



Federal Ministry  
of Economics  
and Technology

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# Germany's New Energy Policy

Heading towards 2050 with

Secure, Affordable and Environmentally Sound Energy

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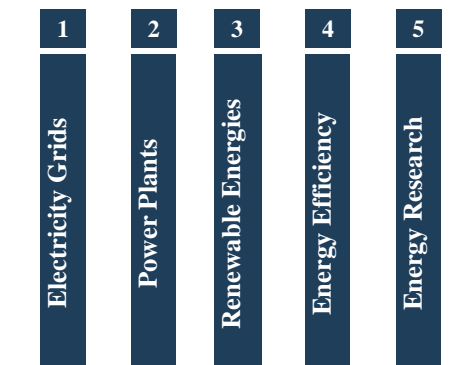
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## „Energiewende“ in Germany: conceptual action plan



1 Electricity grids



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**Federal Requirement  
Plan Act  
(transmission grid)**

- Basis for the **expansions of the transmission grids** and the planning of power lines.
- Need for **2800 km of new power lines** and the upgrading of **2900 km existing power lines**.

Source: Federal Network Agency (BNetzA)



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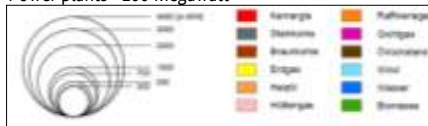
2 Conventional power stations

**Conventional Power  
Plants are still needed:**



**Security of supply  
requires non-  
fluctuating capacity**

Power plants >100 Megawatt



Source: Federal Environmental Agency, 2013



## Energy efficiency: Information, incentives and regulatory standards

- **Buildings** account for **40 %** of German energy consumption
- **Building support:** “Energy efficient retrofits” program  
> increased to 1.5 bn € per year
- **Consumer information:** “Energy efficiency fund”  
> for households and enterprises
- **Product standards and labeling:** EU standards for minimum energy efficiency and energy labelling



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## Energy research for cutting-edge technologies

- **New Energy Research Program of 2011:**  
German federal government has raised funding for energy research by 75 %  
> **3.5 bn €** for 2011 to 2014  
> projects of **companies** and **research institutes**
- **First programs**  
> Energy **storage** (already started)  
> Electricity **grids** (procurement process)



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## International cooperation yields mutual benefits

**International cooperation** leads to mutual benefits  
(security of supply, climate protection/ R&D)

- Cooperation with international partners in different international and multilateral fora:
- Bilateral energy dialogues and partnerships (e.g. India, Tunisia, Morocco)



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**Thank you for your attention!**

Further information on energy policy in Germany:

<http://www.bmwi.de/EN/Topics/energy.html>

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