bdew

Energie. Wasser. Leben.

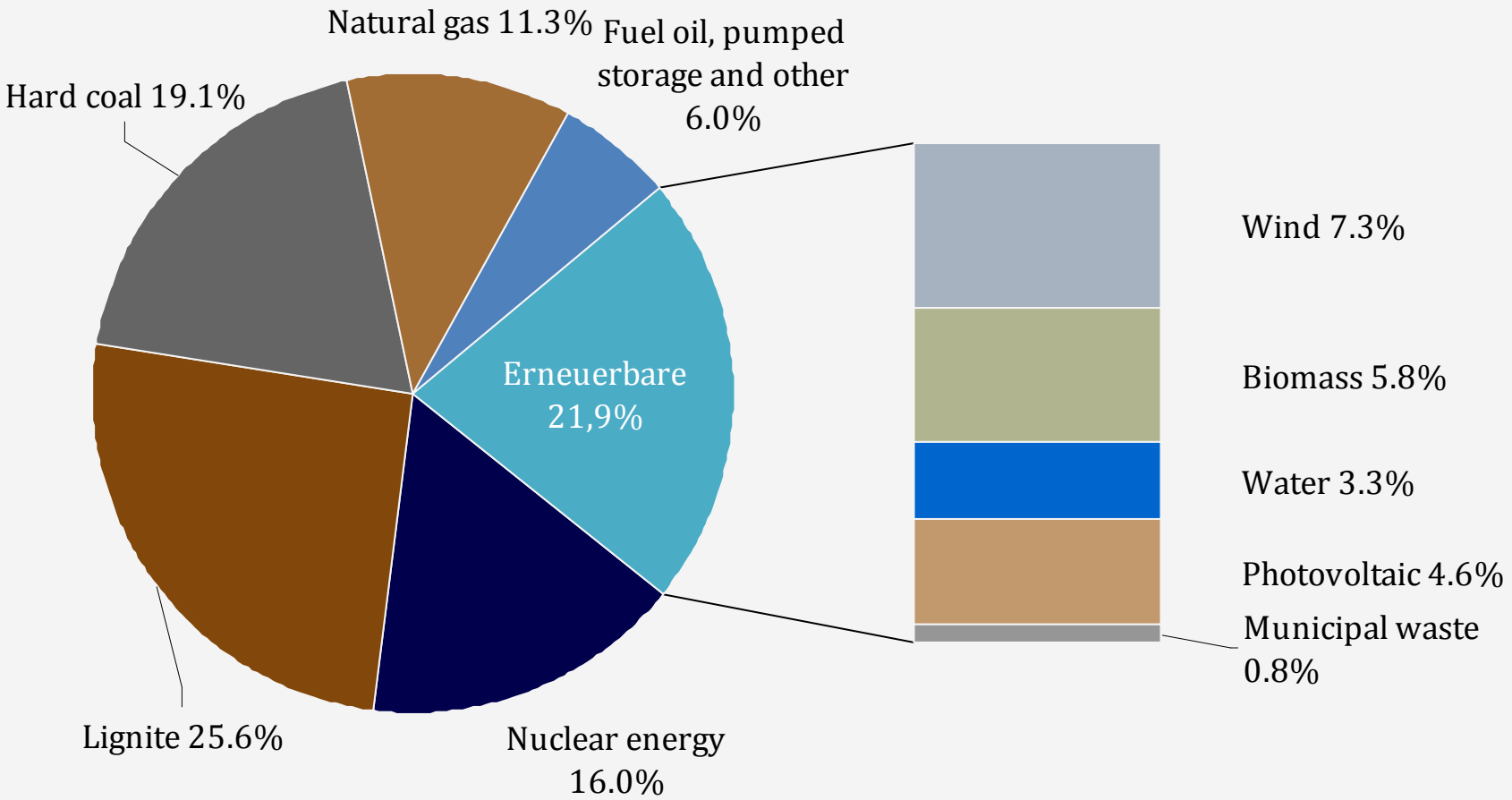
Developments in the German electricity and gas sector in 2012

BDEW Press Conference
10 January 2013

Gross electricity generation
by energy sources in 2012

bdew
Energie. Wasser. Leben.

Gross electricity generation in Germany in 2012: 617 billion kilowatt-hours*



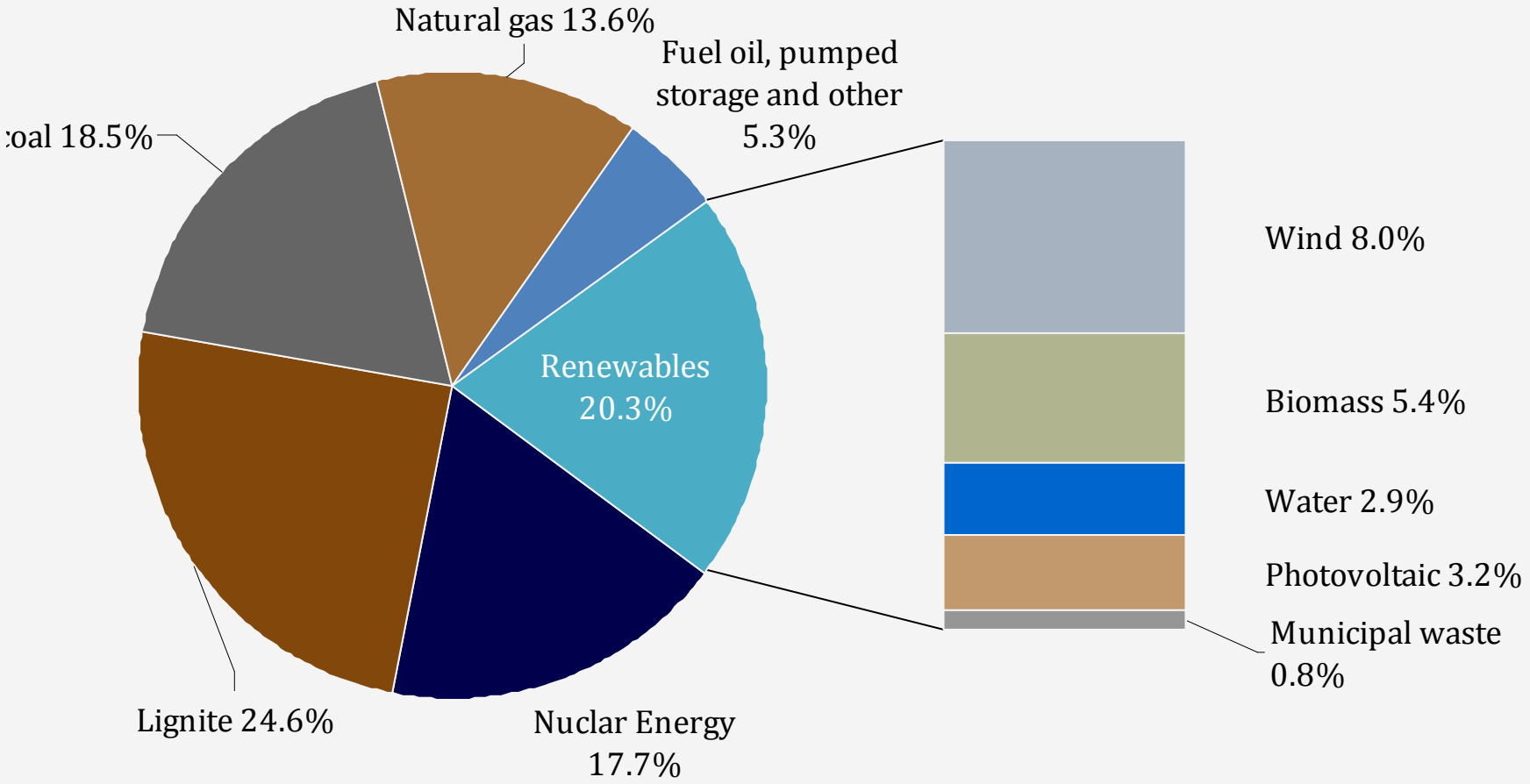
Sources: BDEW, AG Energiebilanzen, status: 12/2012

