

# MVV Energie – Energising the Future

Fact book

1st Quarter 2011/12

15 February 2012

www.mvv-investor.de



## Disclaimer

This presentation has been prepared by MVV Energie AG for information purposes only. It does not constitute an offer, an invitation or a recommendation to purchase or sell securities of MVV Energie AG. The securities of MVV Energie AG have not been registered under the United States of America's securities laws and may not be offered or sold in the United States of America or to U. S. persons without registration or exemption from registration in accordance with the applicable United States' securities laws.

All information contained in this presentation has been established with care. However the information in this presentation has not been independently verified. We cannot guarantee its reliability or completeness. The information herein shall not be deemed as a guarantee or any such instrument in any respect.

#### **Future-oriented statements**

This presentation may contain statements on future developments ("future-oriented statements") that are based on currently available information and the plans, estimates and forecasts of the management of MVV Energie AG. Future-oriented statements include, but are not limited to projections of revenues, income, earnings per share, dividends, statements of plans or objectives for future operations. Such future-oriented statements are also indicated by words such as "anticipate", "may", "will", "should", "intend", "expect", "estimate" and similar expressions. These future-oriented statements are subject to risks and uncertainty and cannot be controlled or accurately predicted by MVV Energie AG. A multitude of factors such as changing business or market conditions, political and legal conditions, fluctuating currency exchange rates and interest rates, price and sale risks, changes in the price and availability of raw materials, risks associated with energy trading (e.g. risks of loss in the case of unexpected, extreme market price fluctuations and credit risks) can cause actual events to differ significantly from any anticipated development.

Therefore it cannot be guaranteed nor can any liability be assumed otherwise that these future-oriented statements will prove complete, correct or precise or that expected and forecast results will actually occur in the future.

MVV Energie AG neither intends to nor assumes any obligation to update these future-oriented statements.





Key financial data for the 1<sup>st</sup> quarter of 2011/12



# Key figures of the MVV Energie Group for the 1st quarter of 2011/12 financial year – Adjusted

## Earnings performance in Euro million

	<b>2011/12</b> (1.10-31.12.)	<b>2010/11</b> (1.10-31.12.)	% change
Sales excluding electricity and energy tax <sup>1</sup>	1,018	950	+7
Adjusted EBITDA 1, 2	114	129	-12
Adjusted EBIT <sup>3</sup>	74	91	-19
Adjusted EBT 3, 4	59	76	-22
Adjusted net surplus for period 3, 4	40	51	-22
Adjusted net surplus for period after minority interests 3, 4	37	45	-18
Adjusted earnings per share 3, 4 in Euro	0.57	0.68	-16
Free cash flow <sup>5</sup>	-112	-5	_

<sup>1</sup> previous year's figure adjusted

<sup>2</sup> excluding non-operating IAS 39 derivative measurement items and including interest income from finance leases

<sup>3</sup> excluding non-operating IAS 39 derivative measurement items, including interest income from finance leases and excluding restructuring expenses in previous year

<sup>4</sup> impact of the expiry of the Kiel put option

<sup>5</sup> cash flow from operating activities less investments in intangible assets, property, plant and equipment and investment property

# Sales by reporting segments in the 1st quarter of 2011/12 financial year

## Sales in Euro million

	<b>2011/12</b> (1.10-31.12.)	<b>2010/11</b> (1.10-31.12.) <sup>1</sup>	% change
Generation and Infrastructure	79	89	-11
Trading and Portfolio Management	277	200	+39
Sales and Services	551	549	0
Strategic Investments	109	111	-2
Other Activities	2	1	+100
Total	1,018	<u>950</u>	+7

<sup>1</sup> previous year's figure adjusted (amended presentation of building cost subsidies)

# Adjusted EBIT by reporting segments in the1st quarter of 2011/12 financial year

## Adjusted EBIT in Euro million

	<b>2011/12</b> (1.10-31.12.)	<b>2010/11</b> (1.10-31.12.) <sup>1</sup>	% change
Generation and Infrastructure	37	37	0
Trading and Portfolio Management	4	14	-71
Sales and Services	14	20	-30
Strategic Investments	16	19	-16
Other Activities	3	1	+200
Total	<u>74</u>	<u>91</u>	-19

<sup>1</sup> starting in 2011/12 financial year: overhead expenses allocated to reporting segments in line with causation on a capital employed basis (previous year's figure adjusted)

# Reconciliation of EBIT (income statement) with adjusted EBIT in the 1<sup>st</sup> quarter of 2011/12 financial year

## in Euro million

	<b>2011/12</b> (1.10-31.12.)	<b>2010/11</b> (1.10-31.12.)	+/- change
EBIT as reported in income statement	37	83	-46
+ Derivative measurement items under IAS 39	36	-24	+60
+ Restructuring expenses	-	31	-31
+ Interest income from finance leases	1	1	0
= Adjusted EBIT	74	<u>91</u>	-17

