

An Overview

The 2016 figures

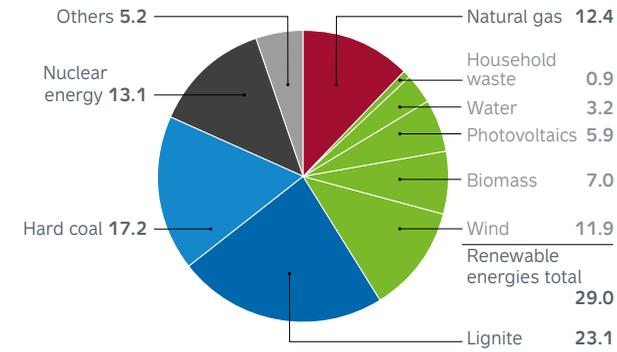
Raw coal extracted [mio. t]	
Jänschwalde opencast mine	10.0
Welzow-Süd opencast mine	23.8
Nochten opencast mine	14.8
Reichwalde opencast mine	13.7
Total	62.3

Refined products [kt]	
Lignite briquettes	627
Pulverised lignite	1,038
Fluidised-bed lignite	150
Total	1,815

Net-electricity generated [bill. kWh]	
Jänschwalde power plant	20.3
Boxberg power plant	17.6
Schwarze Pumpe power plant	11.4
Lippendorf power plant (LEAG's share)	5.6
Total	54.9

In Germany, nearly every fourth kilowatt-hour electricity is generated from lignite. In 2016 a total of 150 billion kilowatt-hours of electricity was generated by the lignite-fired power plant fleet.

Gross electricity generation in Germany 2016 [%]



Gross electricity generation

Germany in total: **648.4 billion kWh**

Source: AG Energiebilanzen e.V. (07.02.2017, may show differences due to rounding)



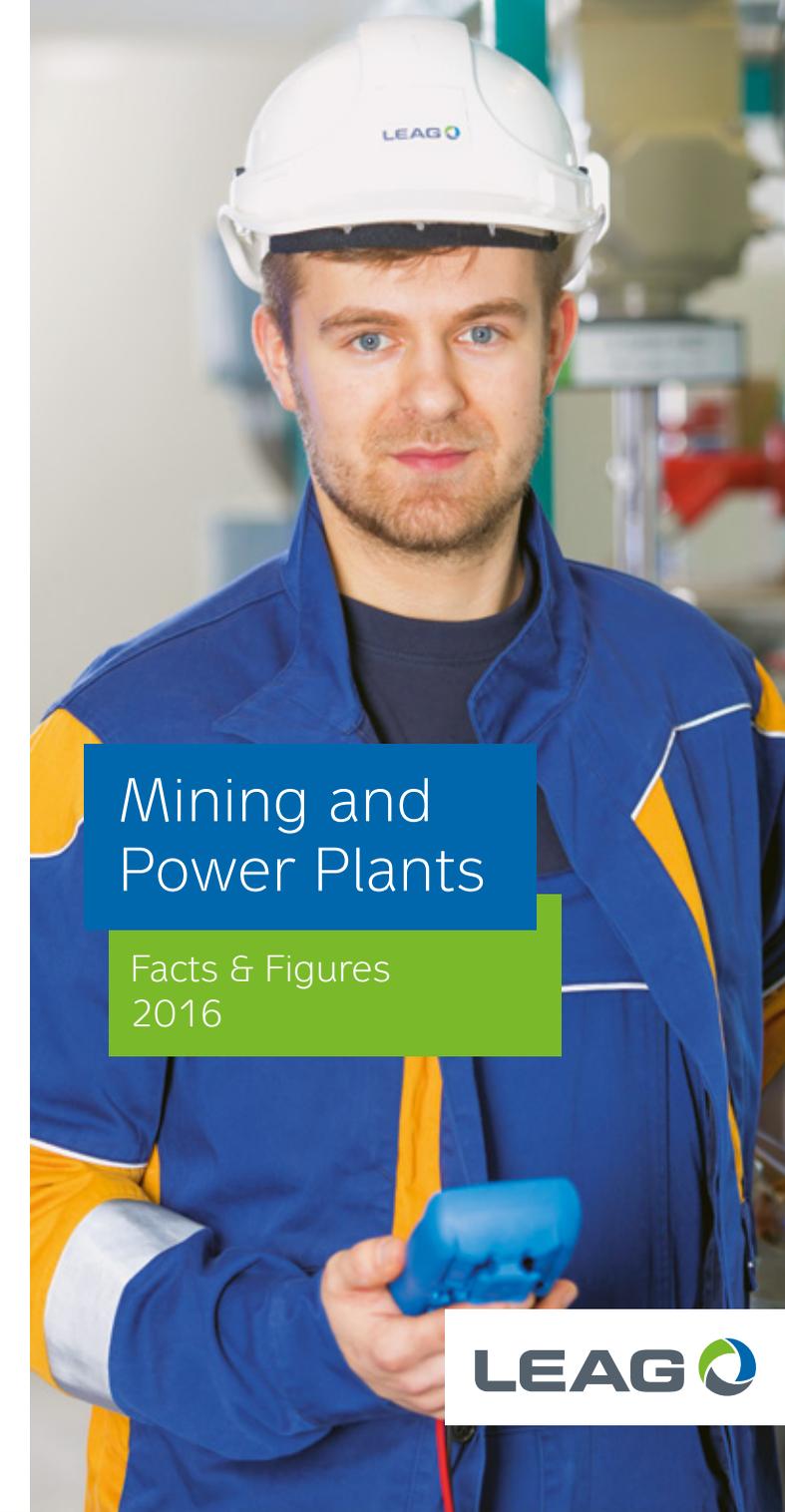
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Mining and Power Plants