* provisional, partly estimated

Gross electricity generation
by energy sources in 2011

bdew
Energie. Wasser. Leben.

Gross electricity generation in Germany in 2011: 608.8 billion kilowatt-hours*



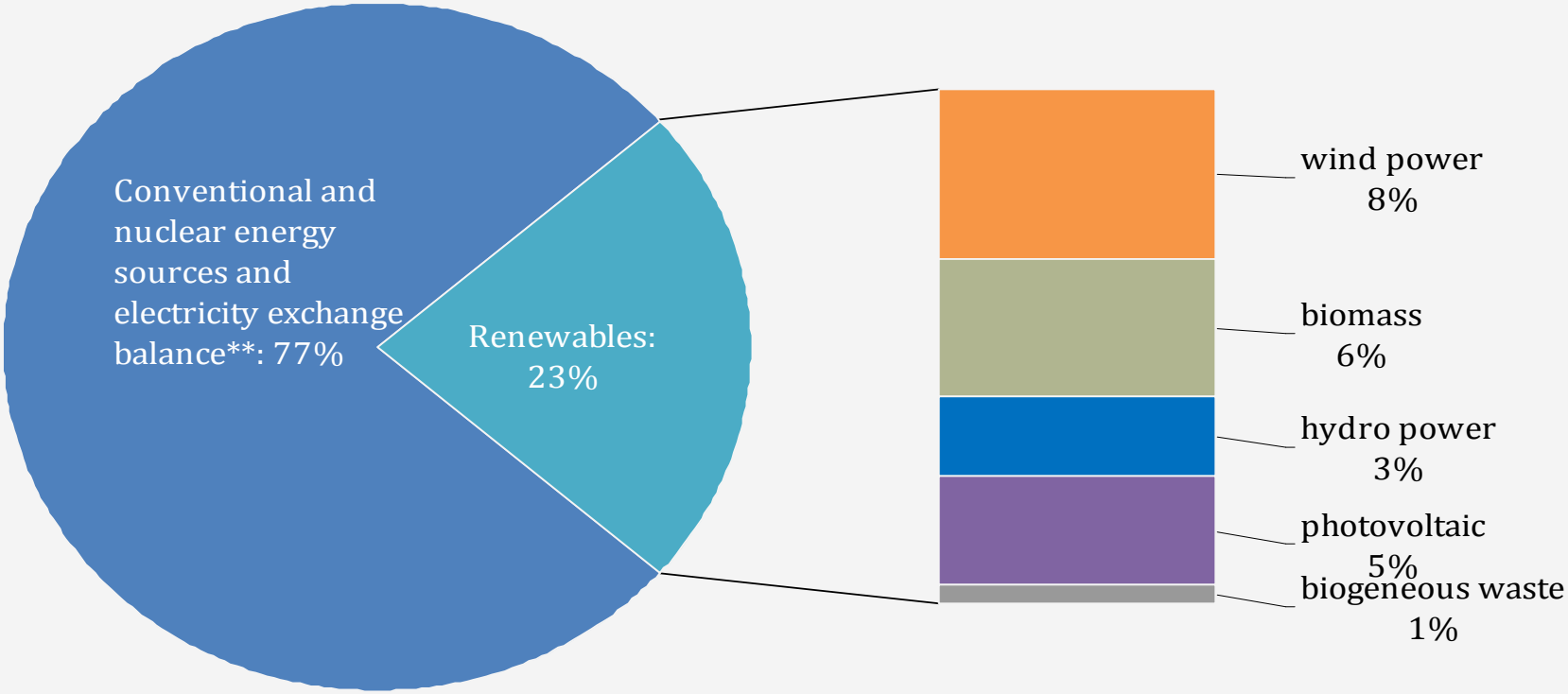
Sources: BDEW, AG Energiebilanzen, status: 10/2012

* provisional figure

Contribution of renewable energies to covering electricity consumption

bdew
Energie. Wasser. Leben.

