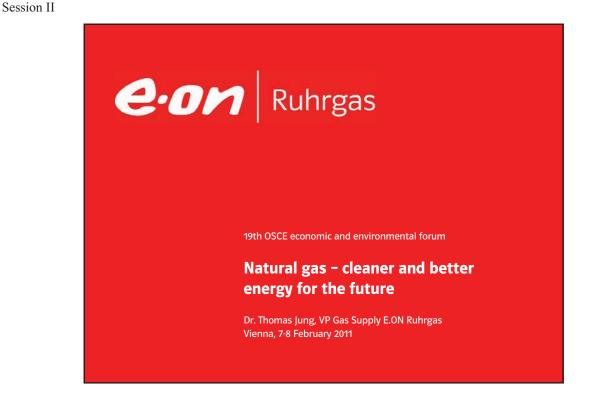
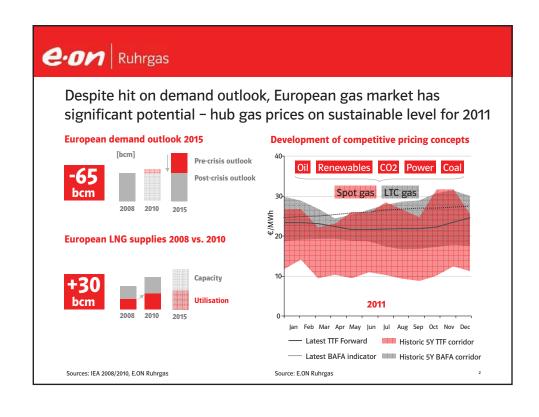
19TH OSCE ECONOMIC AND ENVIRONMENTAL FORUM "Promotion of common actions and co-operation in the OSCE area in the fields of development of sustainable energy and transport" FIRST PREPARATORY MEETING (DEVELOPMENT OF SUSTAINABLE ENERGY) Vienna, 7-8 February 2011

**ENGLISH** only





## e-on Ruhrgas

Decarbonisation of European economy is challenging natural gas as a green future energy...



- EU aims at GHG-reduction of 80%-95% by 2050
- Uncertain gas demand outlook for <u>2030</u>
  - Eurogas 620 bcm
  - IEA 450ppm 460 bcm △ 160 bcm





- · German energy concept with road map until 2050
- Huge investments in renewables and energy efficiency
- Role of natural gas not appropriately dealt with

\* Share Renewable Energy Sources in Primary Energy Demand

## **C-ON** Ruhrgas

... but gas has the potential to secure climate-friendly energy supplies

Secure long-term gas supplies



- Natural gas balances the triangle of energy policy
- Further diversification of routes and sources (e.g. Nord Stream) needed
- LTCs should remain the basis for future gas supplies to Europe

Adapted LTCs with important role in new environment



- Efficient sales channel for producers of large volumes
- Security of investments in upstream and transport sectors
- Traditional LTC pricing needs to be adjusted to new market conditions

4



E.ON Ruhrgas is committed to cleaner & better gas supplies – market development and integration of power & gas systems

#### **Systematic product placement**

- Replacement of old heating systems (oil & gas)
- Market implementation of clean gas technologies (micro-CHP, CNG)
- Development of biomethane as renewable energy







### Integration of power & gas systems

Gas-to-Power





Point-of-use cogeneration e.g. large scale & micro-CHP

Power storage e.g. power to methane



Note: selected technologies only

# **C-ON** Ruhrgas

19th OSCE economic and environmental forum

Natural gas - cleaner and better energy for the future

Dr. Thomas Jung, VP Gas Supply E.ON Ruhrgas Vienna, 7-8 February 2011