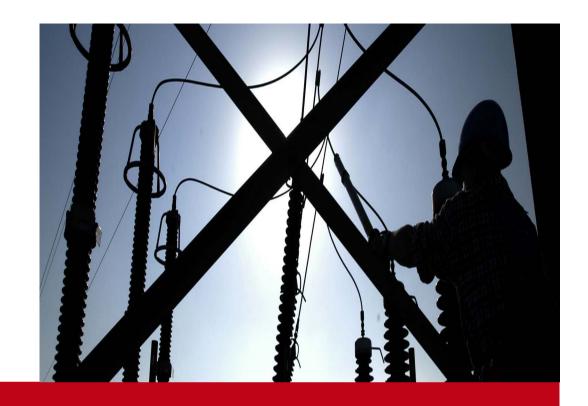
# Key factors in the 1<sup>st</sup> quarter of 2011/12 financial year affecting year-on-year adjusted EBIT performance

#### Positive one-off factors

Improved margin for district heating in Mannheim and at Czech Group, as well as for electricity and gas in Kiel

### **Negative one-off factors**

- Weather-related reduction in district heating and gas turnover
- ► Extended downtime at joint power plant (GKK) in Kiel due to turbine damage
- Lower clean dark spread (CDS) for coal procurement due to higher transport costs on account of low river levels



Key financial data for the 2010/11 financial year



# We achieved all our targets in the 2010/11 financial year

► Sales target (excluding electricity and natural gas taxes) for 2010/11 financial year at around previous year's level (Euro 3.4 billion in 2009/10 financial year). With actual sales of Euro 3.6 billion this target has been exceeded.



► Adjusted EBIT target at around previous year's level (Euro 243 million in 2009/10 financial year). With actual adjusted EBIT of Euro 242 million this target has been achieved.



► Payment of a constant dividend of Euro 0.90 per share for the 2010/11 financial year



# Key figures of the MVV Energie Group for the 2010/11 financial year – Adjusted

Earnings performance in Euro million

	<b>2010/11</b> (1.10-30.9.)	<b>2009/10</b> (1.10-30.9.)	% change
Sales excluding electricity and energy tax	3,590	3,359	+7
Adjusted EBITDA <sup>1</sup>	394	406	-3
Adjusted EBIT <sup>2</sup>	242	243	0
Adjusted EBT <sup>2, 3</sup>	179	165	+8
Adjusted net surplus for period <sup>2, 3</sup>	125	105	+19
Adjusted net surplus for period after minority interests 2, 3	108	95	+14
Adjusted earnings per share 2,3 in Euro	1.63	1.44	+13
Free cash flow 4	163	154	+6

<sup>1</sup> excluding non-operating IAS 39 derivative measurement items and including interest income from finance leases (previous year's figure adjusted)

**MVV** Energie

<sup>2</sup> excluding non-operating IAS 39 derivative measurement items and excluding restructuring expenses and including interest income from finance leases (previous year's figure adjusted)

<sup>3</sup> impact of the expiry of the Kiel put option

<sup>4</sup> cash flow from operating activities less investments in intangible assets, property, plant and equipment and investment property

# Sales by reporting segments in the 2010/11 financial year

## Sales in Euro million

	<b>2010/11</b> (1.10-30.9.)	<b>2009/10</b> (1.10-30.9.) <sup>1</sup> pro forma	
Generation and Infrastructure	320	329	
Trading and Portfolio Management	800	684	
Sales and Services	2,095	1,984	
Strategic Investments	371	356	
Other Activities	4	6	
Total	3,590	3,359	

<sup>1</sup> previous year's figures calculated as pro forma figures

# Adjusted EBIT by reporting segments in the 2010/11 financial year

Adjusted EBIT in Euro million

	<b>2010/11</b> (1.10-30.9.)	<b>2009/10</b> (1.10-30.9.) <sup>1</sup> pro forma	
Generation and Infrastructure	123	122	
Trading and Portfolio Management	26	40	
Sales and Services	51	39	
Strategic Investments	37	37	
Other Activities	5	5	
Total	242_	<u>243</u>	

<sup>1</sup> previous year's figures calculated as pro forma figures

# Sales volumes and combustible waste delivered in the 2010/11 financial year

## Sales volumes

	<b>2010/11</b> (1.10-30.9.)	<b>2009/10</b> (1.10-30.9.)	% change
Electricity in kWh million	26,093	23,891	+9
of which Generation and Infrastructure	155	334	-54
of which Trading and Portfolio Management	12,855	10,771	+19
of which Sales and Services	11,678	11,510	+1
of which Strategic Investments	1,405	1,276	+10
District heating in kWh million	7,288	7,586	-4
Gas in kWh million	10,888	11,775	-8
of which Trading and Portfolio Management	1,700	2,313	-27
of which Sales and Services	7,759	7,356	+5
of which Strategic Investments	1,429	2,106	-32
Water in m <sup>3</sup> million	53.7	54.2	-1
Combustible waste delivered in tonnes 000s	1,835	1,762	+4

# Sales and adjusted EBIT by reporting segments – well-balanced business portfolio

### Share of external sales in 2010/11 FY

## Share of adjusted EBIT in 2010/11 FY



### Key figures (2010/11 FY pursuant to IFRS)

Sales¹: Euro 3.590 million
Adjusted EBITDA: Euro 394 million
Adjusted EBIT: Euro242 million
Adjusted annual net surplus: Euro125 million