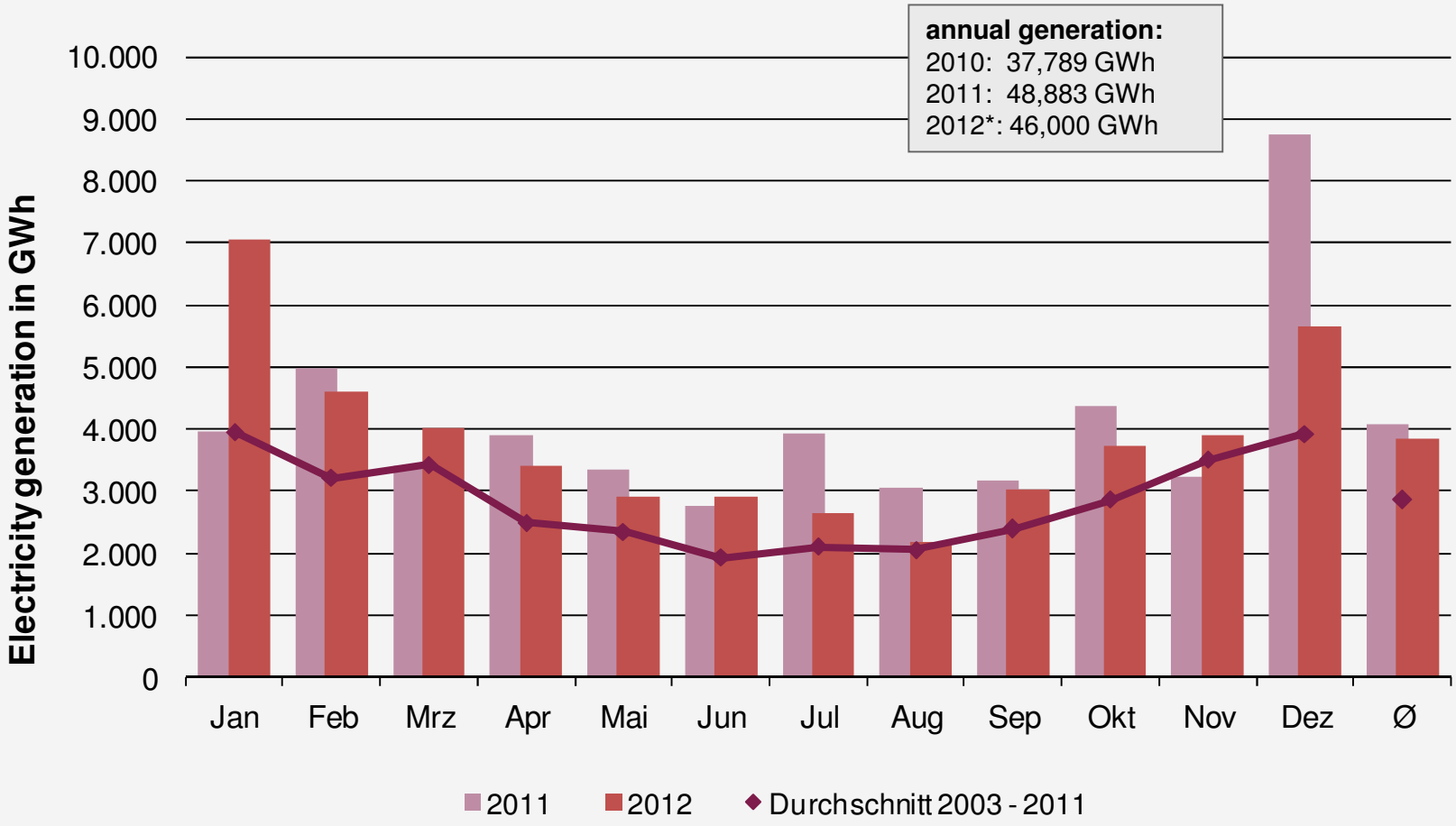
Gross domestic electricity consumption in Germany in 2012: 594 billion kWh*



* provisional figures, partly estimated
** for 2012: minus surplus of electricity exports

