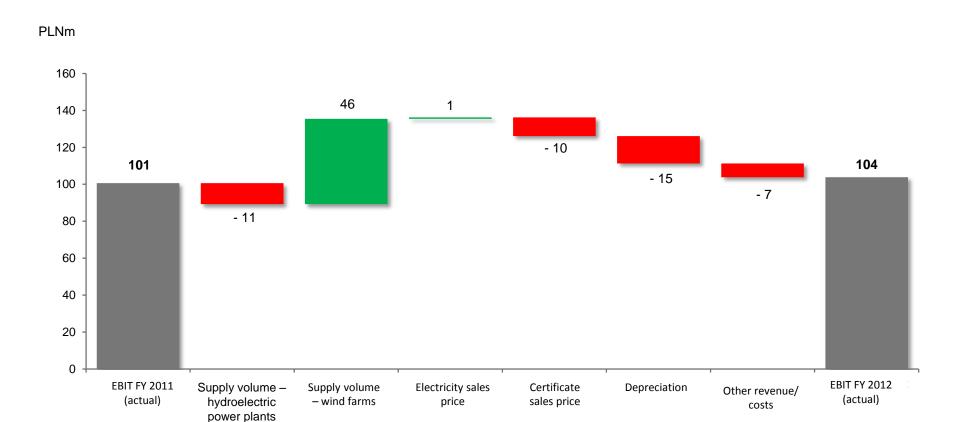






# RES – EBIT bridge

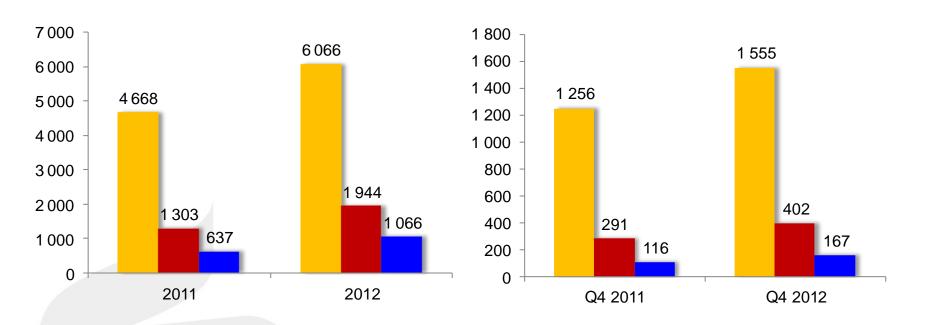






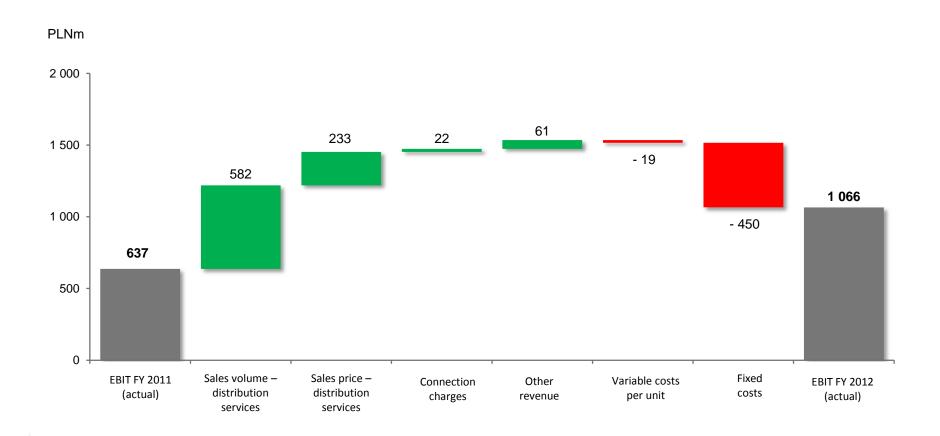
## **Dinstribution – key financial data**