Adjusted equity ratio: 39.5%

Free cash flow: Euro 163 million

Number of employees: 5,923

1 excluding electricity and natural gas taxes 2 closing price on 14.2.2012: Euro 27.50

#### Key valuation parameters

Enterprise value <sup>2</sup> / sales:	8.0
Enterprise value <sup>2</sup> / adjusted EBITDA:	7.4
Enterprise value <sup>2</sup> / adjusted EBIT:	12.0
Price <sup>2</sup> / book value ratio:	1.6
Price <sup>2</sup> / earnings ratio:	16.9
Adjusted earnings per share:	Euro 1.63
Dividend per share:	Euro 0.90
Dividend yield:	3.3%



# Reconciliation of EBIT (income statement) with adjusted EBIT in the 2010/11 financial year

## in Euro million

	<b>2010/11</b> (1.10-30.9.)	<b>2009/10</b> (1.10-30.9.)	+/- change
EBIT as reported in income statement	253	308	-55
+ Derivative measurement items under IAS 39	-46	-69	+23
+ Restructuring expenses	31	-	+31
+ Interest income from finance leases	4	4	0
= Adjusted EBIT	242	243_	-1

# Key factors affecting year-on-year adjusted EBIT performance

### Positive one-off factors

- Year-on-year comparison benefits from high write-downs in ERS business in previous year
- Improvement in generation and environmental energy
- Gas optimisation and improved trading results
- ► Improvements at Czech subgroup

## **Negative one-off factors**

- ► Lower clean dark spreads and higher performance prices
- Weather-related reduction in district heating turnover





German energy turnaround



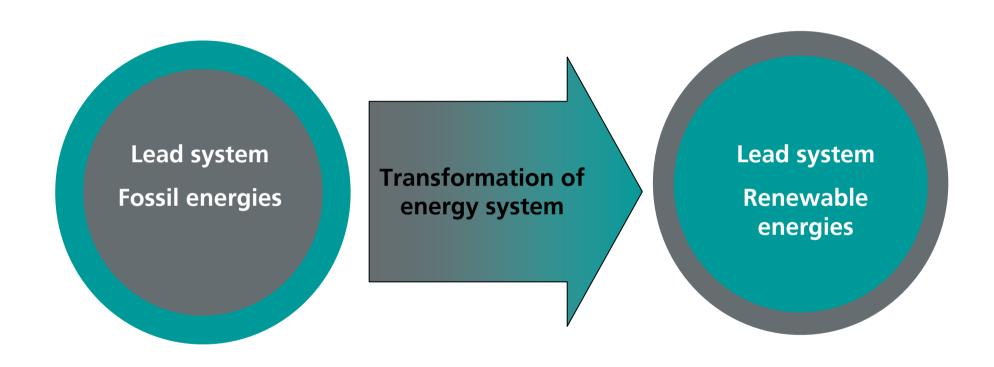
# Long-term aims of Federal Government's Energy Concept from autumn 2010 unchanged despite nuclear energy exit

	2020	2050
Primary energy consumption (base: 2008)	-20%	- 50%
Building heating/primary energy consumption	-20%	- 80%
Electricity consumption (base: 2008)	-10%	-25%
% renewables in end energy consumption	18%	60%
% renewables in electricity consumption	35%	80%

**Gradual nuclear energy exit by 2022** 

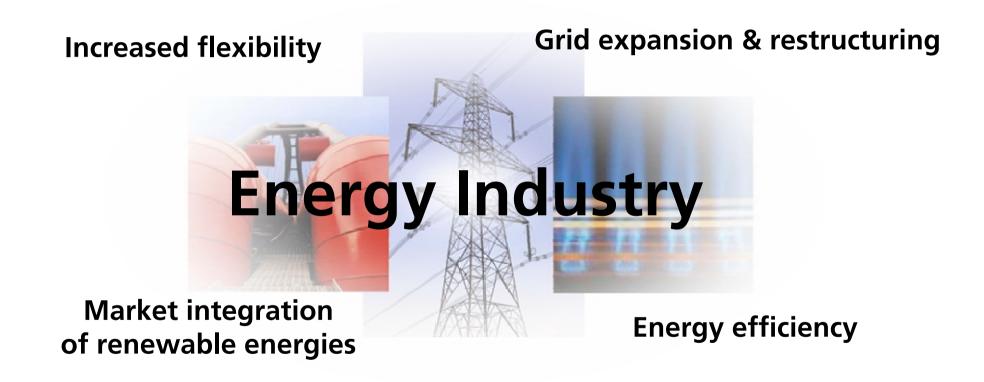
► Extensive new legislation (including amendments to Atomic Energy, Renewable Energies and Cogeneration Acts)

# Energy turnaround will require fundamental transformation in entire energy supply



- ▶ Transformation requires new market design, new price systems, new technologies
- ► Energy turnaround will require all-round "management"

# Key challenges involved in ecological transformation of energy system



- ► Energy turnaround involves far more than just switching off nuclear power plants
- ► Energy turnaround means promoting energy efficiency and expanding renewable energies while simultaneously safeguarding system stability

# Which key factors will be relevant in future?

### Increase flexibility of existing power plants

Retrofit, heat storage, grouping

### **Build new fossil fuel** power plants

High-efficiency cogeneration, gas and steam plants

### **Europeanisation**

"Norway battery"

#### **Grid expansion & modernisation**

Transmission cables & HVDC, "smart" distribution grids

#### **Demand management**

Variable load tariffs etc.