Sources: BDEW, AG Energiebilanzen, status: 12/2012

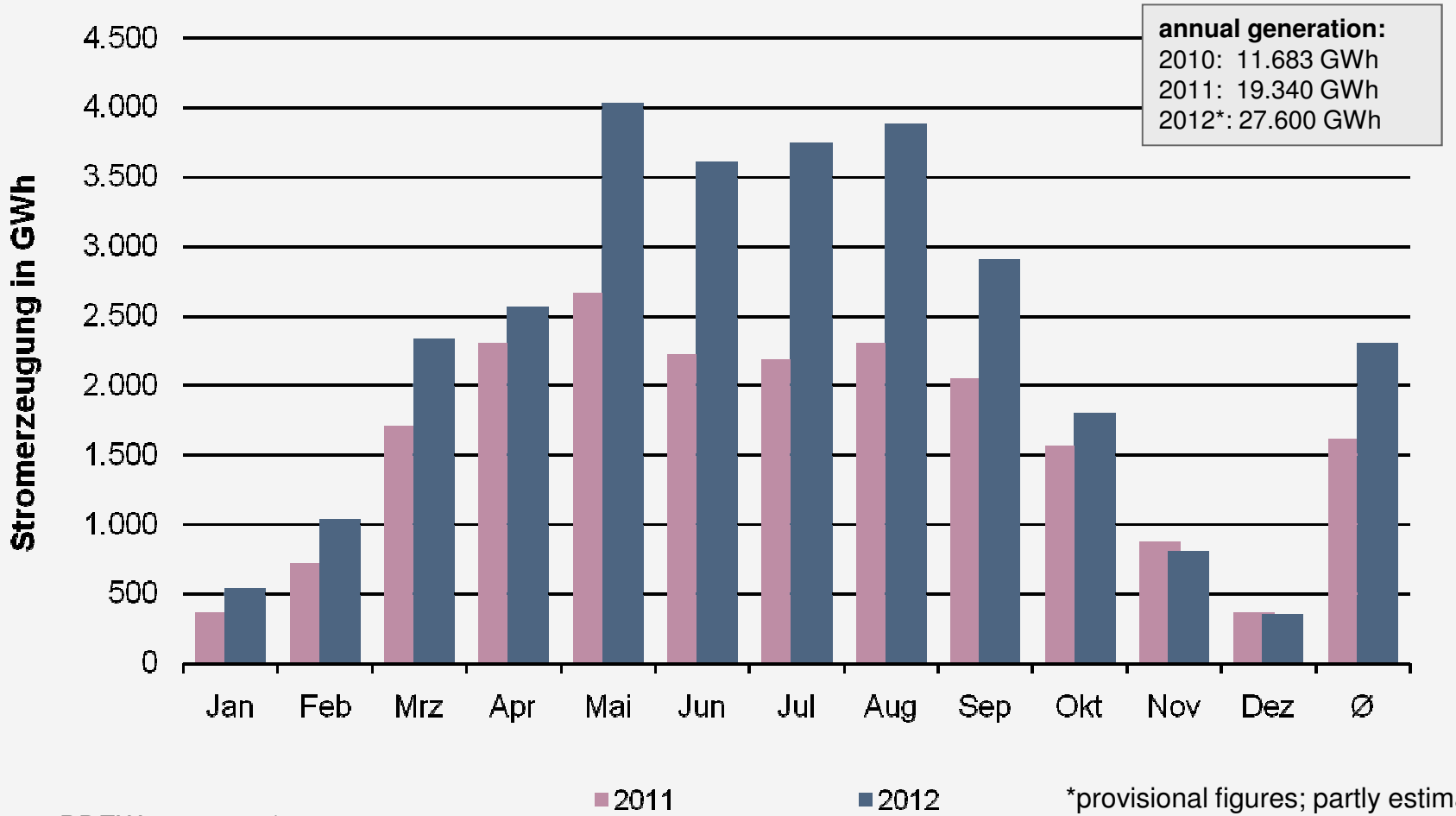
Generation from wind power plants



Source: BDEW, status 01/2013

* provisional figures

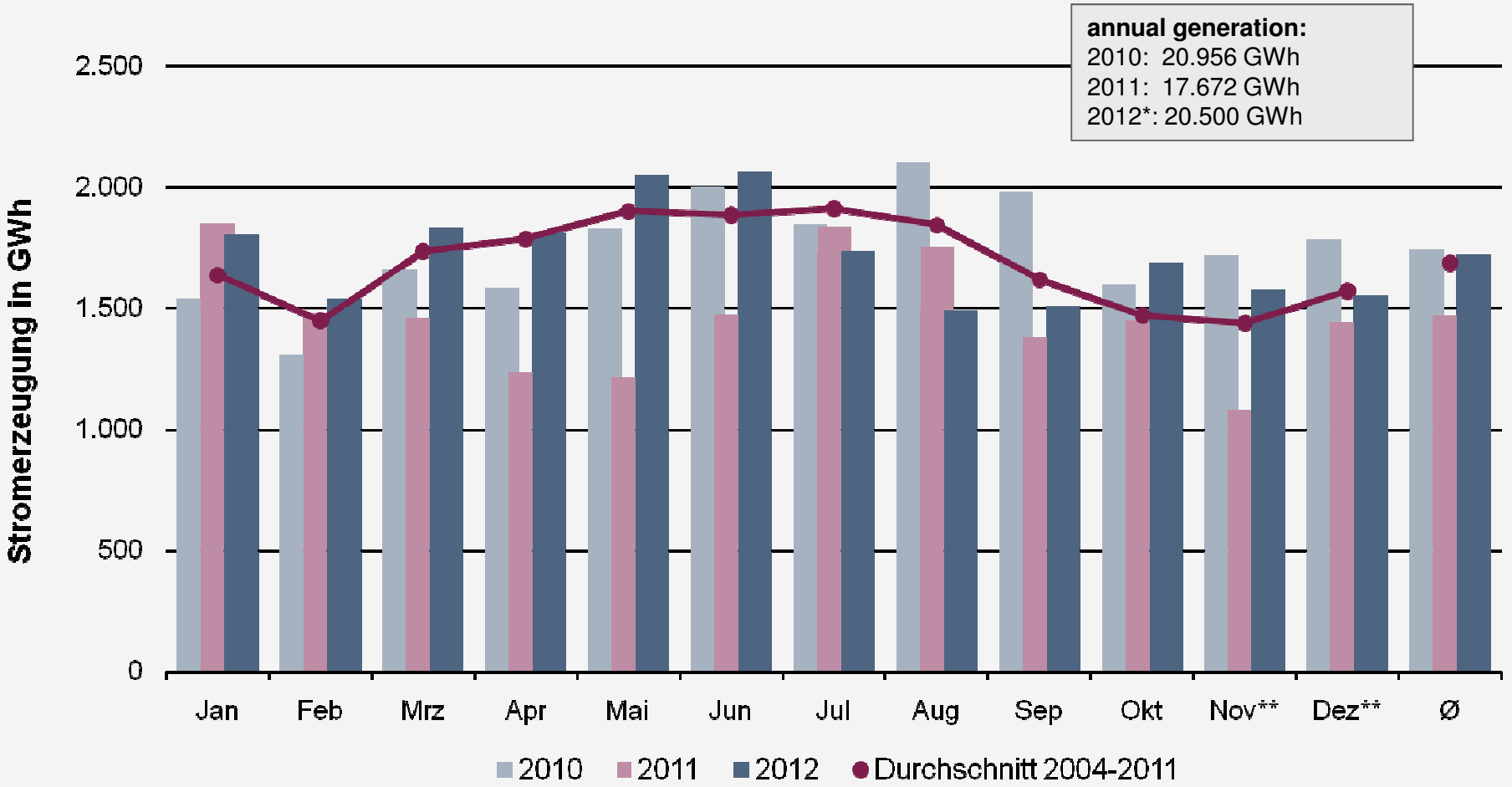
Generation from photovoltaic plants



Source: BDEW, status 01/2013

*provisional figures; partly estimated.
without own consumption

Generation from hydro power plants

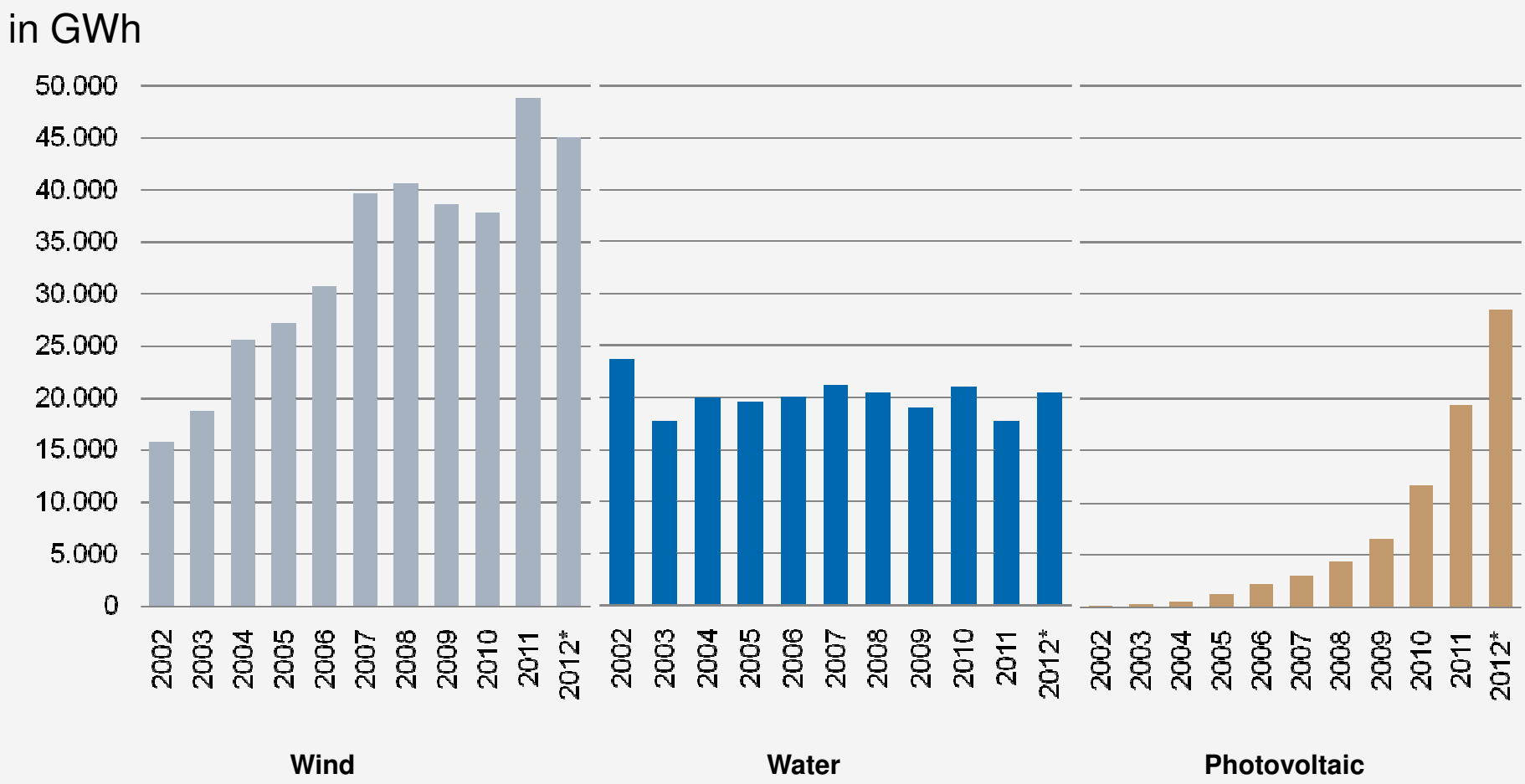


