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## **Key events**



## **TAURON Polska Energia – Q1 2013 and recent events**

TAURON Group's Efficiency Improvement Program for 2013-2015 launched  Offer of consortium: RAFAKO and MOSTOSTAL WARSZAWA selected for construction of 910 MW coal-fired unit at Jaworzno III power plant  March  3-year long contract for hard coal supply signed with Kompania Węglowa. Estimated value of the contract from 2013 to 2015 is approx. PLN 2.4bn  Letter of Intent signed with Polska Telefonia Cyfrowa (T-Mobile) for strategic cooperation. The goal of the cooperation is to introduce new solutions (in terms of both, products and technologies) for telecommunication and energy markets  Polish Appeals' Chamber dismissed appeals against decision of TAURON Wytwarzanie S.A. concerning selection of contractor for construction of the unit at Jaworzno III power plant  Management Read issued recommendation on dividend payout in the amount of PLN 262 882 400 10 from		
unit at Jaworzno III power plant  3-year long contract for hard coal supply signed with Kompania Węglowa. Estimated value of the contract from 2013 to 2015 is approx. PLN 2.4bn  Letter of Intent signed with Polska Telefonia Cyfrowa (T-Mobile) for strategic cooperation. The goal of the cooperation is to introduce new solutions (in terms of both, products and technologies) for telecommunication and energy markets  Polish Appeals' Chamber dismissed appeals against decision of TAURON Wytwarzanie S.A. concerning selection of contractor for construction of the unit at Jaworzno III power plant	15 January	TAURON Group's Efficiency Improvement Program for 2013-2015 launched
from 2013 to 2015 is approx. PLN 2.4bn  Letter of Intent signed with Polska Telefonia Cyfrowa (T-Mobile) for strategic cooperation. The goal of the cooperation is to introduce new solutions (in terms of both, products and technologies) for telecommunication and energy markets  Polish Appeals' Chamber dismissed appeals against decision of TAURON Wytwarzanie S.A. concerning selection of contractor for construction of the unit at Jaworzno III power plant	24 January	
cooperation is to introduce new solutions (in terms of both, products and technologies) for telecommunication and energy markets  25 March  Polish Appeals' Chamber dismissed appeals against decision of TAURON Wytwarzanie S.A. concerning selection of contractor for construction of the unit at Jaworzno III power plant	1 March	
selection of contractor for construction of the unit at Jaworzno III power plant	15 March	cooperation is to introduce new solutions (in terms of both, products and technologies) for telecommunication
11 April Management Reard issued recommendation on dividend payout in the amount of PLN 262 992 400 10 from	25 March	
net profit for the financial year 2012 attributable to the Company's shareholders (PLN 0.15 per share). On 17  April the Supervisory Board approved of the Management Board's recommendation	11 April	
18 April Ordinary General Meeting convened for 16 May 2013	18 April	Ordinary General Meeting convened for 16 May 2013

## **Energy market – Q1 2013 and recent events**

4 April	President of Energy Regulatory Office adopted the model and method for calculation and recognizing WACC in heat tariffs for the years 203-2015
5 April	PGE decided to quit construction of unit at Opole power plant
16 April	European Parliament rejected proposal of the European Commission for so-called backloading, i.e. rescheduling auctions for 900m CO <sub>2</sub> emission allowances after 2013

## **Implementation of 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>t</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>e</sub> / 240 MW<sub>t</sub>)

Stalowa Wola – boiler conversion to biomass burning (20 MW<sub>e</sub>) Investment commissioned in Q1 2013

Tychy – new CHP unit (50  $\mathrm{MW_e}$  / 86  $\mathrm{MW_t}$ )

Tychy – fluidized bed boiler conversion to biomass burning (40 MW<sub>e</sub>) Investment commissioned in Q1 2013

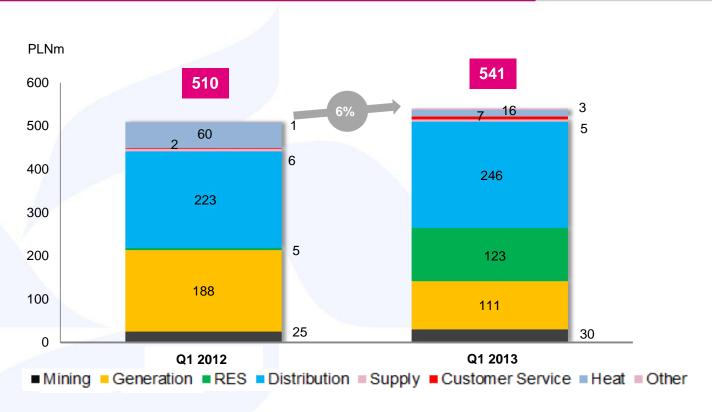
Jaworzno III – new coal-fired unit (910 MW<sub>e</sub>)

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**





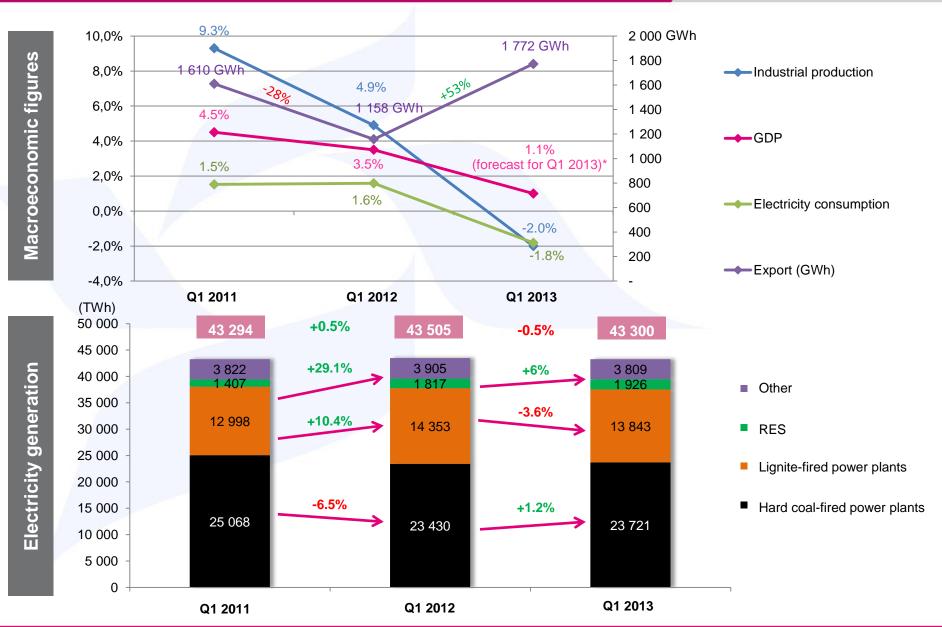
After Q1 2013 TAURON Group's CAPEX amounted to PLN 541m and was higher than in comparable period last year by approx. 6% (PLN 510m after Q1 2012). This was mainly due to increase of investments in Distribution and RES Segments.