## **Distribution – EBIT bridge**

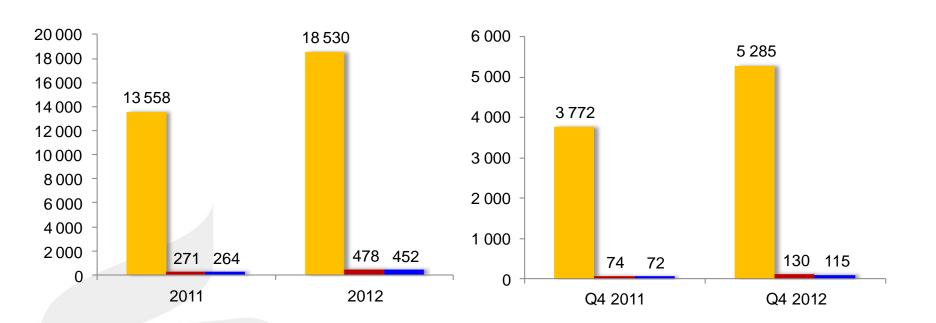






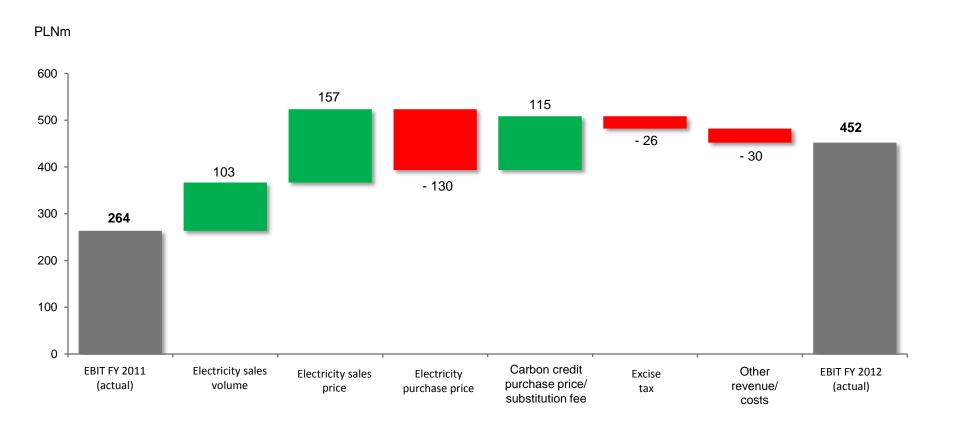
## **Supply – key financial data**





## **Supply – EBIT bridge**

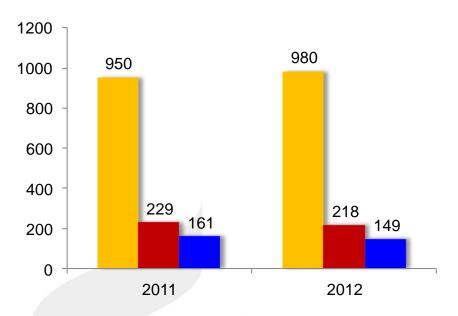


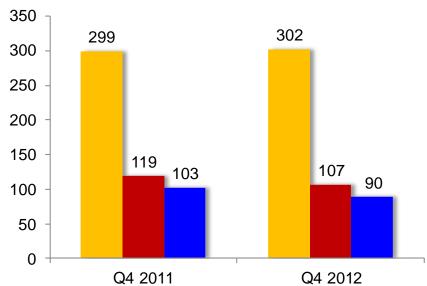




## **Heat – key financial data**



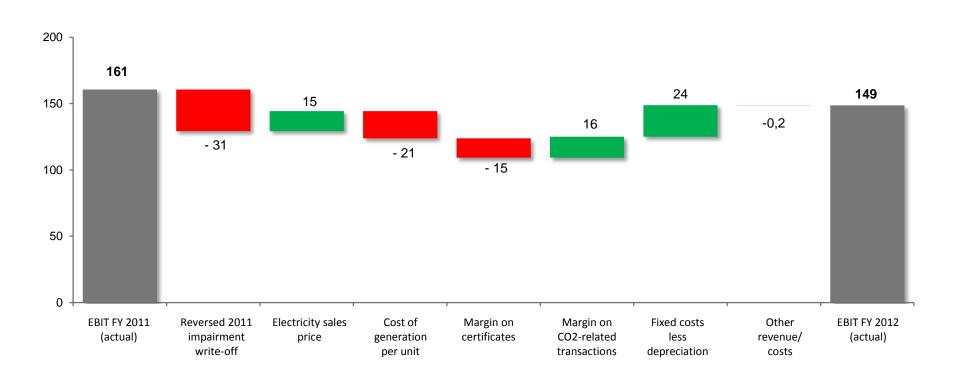




# **Heat – EBIT bridge**



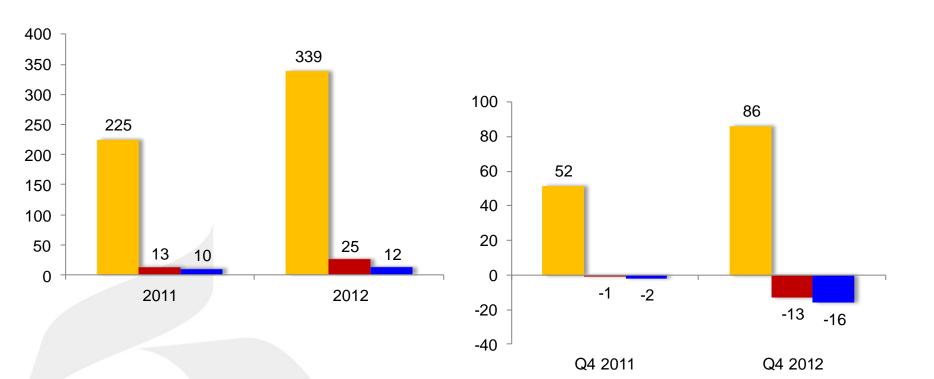
PLMm





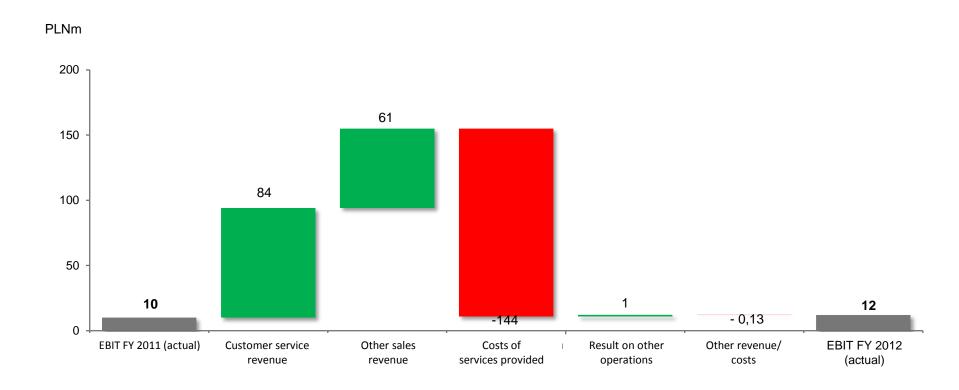
## **Customer Service – key financial data**





## **Customer service – EBIT bridge**







## Other – key financial data



