

**UNECE COMMITTEE ON
SUSTAINABLE ENERGY**
November 2010 Session

**Report on the work of UNECE Ad Hoc
Group of Experts on Cleaner Electricity
Production**

Geneva, 25 November 2010



Sixth session, 22-24 November 2010, Geneva

- **More than 90 participants from 35 countries**
- **Governments, private sector and other international organizations**
- **Focus on fostering investments in power generations**
- **Follow-up to the fifth session held in Montreal in the framework of the World Energy Congress**
- **Partnership with EBRD, WEC and e8**



Sixth session, 22-24 November 2010, Geneva

- **Important synergies with partners**
- **EBRD – multibillion loan facility for power generation**
- **World Energy Council – the ultimate authority on energy and electricity with all major electricity companies being members**
- **E8 – an association of 10 among the world largest electricity producers**
- **One-stop partnership**



Sixth session, 22-24 November 2010, Geneva

- **Just approved UNDA project on mitigating climate change through fostering investment in cleaner power generation**
- **In cooperation with UNDESA, ESCAP and possibly UNCTAD**
- **9 countries covered: including Ukraine, Kazakhstan China and India**
- **The first meeting of the advisory board of the countries concerned 21 Jan 2011 in Geneva**



CLEAN ELECTRICITY PRODUCTION FORUM

**In the framework of the UNECE-e8-
EBRD-WEC cooperation**

**Sixth Session of the UNECE Ad Hoc
Group of Experts on Cleaner Electricity
Production**

Geneva, 22 November 2010



Power generation sector in economies in transition

- Power plant fleet largely obsolete
- Average age close to 50 years
- Low efficiency, outdated technology
- Efficiency from 15 to 30 percent in most cases
- Some new plants recently



Pressing issues

- **Low productivity – 20 % of developed**
- **Inefficient supply chain**
- **Transmission and distribution lacking investment as well**
- **End user price generally below economic levels**
- **Pollution high**



Investments required

- **Estimate – around €250-300 billion**
- **Beyond means of economies in transition**
- **IFI of help but too small to take the burden**
- **Coupled with political, technological, cost and logistic challenges**
- **FDI the main source**



How to secure investments?

- **Role of the UNECE-E8-EBRD-WEC joint initiative**
- **Strong endorsement by the UNECE member-countries**
- **Follow-up on Montreal conclusions**
- **Montreal results**
- **Focus of the UNECE secretariat**



CLEAN ELECTRICITY PRODUCTION FORUM

**In the framework of the UNECE-e8-
EBRD-WEC cooperation**

**Sixth Session of the UNECE Ad Hoc
Group of Experts on Cleaner Electricity
Production**

Geneva, 22 November 2010



**UNECE COMMITTEE ON
SUSTAINABLE ENERGY**
November 2010 Session

**Report on the work of UNECE Ad Hoc
Group of Experts on Cleaner Electricity
Production**

Geneva, 25 November 2010