The main investment projects executed in Q1 2013 included:

- construction of new generation assets (capital expenditures: PLN 48m) and construction of installations for No<sub>x</sub> emission reduction (capital expenditures: PLN 45m) in Generation
- construction of wind farms: Marszewo and Wicko (capital expenditures: PLN 108m) in RES
- construction of new connections (capital expenditures: PLN 78m); upgrade and restoration of grid assets (capital expenditures: PLN 147m) in Distribution

## **Macroeconomic and market figures**





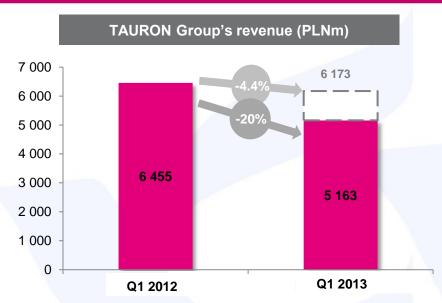
# **Key operating data**



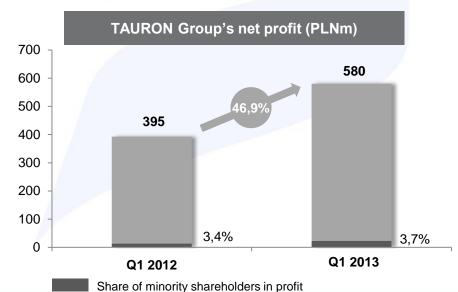
	Q1 2012	Q1 2013	Change
Production of commercial coal (million t)	1.21	1.52	25.6%
Electricity generation (net production) (TWh)	4.98	5.15	3.4%
including: from renewable sources	0.30	0,28	-6.7%
Heat generation (PJ)	7.80	7.70	-1.3%
Distribution (TWh)	12.70	12.42	-2.2%
Electricity supply (TWh)	11.89	10.93	-8.1%
Number of customers – Distribution (thousand)	5 284	5 307	+23 thousand

## Financial results for Q1 2013

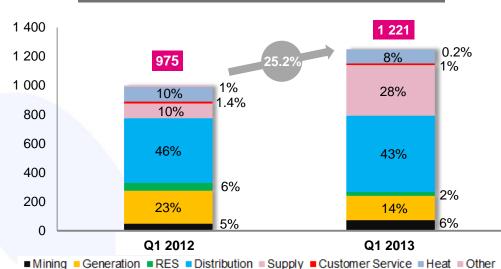


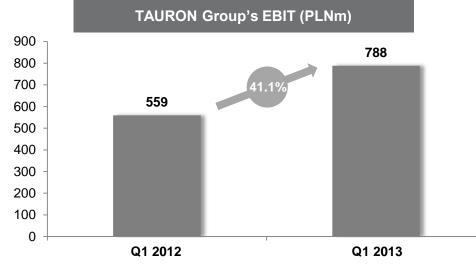


- - - Comparable sales level (including: revenue from LTC and sale of 100% generated electricity through power exchange, similar to Q1 2012)



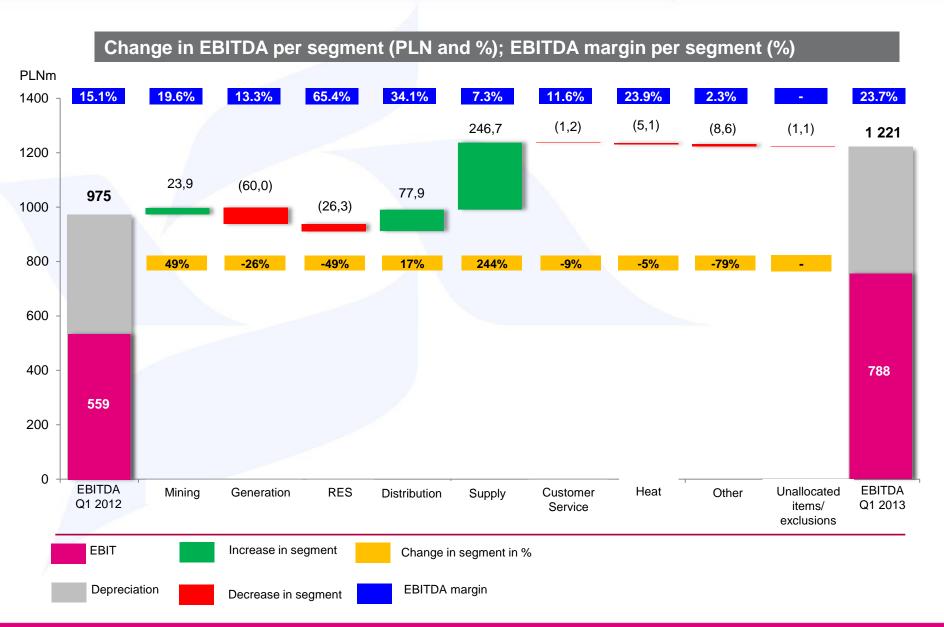
# TAURON Group's EBITDA per segment (PLNm); EBITDA structure