**Organise** system transformation platform

Power2Gas

#### Market integration of renewables

Market premium model, direct marketing, integration into balancing energy market

#### **Bottleneck management**

Market coupling, balancing energy market, redispatch

**Enhancement of electricity** and gas exchanges

**Develop electricity and** heating energy storage

- Comprehensive market design as indispensable factor for successful transformation
- Broad-based consensus within society necessary for paradigm shift

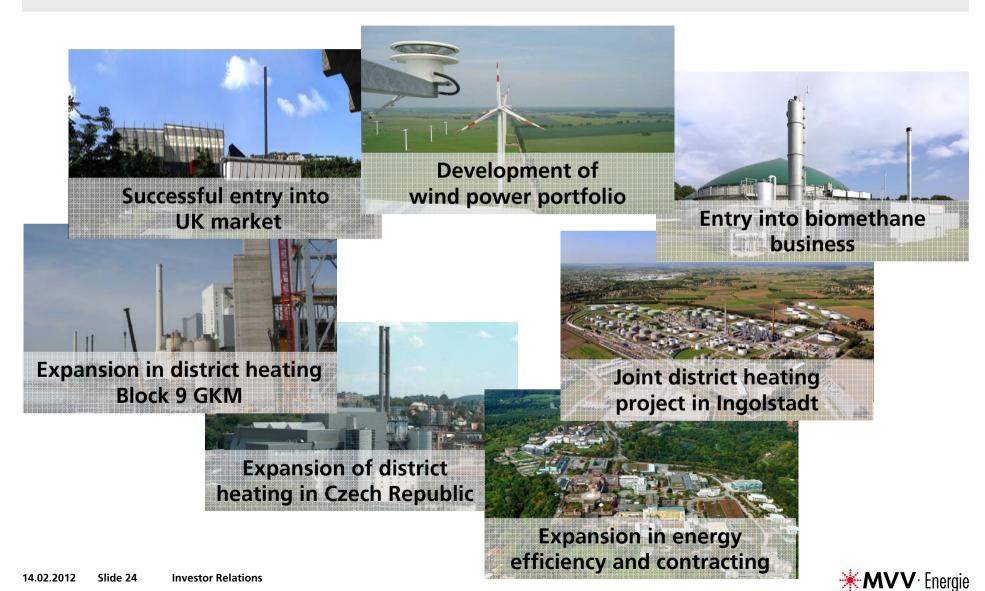




MVV Energie – Implementation of our strategy



# We are making good progress with implementing our growth targets – Examples of projects implemented since MVV 2020



# Kirchberg wind farm – Further step in high-growth wind power market



## **Kirchberg location in Rhineland-Palatinate**

- ▶ Launch of operations: December 2011
- ▶ Investment: Euro 84 million
- ► Joint venture with juwi
- ▶ 23 E-82 E2 type wind turbines (Enercon)
- ▶ Hub height: 138 metres
- ▶ Output: 53 MW<sub>e</sub>
- ► Electricity output: approx. 125 GWh p.a. (equivalent to consumption of 35,000 households)
- ► CO<sub>2</sub> reduction: 100,000 tonnes a year

## Launch of biomethane business at Klein Wanzleben location

## **Biomethane plant at Klein Wanzleben location**

- ▶ Launch of construction work: end of May 2011
- ▶ Launch of operations: summer 2012
- ► Investment: Euro 12.6 million (of which MVV Energie: Euro 9.4 million)
- ▶ Biogas production: 63 million kWh p.a.
- Raw materials requirement:
   approx. 47,500 tonnes p.a. of maize silage,
   2,500 tonnes p.a. of sugar beet plus
   10,000 tonnes p.a. of sugar beet chips
   for process heat production (own consumption)
- ▶ Planned operating term: at least 20 years







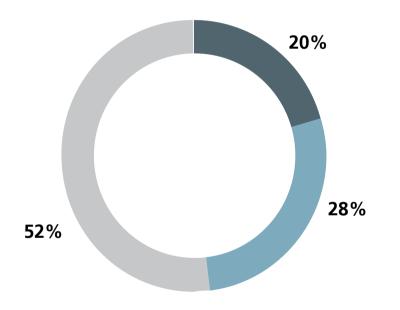
## Key component in expansion of renewable energies

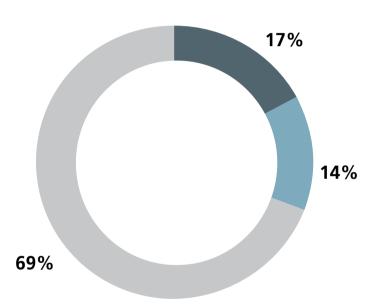


# High priority for renewable energies at MVV Energie Group

Electricity generation of the MVV Energie Group in Germany in FY 2010/11: 3.8 TWh