Source: BDEW

* provisional figure, ** estimated

Development of electricity generation from different renewable energy sources

bdew
Energie. Wasser. Leben.



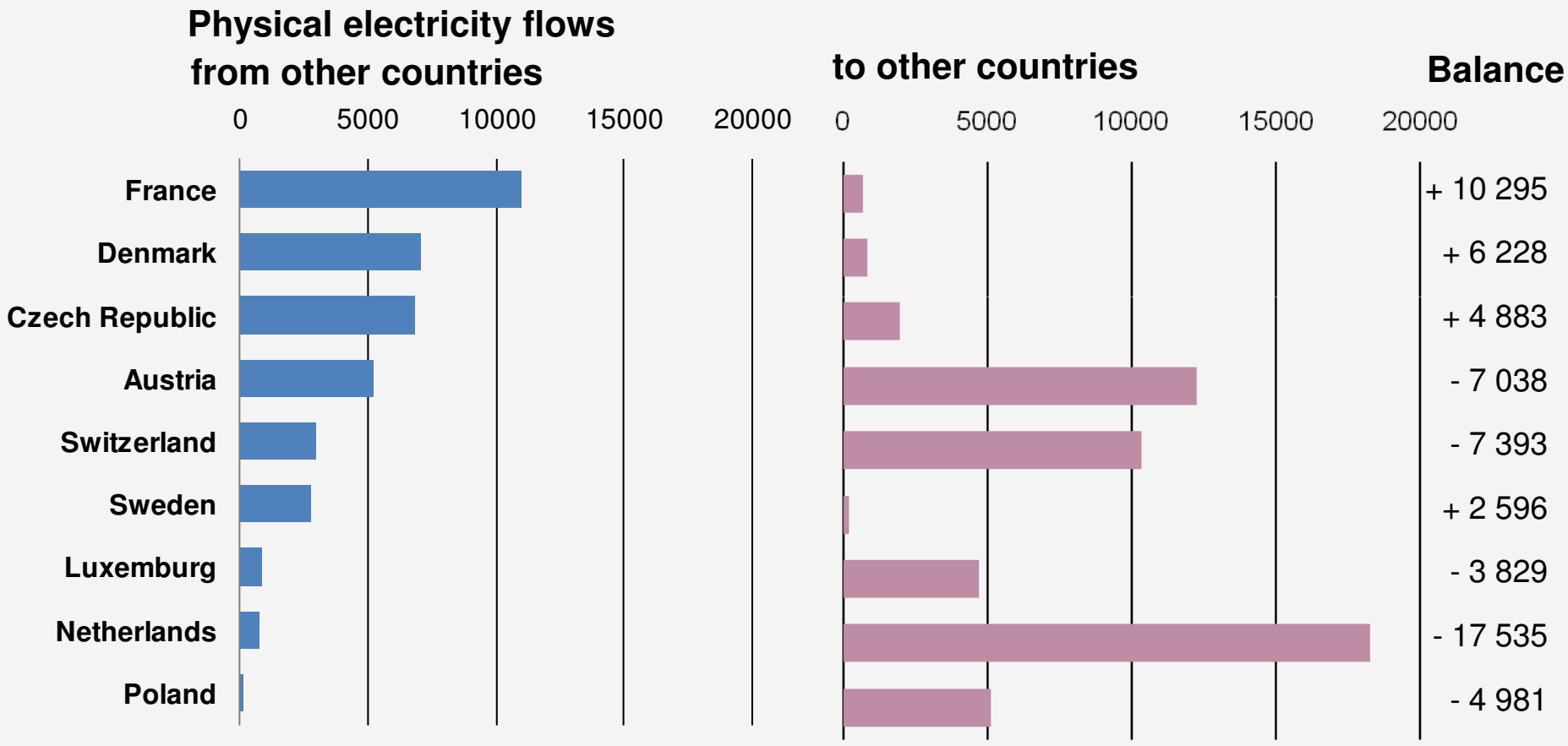
Source: BDEW

* provisional figures

Electricity exchanges with neighbouring countries

bdew
Energie. Wasser. Leben.

January to October 2012* (electricity quantities in million kilowatt-hours)