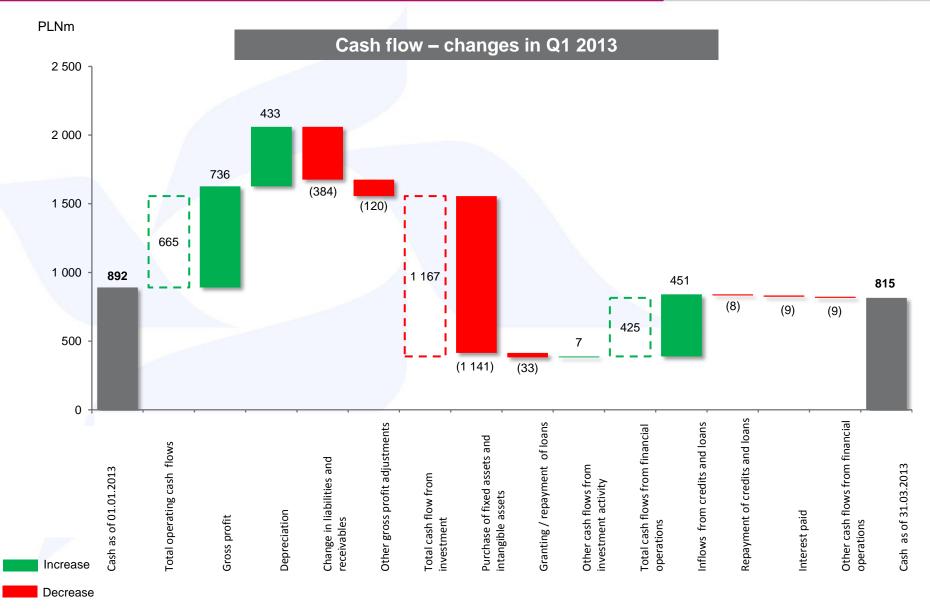
## **EBITDA - Q1 2013**





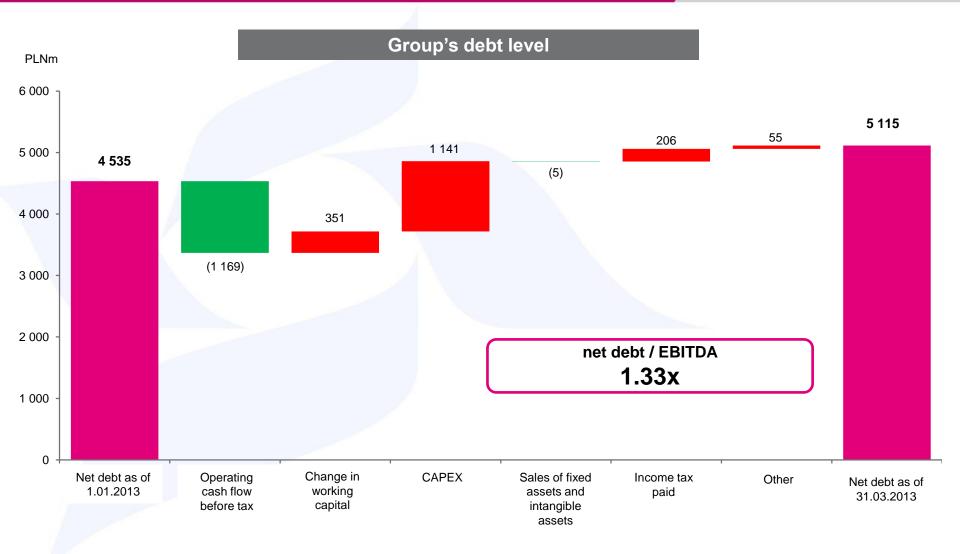
## Cash flow changes





## **Group's debt level**

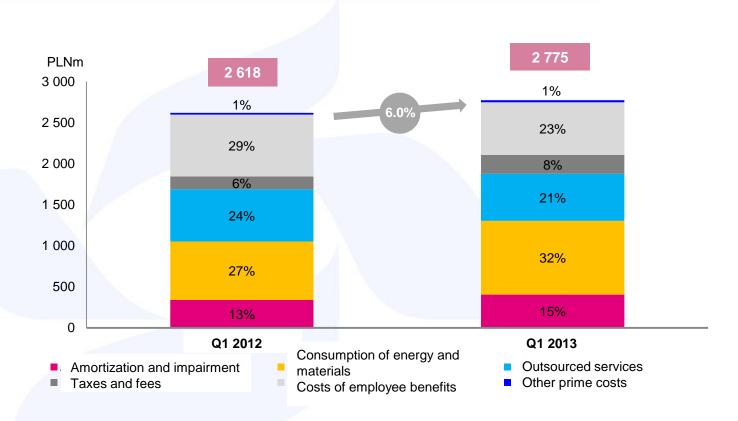




In Q1 2013 net debt increased by approx. PLN 570m (among others, as a result of drawing new tranches of the loan from EIB in the amount of PLN 542m)

### **Prime cost structure**





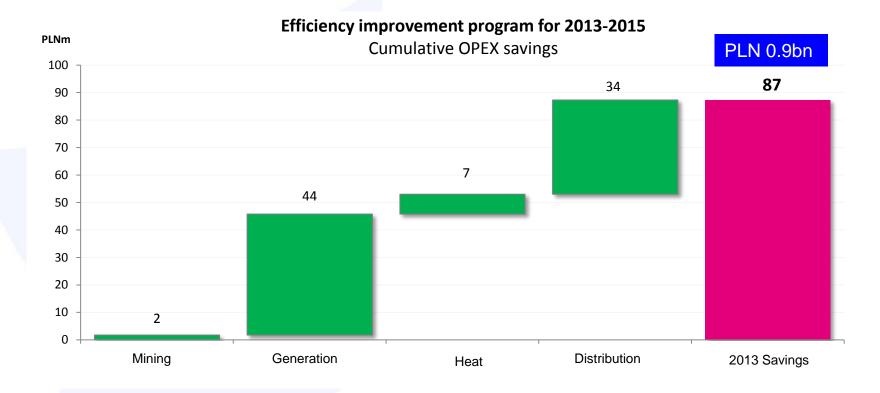
Cost increase in Q1 2013 is mainly attributable to:

- consumption of energy and materials
- taxes and fees cost of provision set up in Q1 2013 for CO<sub>2</sub> emission allowances
- depreciation

In Q1 2013 variable costs (excluding the value of goods and materials sold) constituted approx. 37% and fixed costs constituted approx. 63% of the total costs. Change in comparison to Q1 2012 when variable costs constituted 46% and fixed costs constituted 54% results from lower variable costs of Generation and Heat (lower fuel costs) and Distribution (lower costs of transmission fee)