- Electricity from renewable energies, including biomass cogeneration and biogenic share of waste
- Electricity from cogeneration
- Other electricity generation

Sources: Renewable Energies Statistics Working Group (AGEE-Stat), Association of the German Energy and Water Industries (BDEW),
Berliner Energieagentur GmbH/Prognos AG and own calculations (preliminary)

**MVV**· Energie

# Implementation: Successful expansion of district heating – Ingolstadt



## **Ingolstadt joint district heating project**

- ▶ Bavaria's largest waste heat and district heating project
- ▶ Investment: around Euro 23 million
- ▶ Joint project with Petroplus refinery, City of Ingolstadt and AUDI AG
- ► Construction of a 5.3 km district heating pipeline
- ▶ District heating output to be raised starting in spring 2011 from 190 GWh p.a. to approx. 300 GWh p.a. by 2013



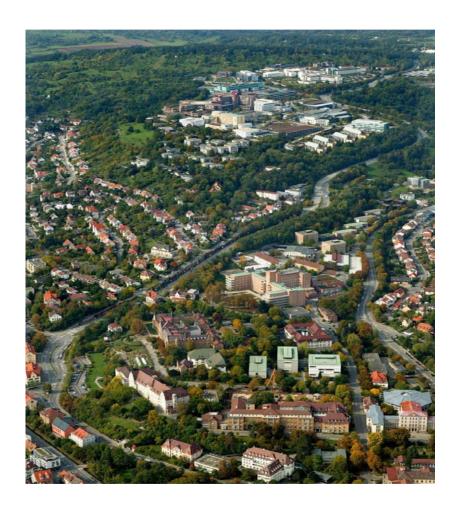
# Enhanced energy efficiency and contracting – Tübingen **University Hospital**

### **Tübingen University Hospital**

- ► Assumption of operations: July 2010
- ▶ Conversion of 40 year-old heat power plant from oil and gas to wood pellet operations
- ▶ Launch of operations with new system: end of 2012
- ▶ Investments: Euro 12 million
- ► Contractual term: 20 years
- ▶ Energy cost savings: 20% p.a.

#### **Technical data**

- 2 wood boilers: each 10 MW<sub>th</sub>
- ► CO<sub>2</sub> reduction: 20,000 tonnes a year, or up to 98%



Environmentally-friendly heating energy generation using ecological local heating supply



# TERMIZO – Heating energy from waste

## **TERMIZO** in the Czech Republic

- ► TERMIZO is a waste-fired heating energy plant that meets the highest European standards
- ▶ Purchase price: approx. Euro 21 million
- ▶ All of the heating energy produced is supplied to Teplarna Liberec
- ► Single-line plant concept with modern flue gas cleaning

#### **Technical data**

- Heat as of end of 2010: 38.3 MW<sub>t</sub>
- ▶ Electricity generation as of end of 2010: 4.0 MW a
- ▶ Waste incineration capacity as of end of 2010: 106,000 tonnes p.a.



## Modern plant with high availability rates

# Plymouth energy from waste plant project : MVV Energie wins contract to build and operate plant

### **South West Devon Waste Partnership**



#### **Investment and financing**

▶ Investment: approx. Euro 250 million

▶ Financial close: 25 March 2011

► Construction: from 2012

▶ Launch of operations: from 2014

#### **Technical data**

▶ Nominal capacity: 245,000 tonnes p.a.

Net electricity output: 22.5 MW<sub>e</sub>

► Max. thermal energy output: 23.3 MW<sub>+</sub>

#### **Broad revenue base**

- Municipal waste contract: 25-year term,75% bring-or-pay
- ► Energy supply contract with a 25-year term to supply electricity and steam to navy base
- ► Government support for cogeneration and generation of renewable energy from biogenic share of waste

Exporting our wealth of expertise in generating energy from waste to the UK



# Plymouth energy from waste plant project : MVV Energie wins contract to build and operate plant

### **South West Devon Waste Partnership**



#### **Investment and financing**

▶ Investment: approx. Euro 250 million

▶ Financial close: 25 March 2011

► Construction: from 2012

▶ Launch of operations: from 2014

#### **Technical data**

- ▶ Nominal capacity: 245,000 tonnes p.a.
- Net electricity production: 22.5 MW
- ▶ Max. heating energy supply: 23.3 MW

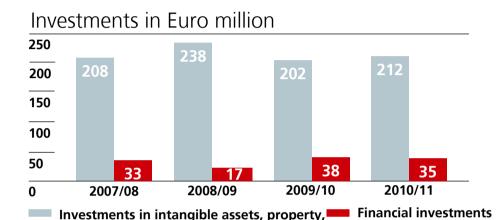
#### **Broad revenue base**

- Municipal waste contract: 25-year term, 75% bring-or-pay
- Energy supply contract with a 25-year term to supply electricity and steam to navy base
- ► Government support for cogeneration and generation of renewable energy from biogenic share of waste

