

Deutsche Telekom and Climate Protection Initiatives

"Business initiatives for world-wide climate protection"

Side Event at COP11 & COP/MOP1

e5 - European Business Council for Sustainable Energy

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Deutsche Telekom at a glance.

... and why climate change is an important issue for us.

Deutsche Telekom is one of the world's leading companies in the telecommunications sector.

By focusing on the three strategic growth areas of Broadband/Fixed Network, Business Customers and Mobile Communications, Deutsche Telekom is consistently aligning itself with the needs of its customers.

The Group commits itself to the philosophy of sustainability and pursues its business activities according to economic, social and ecological criteria.

- Annual revenue (2004): € 57.9 billion
- Represented worldwide in around 50 countries
- Employees: around 170,000 (Germany); around 74,000 (abroad)

Energy Consumption & CO2-Emissions in 2004

	Electrical Power		Total Power	
	GWh	CO2-equiv. t/a	GWh	CO2-equiv. t/a
Germany	2.973	1.578.663	3.718	1.763.423
Abroad	1.416	1.037.928	1.813	1.145.118

Business initiatives for climate protection.

Where Deutsche Telekom plays an active role.

For Deutsche Telekom, being member of a business initiative for climate protection means taking responsibility and being a proactive leader.

So we do (or did), for instance, at the following initiatives:

- **e5 - European Business Council for Sustainable Energy**
- **e-mission55 - Business for Climate (finished)**
- **Hesse-Tender - Initiative for the purchase of CO2 emission reductions**
Pilot- and demonstration project to test tools of an emissions trading system
(2001 – 2003)
- **GeSI - Global e-Sustainability Initiative**
An initiative of Information and Communications Technology (ICT) service providers and suppliers, with the support of UNEP and International Telecommunication Union.
DT is head of the "Climate Change Working Group".

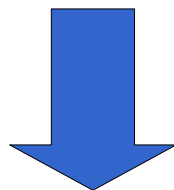
For us, the most important "climate initiative" is

- **to take responsibility for its own emissions and to raise credibility by appropriate climate protection measures**
- **to show other companies what they can do if they want to help slowing down global warming**

Deutsche Telekom's eight basic principles of climate protection.

Some highlights.

- **We recognize the climate change caused by man, support the Kyoto Protocol, and will continue to make an active contribution towards climate protection as an early mover.**
- **We assume shared responsibility for the air pollutants incurred during the generation of electricity. For this reason, we aim to incorporate a rising proportion of regenerative energies into our electricity purchases.**
- ...



To fulfill these basis principles of climate protection we agreed upon a group wide "climate protection concept" including the following key elements:

- **Decarbonization of the energy supply**
(energy purchases, fuel cells, regenerative energy sources)
- **Increasing efficiency**
(information and communication systems, emergency power supply and air conditioning, buildings, vehicle fleet)

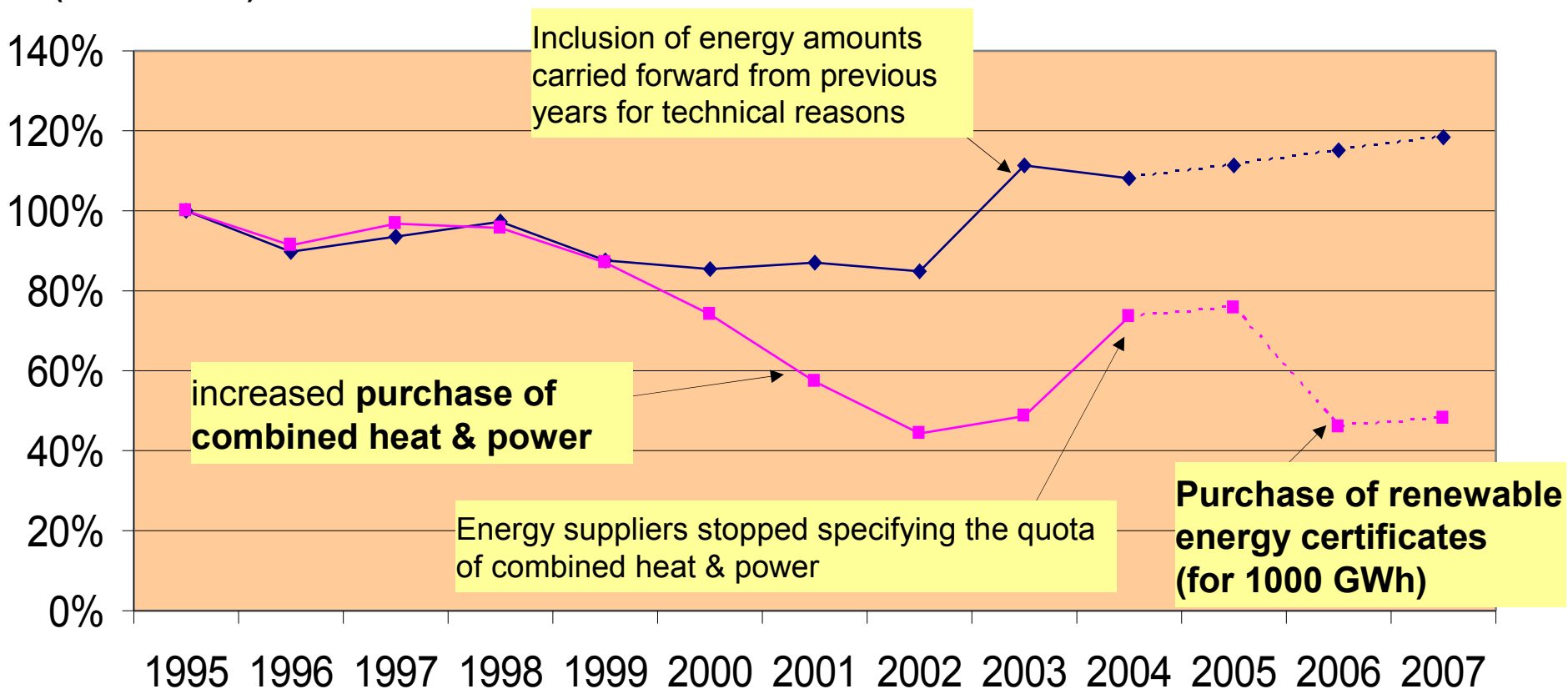
Decarbonization of the energy supply.

Example: Specific purchase of electrical power.

Electrical energy consumption & CO₂-emissions (1995 = 100%)

Decoupling energy consumption from CO₂-emissions is reality!

◆ energy consumption
 Telekom Germany
 ■ CO₂äqui-emission



Numbers valid for Deutsche Telekom in Germany

Increasing energy efficiency.

Example: Fuel Cell in Munich.

Manufacturer:

MTU, Friedrichshafen / Munich

**Type: High temperature fuel cell
HM 300 (HotModule)**

Fuel: Natural gas

Max. electrical power: 250 kW

Max. thermal power: 180 kW

Max. efficiency: about 90%

- **Electrical power is used for UMTS.**
- **Thermal energy is used for heating in winter and for cooling in summer.**

**Faultless operation since
September 2002.**