## **Efficiency improvement program**

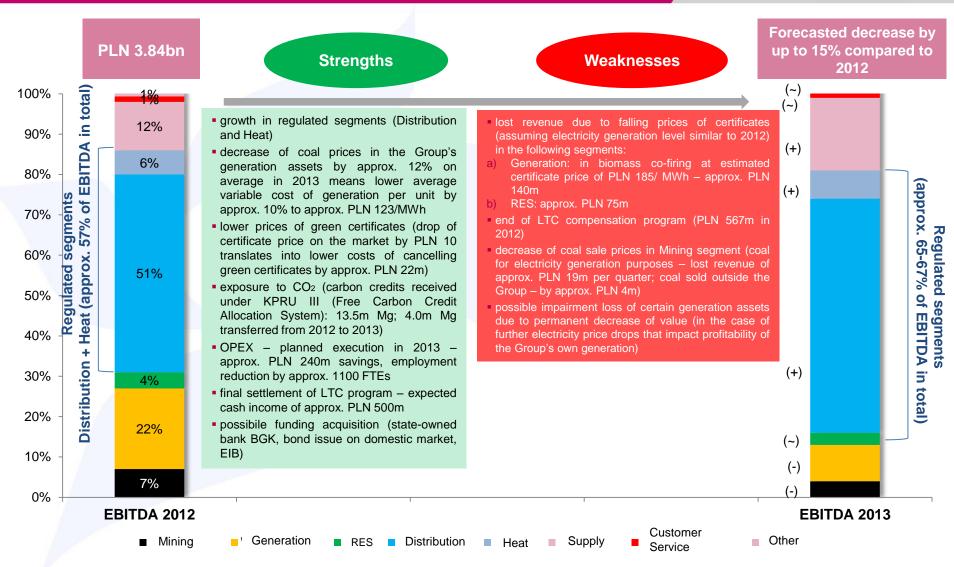




- Voluntary Redundancy Program: since the program's launch 89 persons enrolled, as of the end of Q1 2013. Over that period employment contracts were terminated with 297 persons. Savings resulting from redundancies, decreased by costs incurred to generate those savings, are included in the amounts presented 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 program implementation the Group expects OPEX reduction in most segments with the biggest savings coming from Distribution and Generation.

## **Outlook for 2013 (1)**

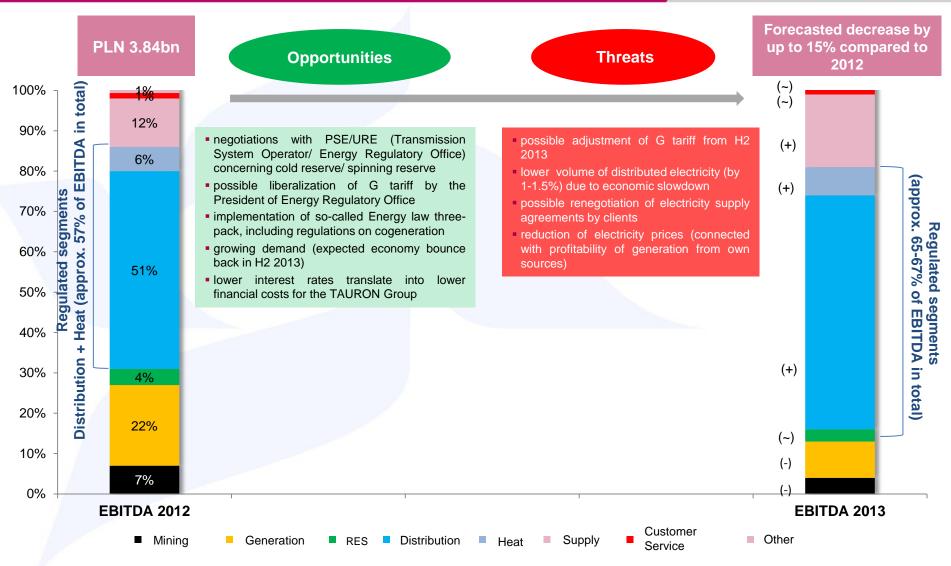




- (+) forecasted increase in segment
- (-) forecasted decrease in segment
- (~) forecasted stability in segment

## **Outlook for 2013 (2)**





- (+) forecasted increase in segment
- (-) forecasted decrease in segment
- (~) forecasted stability in segment





## Thank you – Q&A



#### **Investor Relations**

Marcin Lauer <a href="marcin.lauer@tauron-pe.pl">marcin.lauer@tauron-pe.pl</a> tel. + 48 32 774 27 06

Paweł Gaworzyński pawel.gaworzynski@tauron-pe.pl tel. + 48 32 774 25 34

Magdalena Wilczek <a href="magdalena.wilczek@tauron-pe.pl">magdalena.wilczek@tauron-pe.pl</a> tel. + 48 32 774 25 38







# **Additional Information**





## **Electric energy market price trends**



Ele	ect	ric	; е	ne	rg	y

Platforms: TGE, TFS, GFI, GPW-POEE			
Forward BASE (Y+Q+M)			
Forward PEAK (Y+Q+M)			
Forward (weighted average)			
SPOT (TGE + GPW-POEE)			

37					
2012		<b>2013</b> (until 17.04.2013)		2013/2012	
Price PLN/MWh	Volume GWh	Price PLN/MWh	Volume GWh	Price %	Volume %
200.08	139 358	188.37	127 764	- 5.9%	- 8.4%
225.56	17 161	207.35	13 377	- 8.1%	- 22.1%
202.88	156 519	190.17	141 140	- 6.3%	- 9.8%
173.58	20 388	155.00 (Forecast)	21 000 (Forecast)	- 10.7%	+ 3%
199.50	176 907	185.62	162 140	- 7.0%	- 8.3%

Methane (violet)

Total weighted average

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

Survey of CO <sub>2</sub> market analysts*	Price (EUR/t)
Average in 2013	2 – 5 EUR/t
Average in 2014	5 – 9 EUR/t
Average in 2015	6 – 10 EUR/t
EUA average price in 2013 (TAURON forecast)	2 – 4 EUR/t