Exporting our wealth of expertise in generating energy from waste to the UK



## Investment and growth



## Investments<sup>1</sup> in 2010/11 financial year

plant and equipment, investment property



1 Investments in intangible assets, property, plant and equipment, investment property, as well as payments for the acquisition of fully and proportionately consolidated companies and other financial assets

#### Existing business

- Optimising and preserving substance of supply facilities and distribution grids
- Concentration of locations and construction of new gas turbines in Kiel

#### Growth investments

- Extending the supply of district heating in Mannheim and construction of a district heating pipeline to Speyer
- Ingolstadt district heating association
- Construction of Klein Wanzleben biomethane plant
- Construction of Kirchberg wind farm
- Construction of Plymouth energy from waste plant
- Contracting project Tübingen University Hospital
- Construction of cogeneration plants in Czech Republic (COGEN II)
- Acquisition of cogeneration plant TERMIZO in Czech Republic



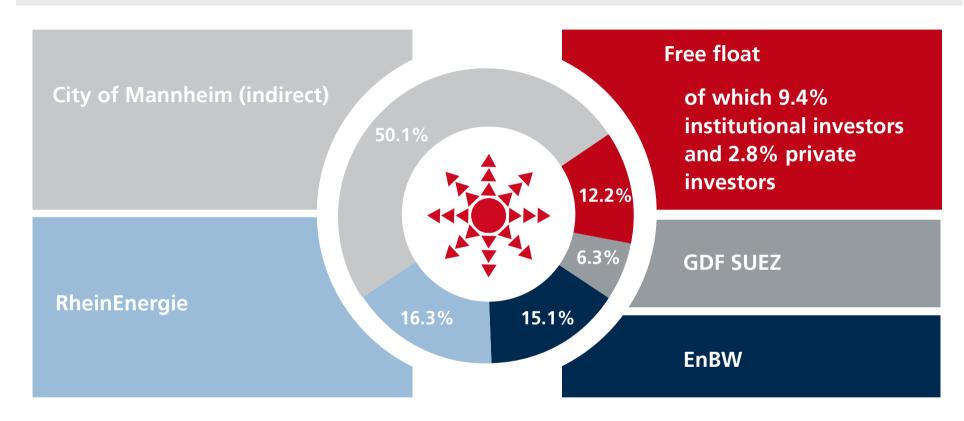




# The share of MVV Energie



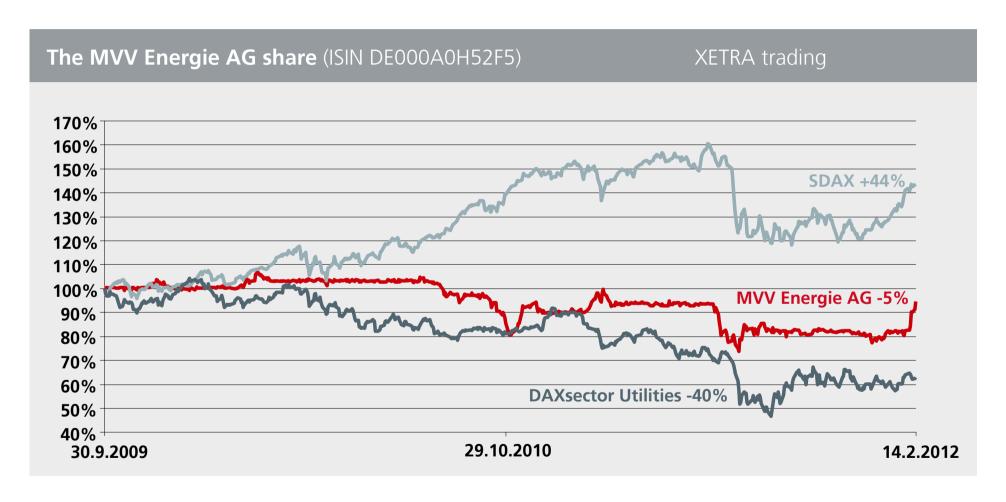
# Current shareholder structure and key figures of MVV Energie AG



- No. of shares: 65.907 million
- Average daily turnover: 8,431 shares in 2010/11 FY
- Market capitalisation:
  Euro 1,812 million
  (Closing price on 14.2.2012:
  Euro 27.50)
- ► Free float: Euro 222 million



# Performance comparison of the MVV Energie AG share



Share chart as performance comparison (including dividend payments in March 2010 and 2011) with SDAX and DAXsector Utilities



## High dividend distribution in past eight years

#### Dividend

	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Dividend/Share (Euro)	0.75	0.75	0.80	0.80	0.90	0.90	0.90	0.90 <sup>3</sup>
Total dividend <sup>1</sup> (Euro million)	38.0	41.8	44.6	52.7	59.3	59.3	59.3	59.3
Closing price on 30.9. (Euro)	14.40	19.29	23.23	29.49	33.20	30.83	29.00	23.86
Dividend yield <sup>2</sup> (%)	5.2	3.9	3.4	2.7	2.7	2.9	3.1	3.8

<sup>1</sup> with dividend entitlement until FY 2003/04: 50.7 million shares; FY 2004/05: 55.7 million shares; FY 2005/06: 55.8 million shares; from FY 2006/07: 65.9 million shares