Source: BDEW, status: 12/2012

* provisional figures

Electricity generation and consumption in 2012/2011

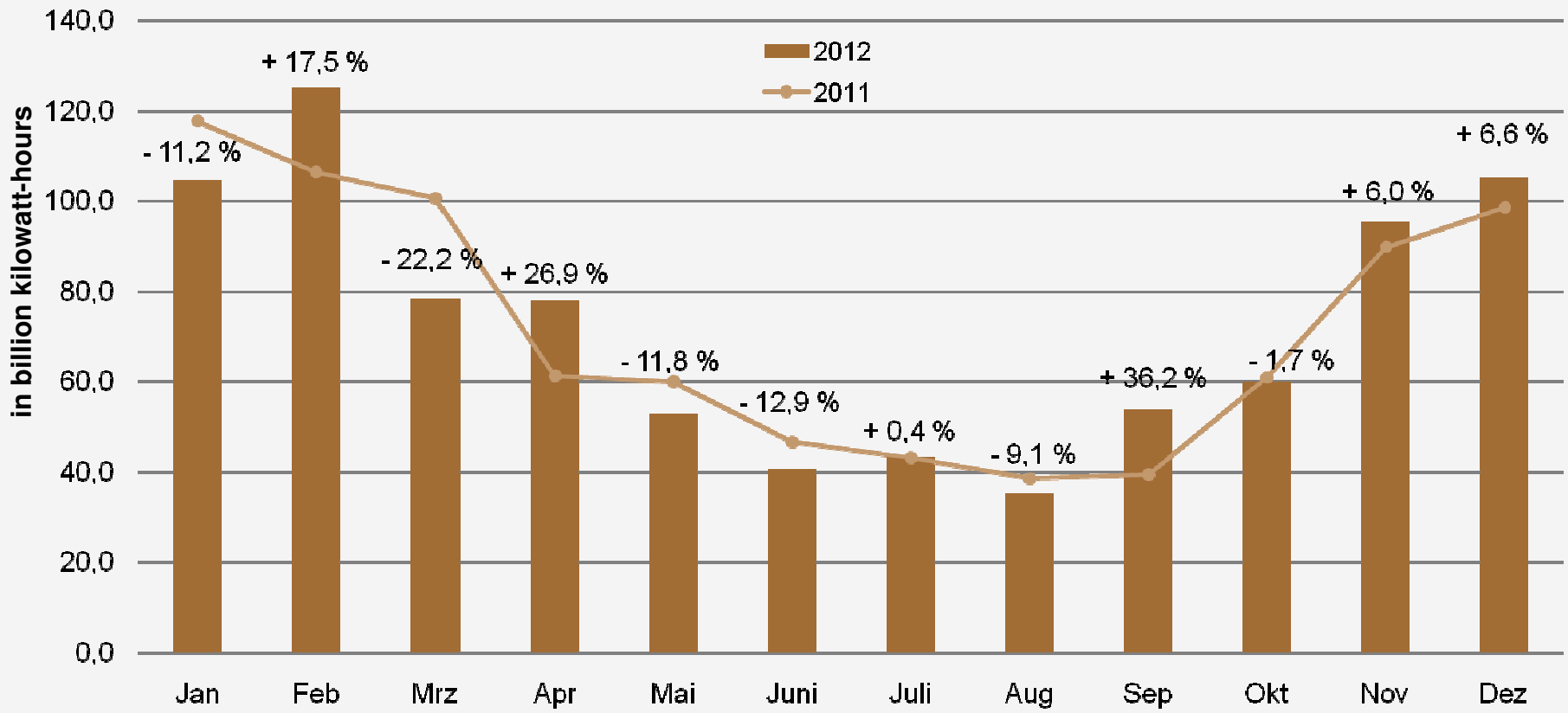
bdew
Energie. Wasser. Leben.

	2011 in TWh	2012 in TWh	Change
Gross generation, including:	**608.8**	**.**	**+1.3 %**
• Nuclear energy	108.0		-8.3 %
• Hydro power	17.7		+16.0 %
• Wind power	48.9		-7.9%
• Photovoltaic	19.3		+47.7 %
• Biomass	32.8		+9.7 %
• Municipal waste	4.8		+5.2 %
Net generation	547.0	582.0	+1.4 %
Consumption	560.0	552.3	-1.4 %

Source: BDEW, AG Energiebilanzen (estimated, rounding differences not adjusted)

Monthly natural gas consumption in Germany

873 billion kilowatt-hours*
(total changes compared to the same period of the previous year: + 1%)