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

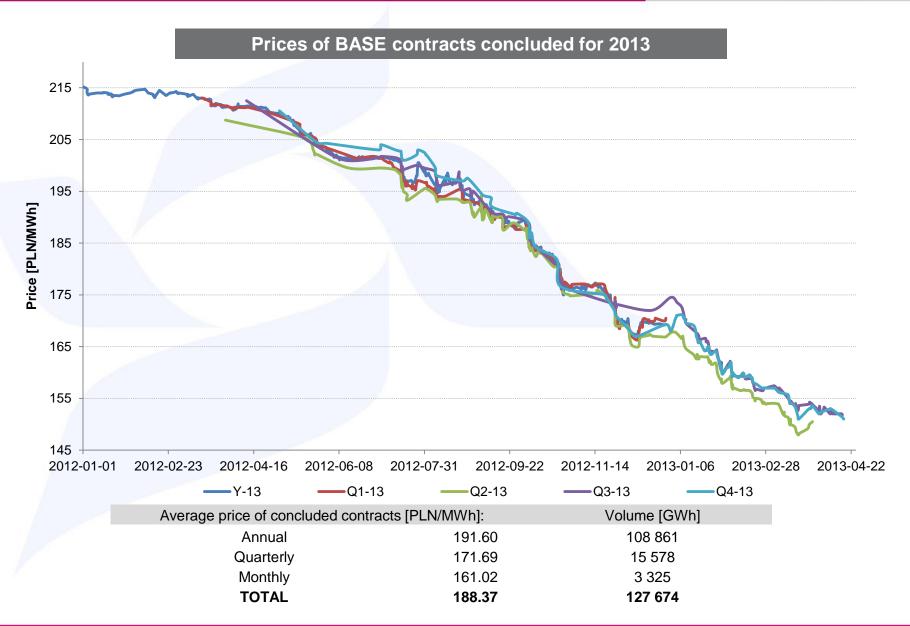
#### **Certificates (PLN/MWh) Market prices Substitution fee** Type of and obligation for certificate **April 2013)** 120.06 297.35 (12.0%) **RES** (green) **Coal co-generation** 29.84 (not 0.84 (red) announced) Gas co-generation 149.30 (not 44.44 (yellow) announced)

58.00

60.00 (0.9%)