<sup>2</sup> dividend yield based on respective closing price in XETRA trading on 30 September

<sup>3</sup> subject to approval by the Annual General Meeting on 16 March 2012

### Advantages for our shareholders

#### Well balanced portfolio

- Across major steps of the value added chain,
- across regions and
- across customers

#### **Green & clean**

- No nuclear exposure in own generation
- Wind onshore, biomass and biomethane
- CHP and district heating
- R&D: Smart metering and E-mobility

## Ambitious capex programme until 2020

- ▶ Euro 3 billion in total of which
  - Euro 1.5 billion in growth
  - Euro 1.5 billion in replacement investments

#### **Solid balance sheet**

- Long term investment horizon matched with long term maturities
- ► High equity ratio of 39.5%



## Outlook



## Outlook for 2011/12 financial year

► Sales target (excluding electricity and natural gas taxes) for 2011/12 financial year slightly above previous year's level (Euro 3.59 billion in 2010/11 financial year)



► Adjusted EBIT target slightly below previous year's level (Euro 242 million including interest income from finance leases in 2010/11 financial year)



#### Variables affecting the outlook

- Development in energy prices relevant to our business (electricity, coal, gas, oil, CO<sub>2</sub> certificates)
- Weather conditions
- Downtime at joint power plant in Kiel (GKK)
- Development in waste prices in Germany
- Regulatory and competitive factors





Financial calendar of 2011/12



## Financial calendar of 2011/12

▶ 15.12.2011	2010/11 Annual Report
▶ 15.12.2011	Annual Results Press Conference and Analysts` Conference in Frankfurt/Main
▶ 15.2.2012	Financial Report 1st Quarter of 2011/12
▶ 16.3.2012	Annual General Meeting in Mannheim
▶ 19.3.2012	Payment of Dividend
▶ 15.5.2012	Half-Year Financial Report of 2011/12 and Analysts` Conference Call
▶ 15.8.2012	Financial Report 3 <sup>rd</sup> Quarter of 2011/12 and Analysts` Conference Call





## Back up

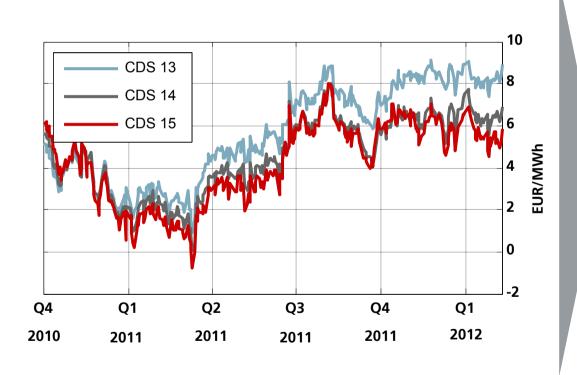


## Sales and adjusted EBIT performance by quarter

#### Euro million

	<b>2010/11</b> (1.10-30.9.)	<b>2009/10</b> (1.10-30.9.)		% change			
1st Quarter	947	839		+13			
2 <sup>nd</sup> Quarter	949	1,004		-5			
3 <sup>rd</sup> Quarter	783	711		+10			
4 <sup>th</sup> Quarter	911	805		+13			
Sales in the financial year	<u>3,590</u>	<u>3,359</u>		+5			
1st Quarter	91	85		+7			
2 <sup>nd</sup> Quarter	113	125		-10			
3 <sup>rd</sup> Quarter	44	43		+2			
4 <sup>th</sup> Quarter	-6	-10		+40			
Adjusted EBIT in the financial year	242	243		0			

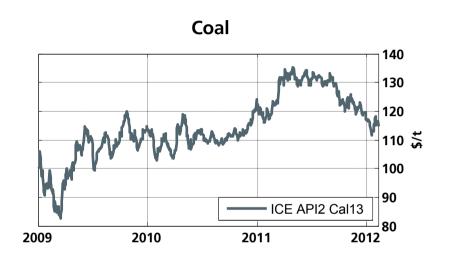
# The Clean Dark Spread (CDS) development has a significant impact on the MVV Energie Group

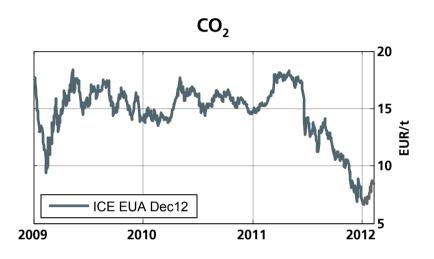


Future CDS development will be influenced by different markets and political decisions:

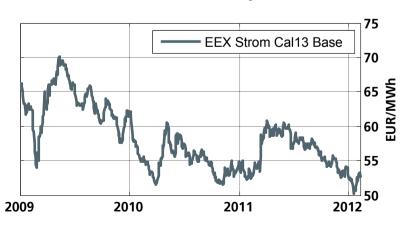
- ▶ German power generation
  - Nuclear exit
  - Renewable generation (wind, solar)
  - New conventional generation
- ▶ Global coal markets/FX
- ► Carbon price level