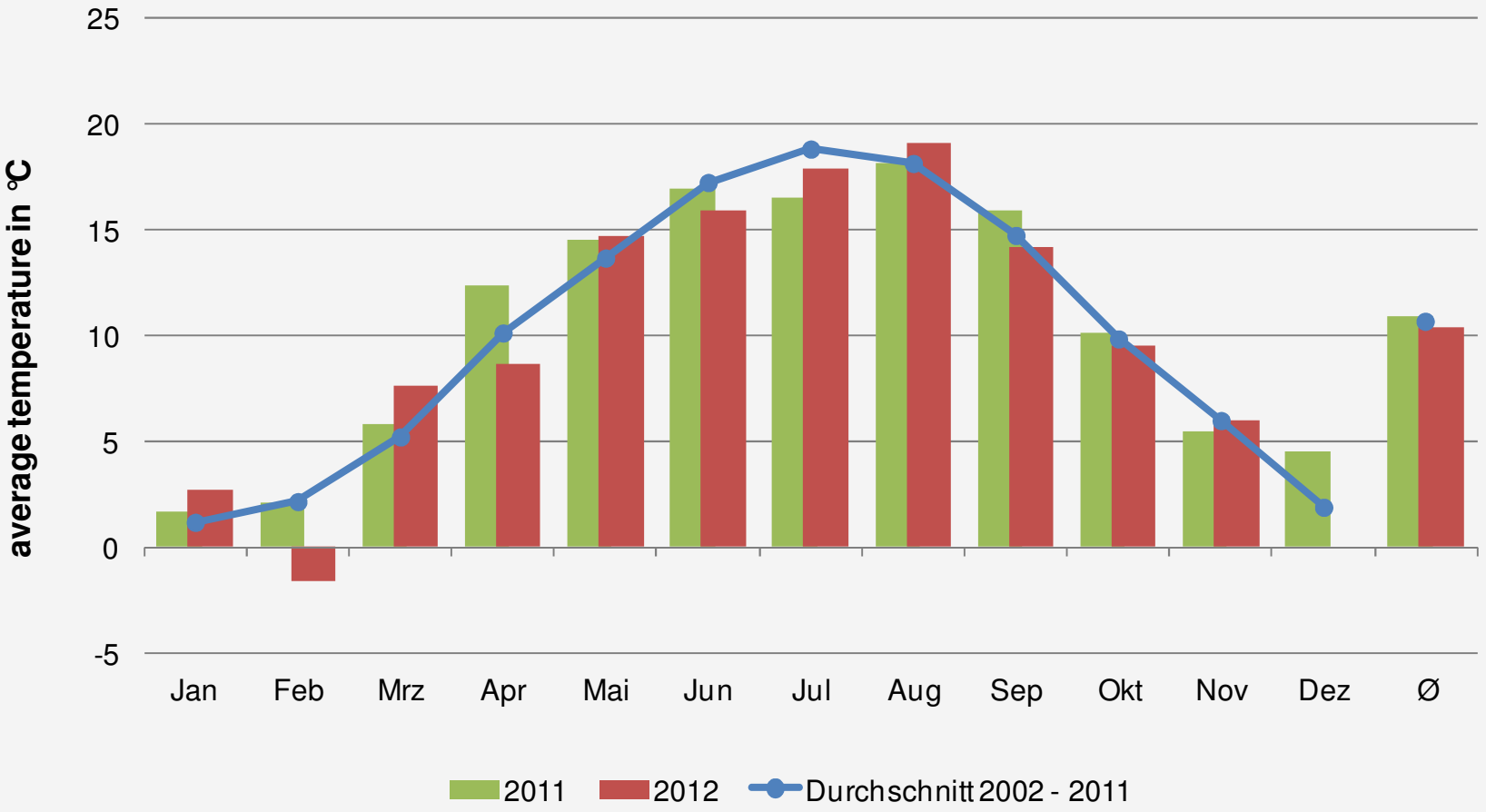
Source: BDEW, status: 12/2012

* provisional figure

Temperatures in 2011 and 2012

2012: Cold February and April, warm January and March

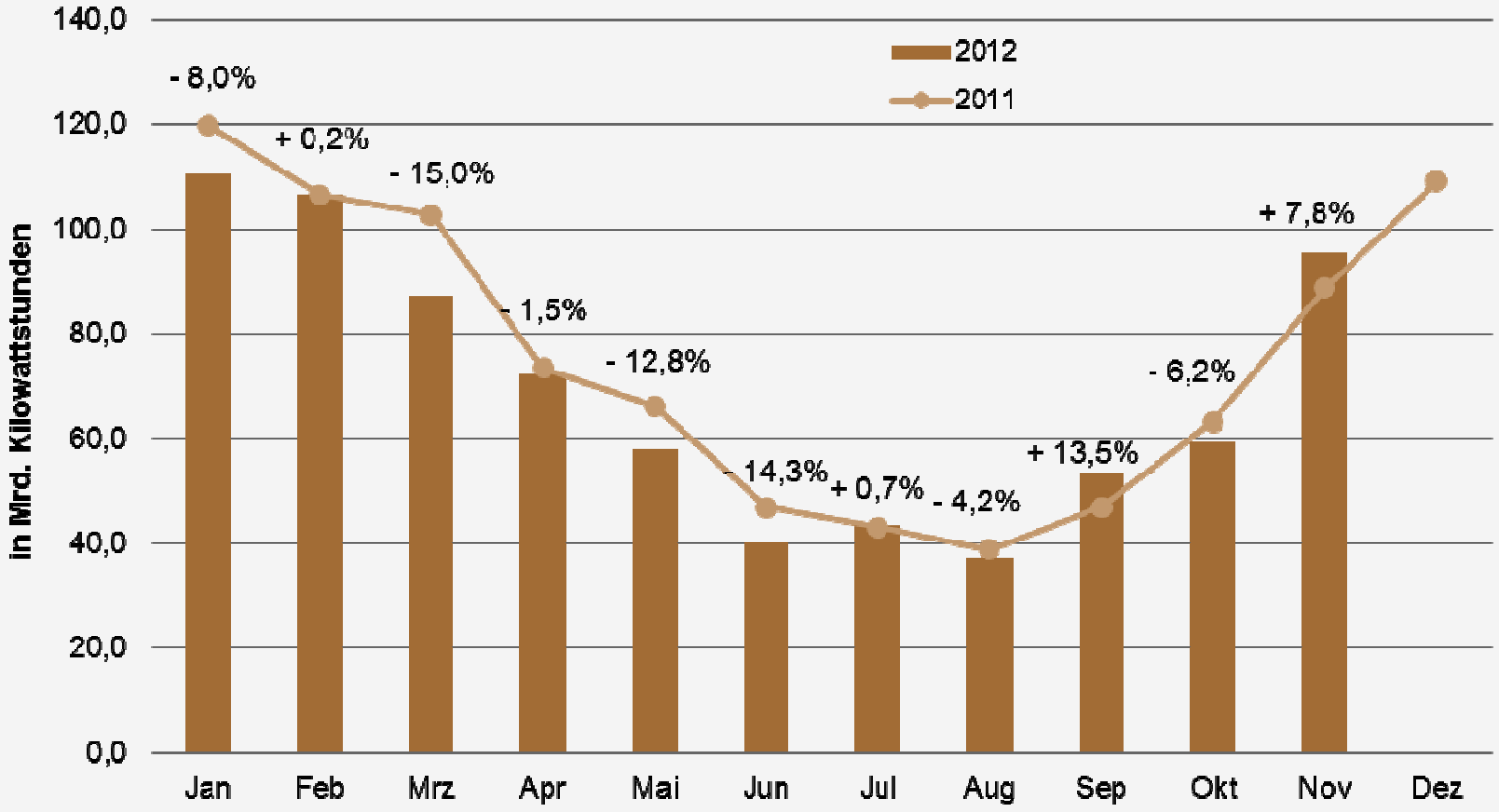
- Weighted as consumption indicator by the number of inhabitants per German Federal State as per 31/12/2010-
- Evaluation of 41 meteorological stations of the German Meteorological Service (DWD) -



Source: DWD, own BDEW calculation

Monthly natural gas consumption in Germany adjusted for temperature differences

Total change compared to the previous year: - 4.6 %*
(including adjustment for the leap day)