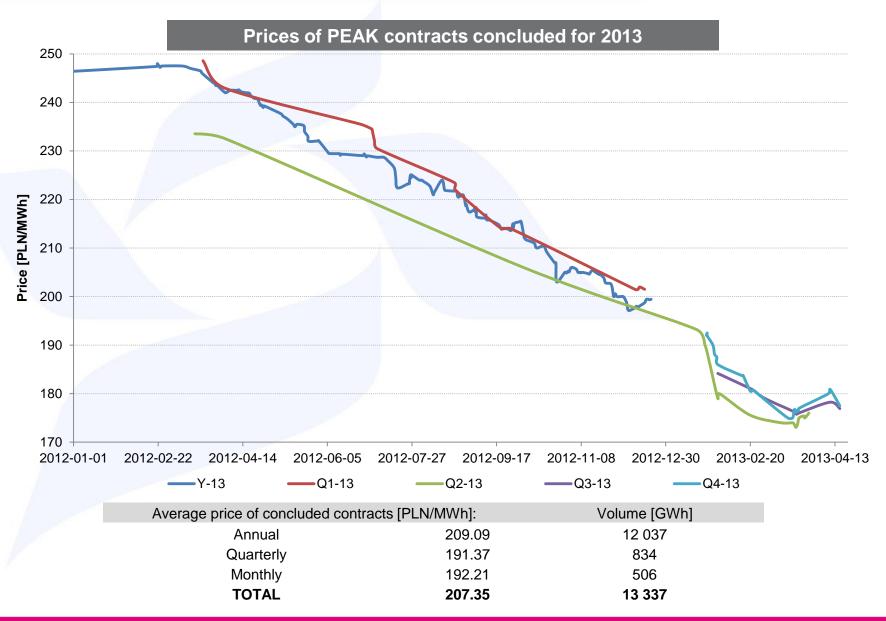
## **BASE** contracts for 2013





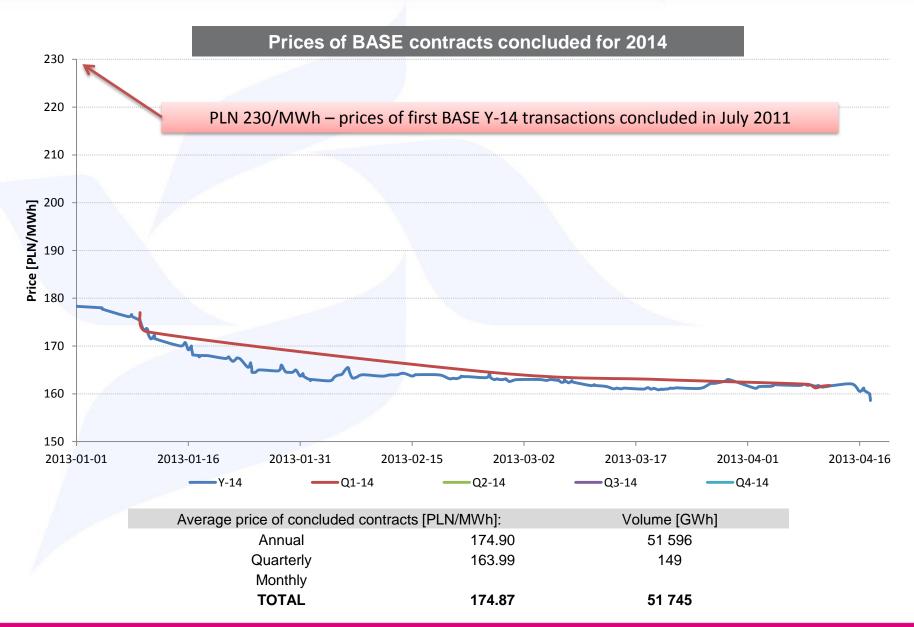
## **PEAK contracts for 2013**





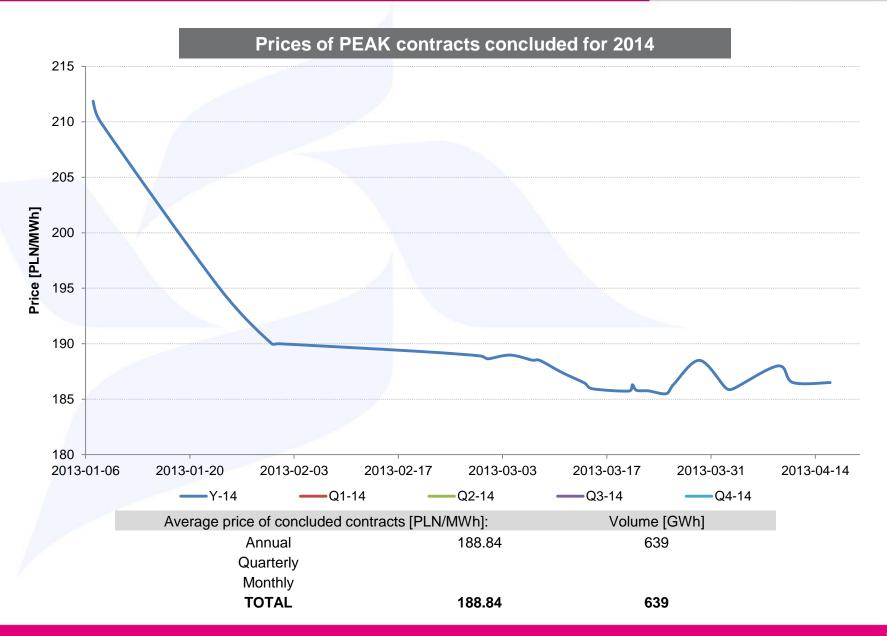
## **BASE** contracts for 2014





## **PEAK contracts for 2014**





## Implementation of 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 March 2013:

15 March – adjustment completed, trial run commenced.
 General Contractor: Polimex-Mostostal

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

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

#### Status as of 31 March 2013:

 28 March – K-10 boiler was commissioned. General Contractor: Rafako

#### Wind farm - Wicko

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

#### Status as of 31 March 2013:

General Contractor – Consortium: Kraków-based Aldesa Nowa Energia and Madrid-based Aldesa Construcciones

- Engineering works are completed for access roads and assembly sites for 12 wind turbines
- Production of gondolas, towers and blades for 20 wind turbines

#### Elektrociepłownia Tychy – new CHP unit

- Capacity 50 MW<sub>e</sub> / 86 MW<sub>t</sub>
- Scheduled commissioning H1 2016

#### Status as of 31 March 2013:

Contractor selection for the new unit is underway

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

Capacity – 40 MW<sub>e</sub>

#### Status as of 31 March 2013:

- biomass boiler construction:
  - 15 February licence for energy generation granted by the Energy Regulatory Office, 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 installation for warranty measurements, trial operation underway, contractor: SEFAKO (commissioning – H1 2013)

## **Implementation of 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 March 2013:

General Contractor - Abener Energia

- Construction works have started
- Detailed design works are completed: for the river bar on San river and foundations of the main buildings. Works on remaining detailed designs are underway

#### Wind farm - Marszewo

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

#### Status as of 31 March 2013:

- Finish works and tests of the Main Supply Station are underway
- Works involving medium-voltage grid have been completed and commissioned
- Wind turbine assembly underway (33 out of 41 turbines have been assembled)

#### Elektrociepłownia Katowice – new CCGT unit

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

#### Status as of 31 March 2013:

- Contractor selection is underway
- 5 March final Terms of Reference and invitations to submit final offers were sent

#### Elektrownia Blachownia - new gas unit

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

#### Status as of 31 March 2013:

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

## **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 March 2013:

- Upgrade of units No. 2 and No. 4 is completed. Works on unit No. 6 have commenced
- 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 March 2013:

- Works at units No. 12 and No. 11 are completed
- Warranty measurements at unit No. 11 are underway
- General contractor: STRABAG

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

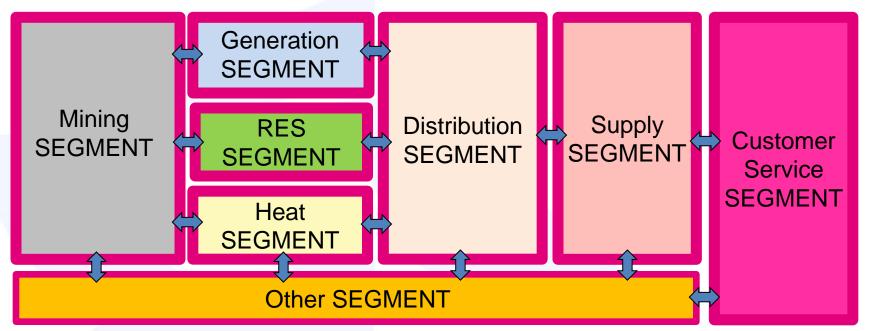
- Capacity 910 MW<sub>e</sub>
- Scheduled commissioning 2018

#### Status as of 31 March 2013:

- 24 January TAURON Wytwarzanie selected the offer submitted by consortium of Rafako and Mostostal Warszawa as the winning bid in the tender for construction of the unit at Jaworzno
- 25 March Polish Appeals Chamber dismissed appeals filed by consortium: SNC-Lavalin Polska, SNC-Lavalin Inc. And Hitachi Power Europe GmbH and consortium: China National Electric Engineering and China Overseas Engineering Group

## 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 Segment:**

TAURON Obsługa Klienta

#### Other Segment:

Kopalnia Wapienia Czatkowice TAURON Ciepło PE-PKH

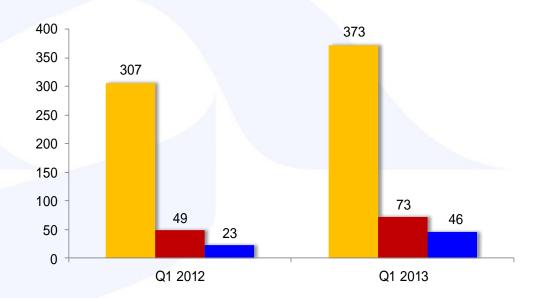
#### **Heat Segment:**

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

# Mining – key financial data



Change of: Revenue EBITDA EBIT in the segment (in PLNm)