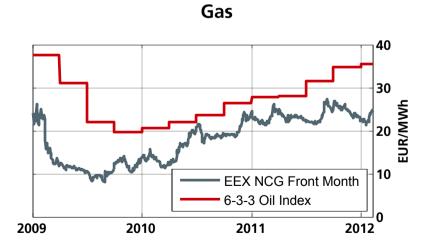
## Energy price curves



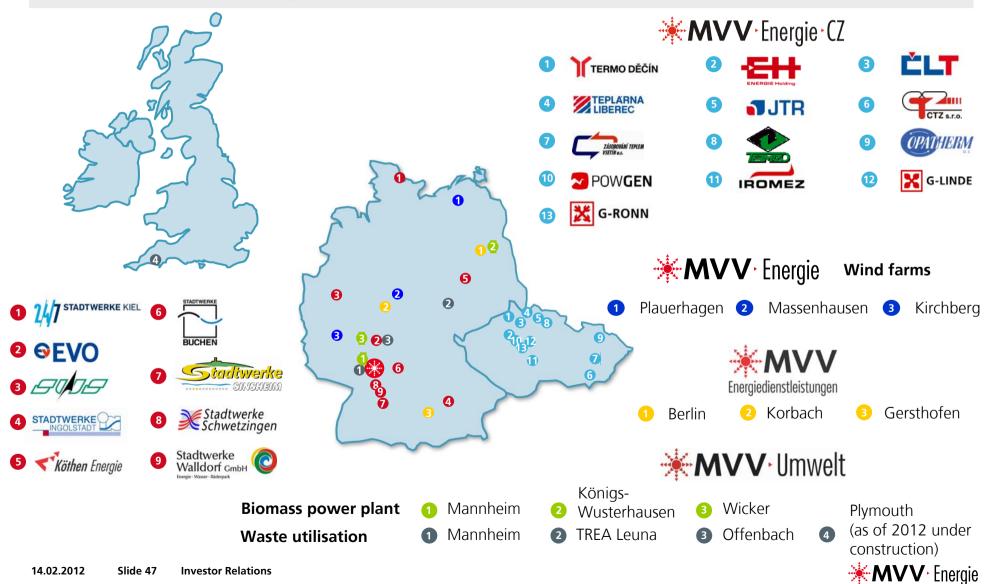


#### **Electricity**





# Municipal utility companies and major locations of the MVV Energie Group



## Decentralised energy supply – EVO wood pellet plant in Offenbach



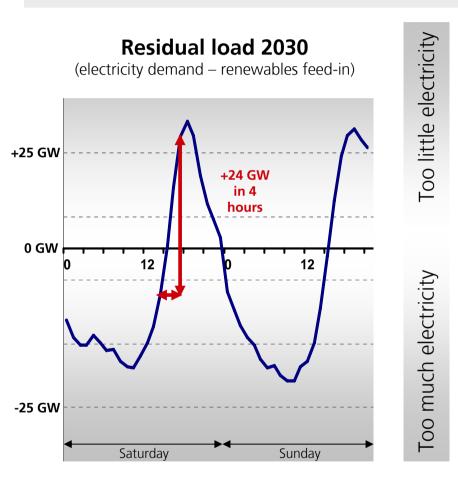
#### Wood pellet plant in Offenbach

- ▶ Launch of operations: May 2011
- ► Investment in wood pellet plant, including adjacent biomass cogeneration plant: approx. Euro 17 million
- Wood pellet production from shavings and waste timber: initially 65,000 tonnes a year
- Possibility of doubling wood pellet production in further expansion stage
- Substitute fuel for up to 50,000 tonnes of hard coal at EVO's cogeneration plant
- ► CO<sub>2</sub> reduction: up to 80,000 tonnes a year

One of Germany's most modern plants – making a key contribution to climate protection



# Market integration of renewable energies will require highly flexible gas power plants and cogeneration plants



**Conventional power plants** 

Import of electricity

#### Storage/flexibilities

- ▶ Pump storage
- ► Heating energy storage
- ▶ Gas to power ("methanisation")
- ▶ Norway as battery
- ▶ Demand-side management

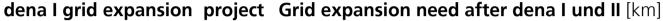
Switch off renewables plants

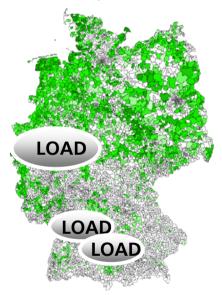
**Export of electricity** 

► Increasing need for supply-side and demand-side flexibility with high load gradiants to offset fluctuating renewables feed-in volumes

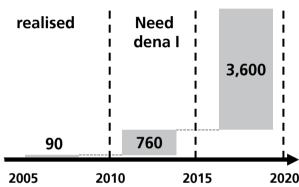
## Grid expansion and conversion required on transmission and distribution grid levels











▶ Grid expansion costs including offshore link: ~ Euro 1bn p.a.

Sources: dena grid studies I and II; Renewable Energies Agency

- Expansion of smart transmission/distribution grids key aspect of energy turnaround
- Significant delays in transmission grid expansion (8 of 24 priority projects)