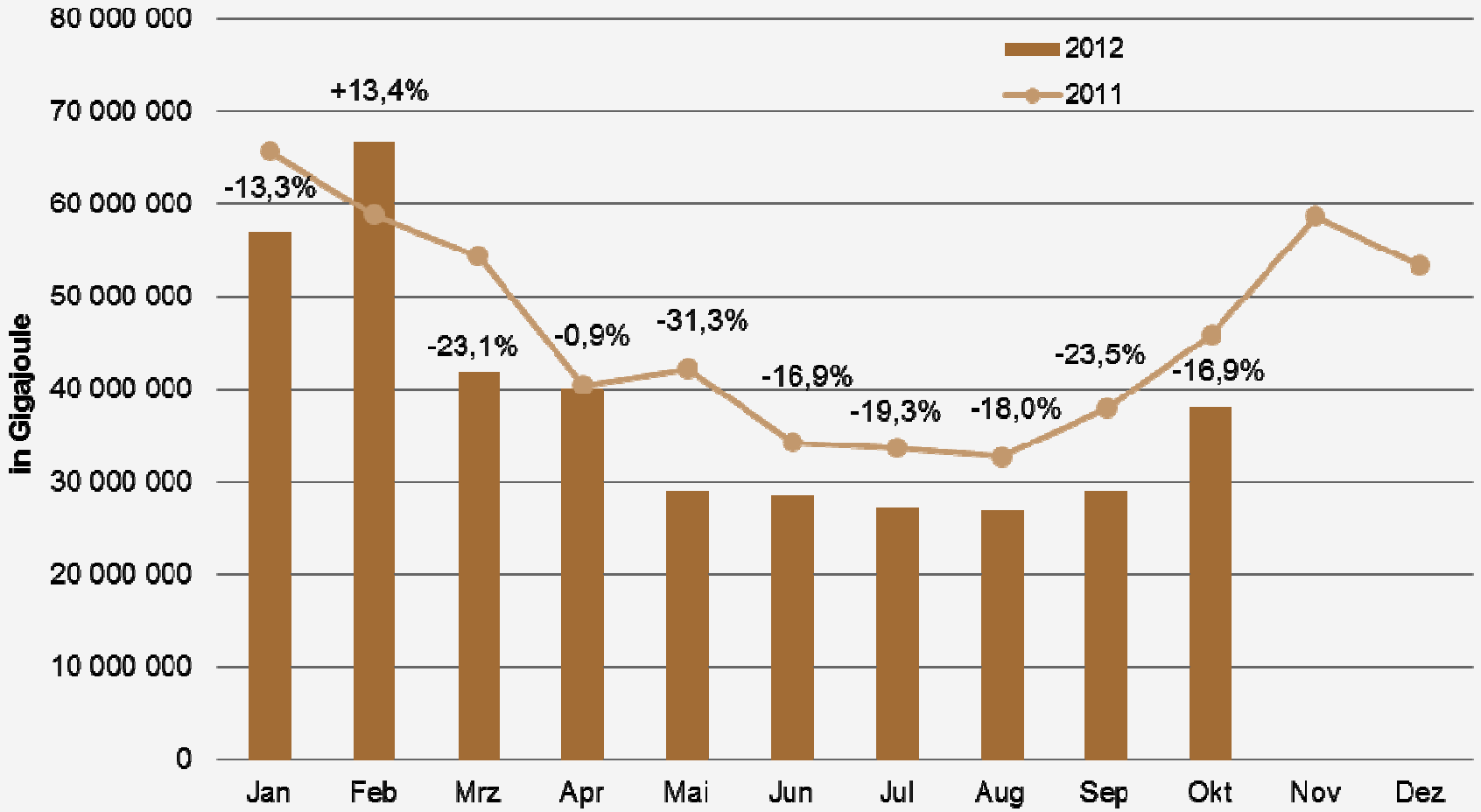


Source: BDEW, status: 12/2012

* estimated figure

Use of natural gas for electricity and heat generation in power stations of electricity suppliers*

Total change compared to the same period of the previous year: - 13.9 %

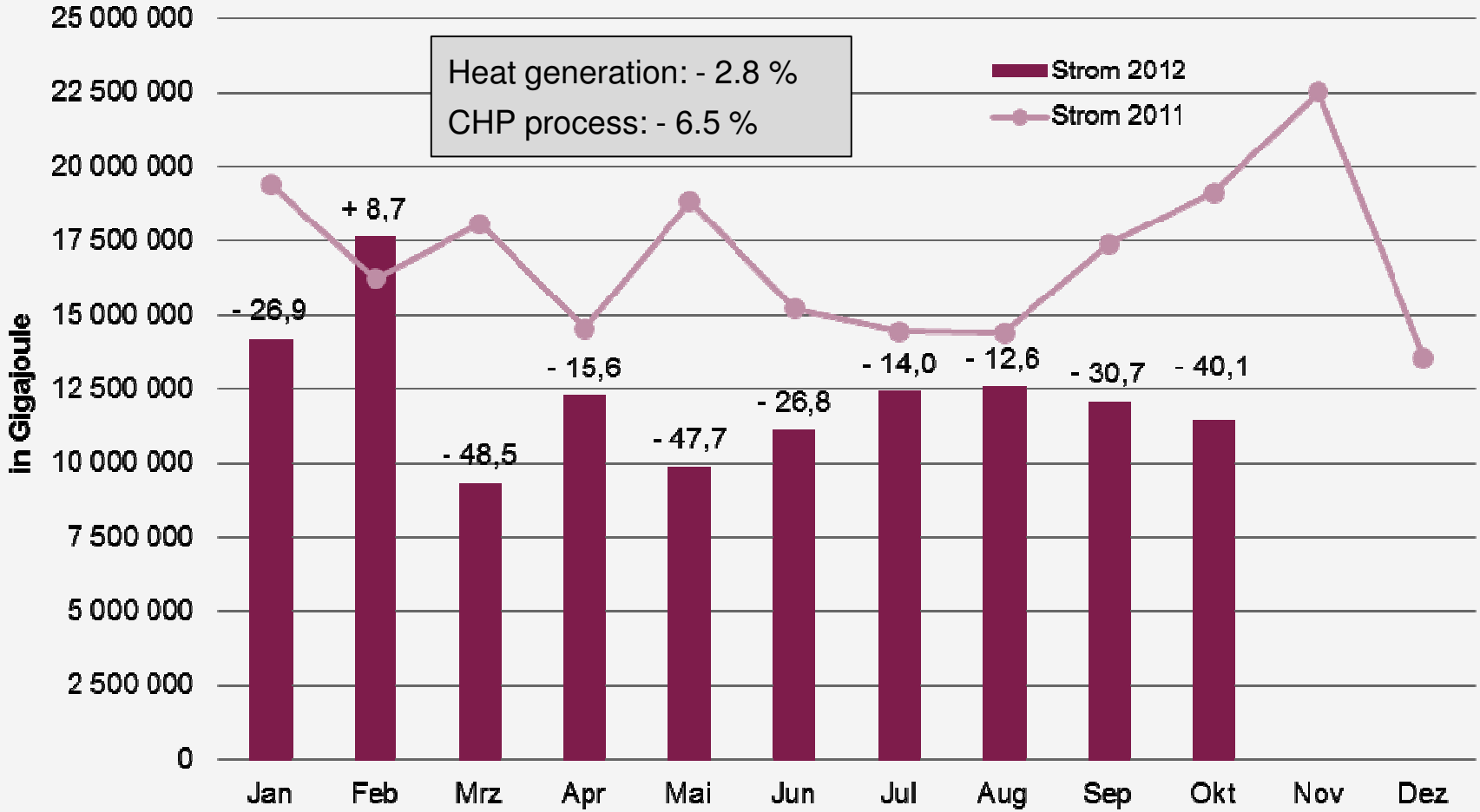


Source: German Federal Statistical Office, provisional data, status: 12/2012

* power stations > 1 MW_{el}

Use of natural gas for electricity generation in power stations of electricity suppliers*

Total change compared to the same period of the previous year – electricity only: - 26.7 %



Source: German Federal Statistical Office, provisional data, status 12/2012

* Power stations > 1 MW_{el}

bdew
Energie. Wasser. Leben.

Press Contact

BDEW Press Office
Frank Brachvogel
Press Spokesman

phone: +49 30 / 300 199 - 1164
presse@bdew.de