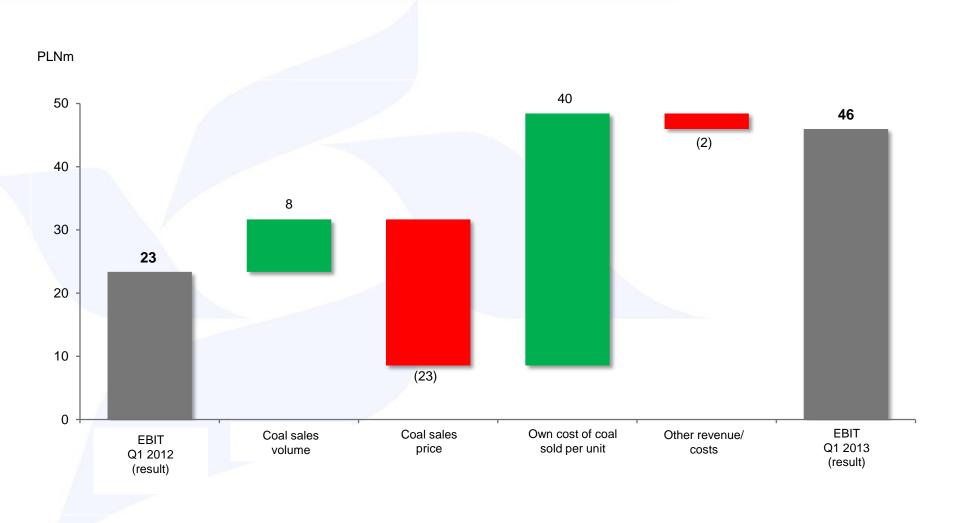


# Mining – EBIT bridge

Increase

Decrease





# Generation from conventional sources – key financial data

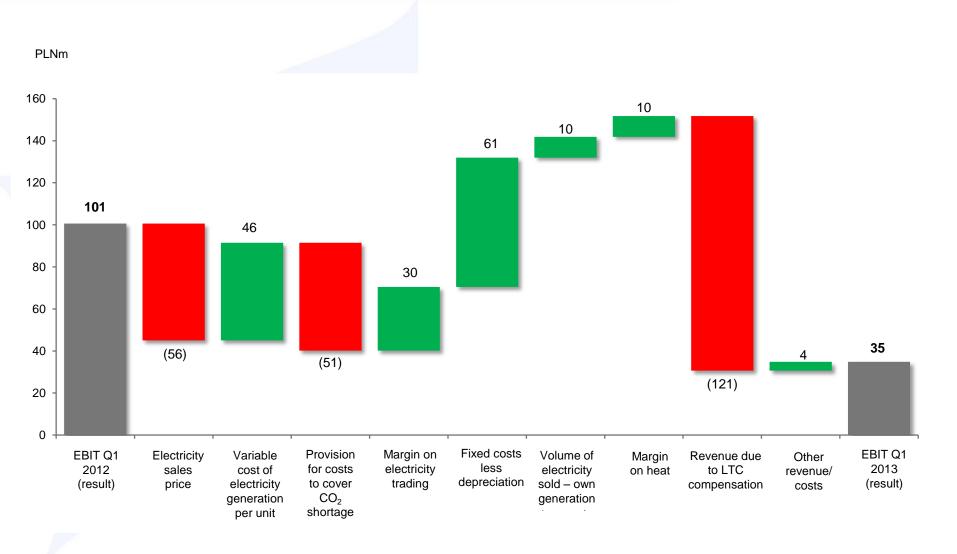


Change of: Revenue EBITDA EBIT in the segment (in PLNm)



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





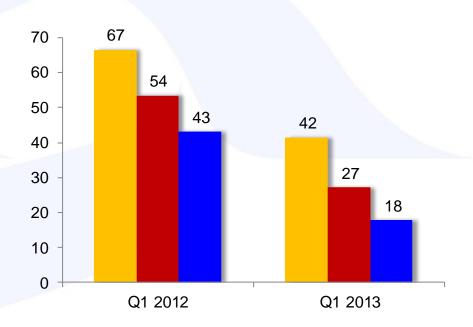


Increase

# Generation from renewable sources – key financial data

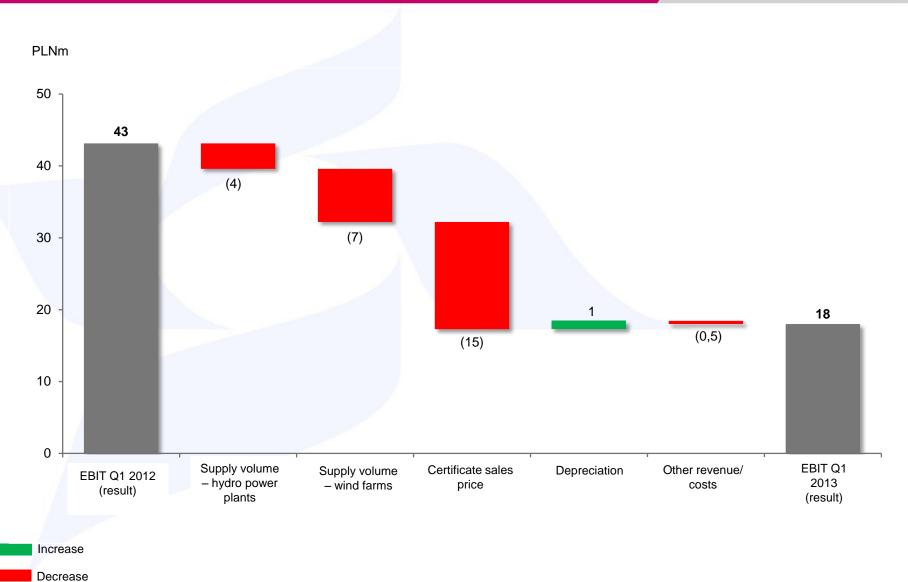


Change of: Revenue EBITDA EBIT in the segment (in PLNm)



# **RES – EBIT bridge**

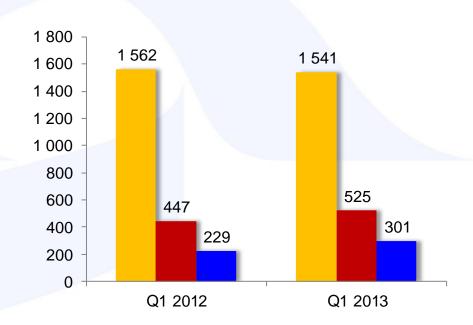




# **Distribution – key financial data**



Change of: Revenue EBITDA EBIT in the segment (in PLNm)