Facts & Figures
 2016



Renatured Spreeaue floodplains near Cottbus



Memorial site Wolkenberg near Spremberg



Schwarze Pumpe power plant

Full of Energy

LEAG is the new brand name for energy originating from Lusatia and Central Germany. The LEAG-company Lausitz Energie Bergbau AG is responsible for the Lusatian opencast mines, from which 60 million tons of lignite is extracted each year. The power plant fleet is under Lausitz Energie Kraftwerke AG. Every tenth kilowatt-hour of electricity consumed in Germany is generated here. Between five and ten percent of the lignite mined is used to produce high-grade refined products.



Reichwalde opencast mine

Work and Apprenticeship

Approximately 8,000 employees work in the opencast mines, power plants and refining facility, as well as other fields, such as administration, technical services and central railways. This makes LEAG the largest energy company in eastern Germany and one of the largest private-sector employers in this region. Nearly 700 young persons are trained in 11 different training occupations in vocational training centres in Lusatia and at the Lippendorf power plant site.



LEAG's vocational training

Economic Power and Value Creation

The LEAG-companies' business activities have a contract value of around 900 million euro, for over 3,300 suppliers. These contracts secure jobs in the industrial sector and the service industry – in the surrounding areas of LEAG-sites as well as further afield.

The timely recultivation of the opencast mines ensures sustainable post-mining landscapes with diverse possibilities for subsequent use. An example of this is the support LEAG provides for the forest conversion program of the federal states Brandenburg and Saxony to establish a species-rich forest in the Lusatian mining district with over 30 million trees having already been planted on post-mining areas.

Further post-mining uses established are agricultural areas as a means of income, ecologically valuable areas for nature conservation and pit-lakes such as the Cottbuser Ostsee Lake being created from Cottbus-Nord opencast mine.

Post-mining landscape



Electricity and Heat – Flexible and reliable

Lignite is the most important domestic energy resource which safeguards a stable, competitively priced energy supply for industrial and household consumers. The LEAG-power plant's annual production alone, is ample to reliably cover the electricity needs of more than 15 million households.

Our power plants are able to react flexibly to the fluctuations in the supply of electricity generated from renewable energy sources, thus, having a stabilizing effect on the power supply system. Besides electricity, we also produce district heat for the city of Leipzig and towns in Lusatia, such as Cottbus, Spremberg, Weißwasser and Hoyerswerda among others. In addition, process steam is supplied for industrial uses.

We have been able to reduce our CO₂ balance by about 45% compared to 1990 by decommissioning old plants and with investments running into billions in optimising the existing plants and new-builds.

Modern power plant fleet