# **Distribution – EBIT bridge**

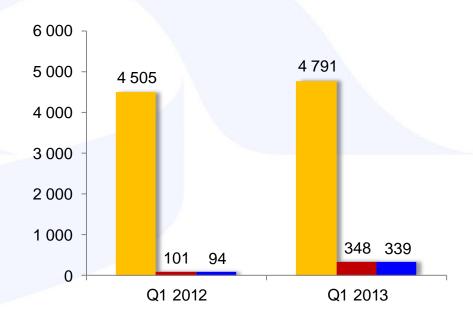




# **Supply – key financial data**

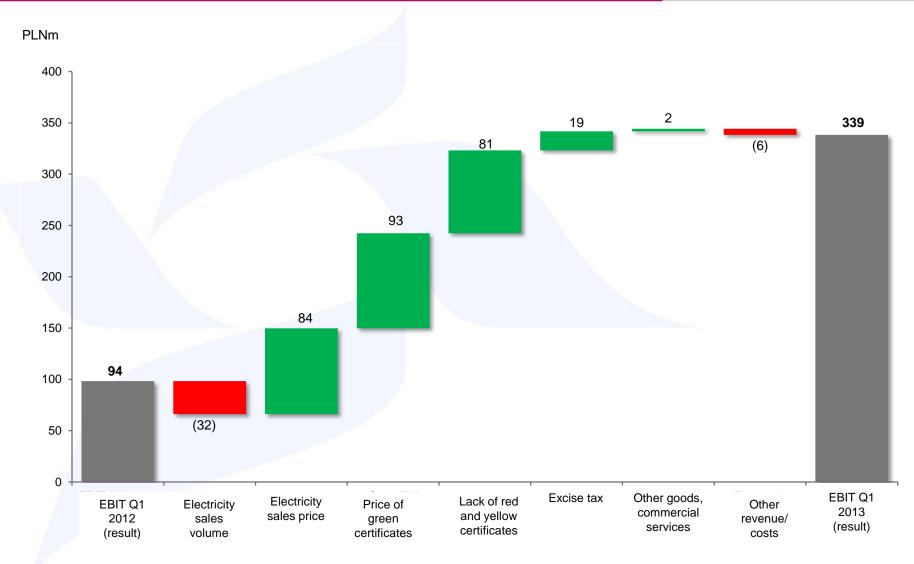


Change of: Revenue EBITDA EBIT in the segment (in PLNm)



# **Supply – EBIT bridge**



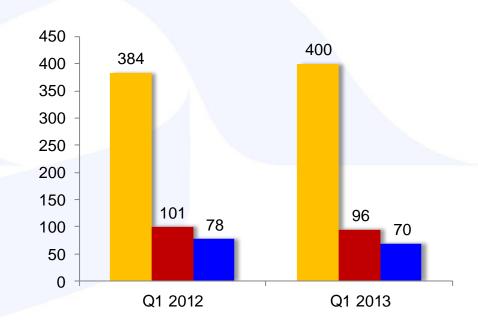




# **Heat – key financial data**

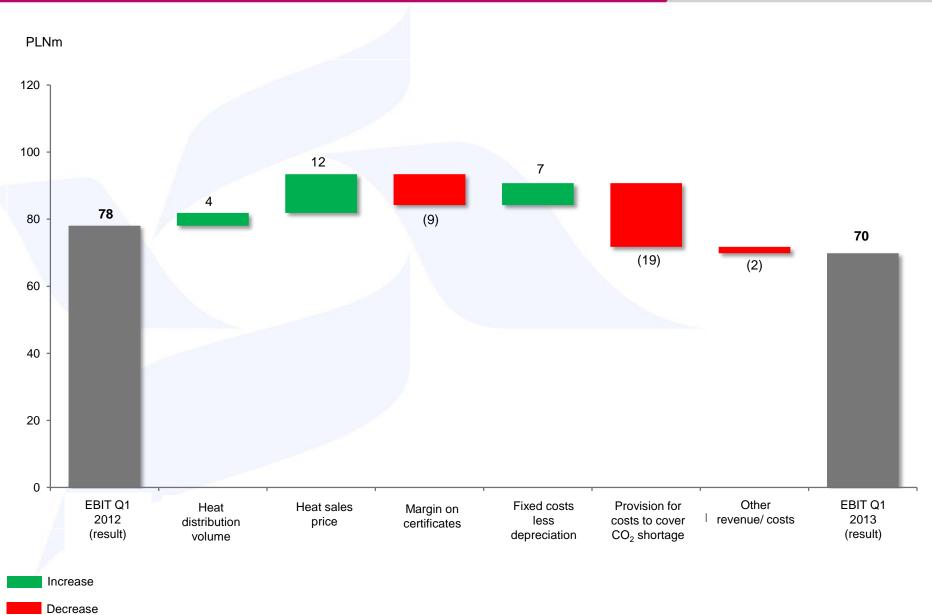


Change of: Revenue EBITDA EBIT in the segment (in PLNm)



# **Heat – EBIT bridge**

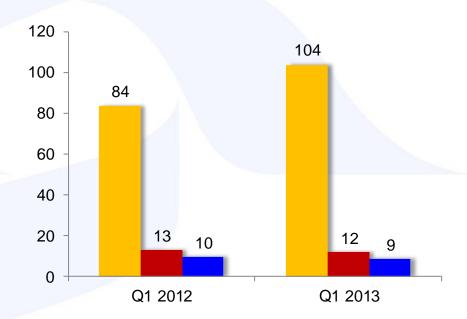




# **Customer Service – key financial data**

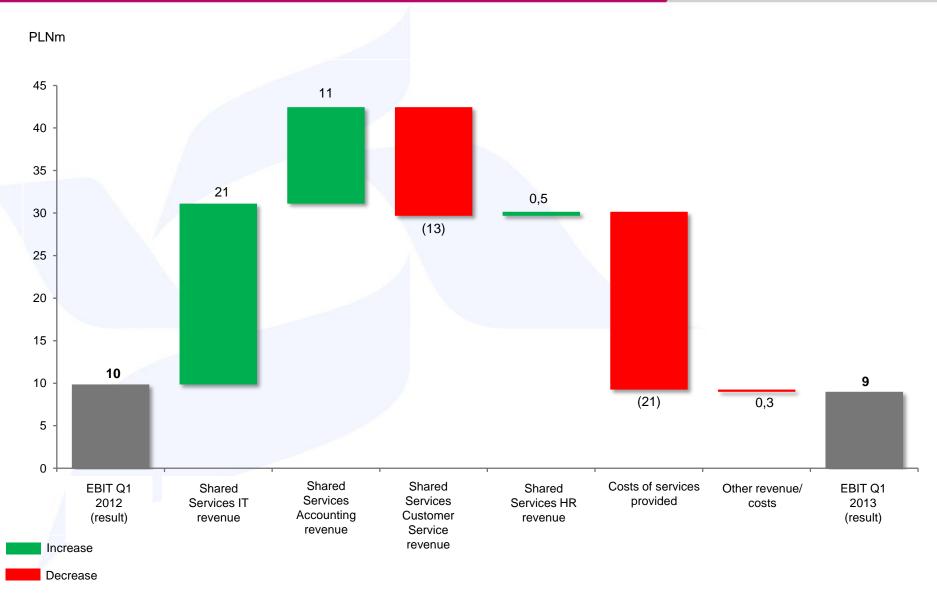






# **Customer Service – EBIT bridge**





# Other – key financial data



Change of: Revenue EBITDA EBIT in the segment (in PLNm)

