G8 Action Plan for Climate Change
Coal Related Activities by the IEA

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2-3 February 2006
UNECE Geneva

Action Plan on Climate Change

Powering a Cleaner Future
The G8 Request – Task 13
We will support efforts to make electricity generation from coal and other fossil fuels cleaner and more efficient by:

- Supporting IEA work in major coal using economies to review, assess and disseminate widely information on energy efficiency of coal-fired power plants; and to recommend options to make best practice more accessible;

- Inviting the IEA to carry out a global study of recently constructed plants, building on the work of its Clean Coal Centre, to assess which are the most cost effective and have the highest efficiencies and lowest emissions, and to disseminate this information widely;
Work Plan (1)

- CCC upgrades its database to cover efficiency issues in an appropriate manner and to fill gaps, notably for the Former Soviet Union.

- The IEA will use the resulting efficiency information for trend analysis and reporting, including dissemination of the findings and database access.

- A key deliverable will be an assessment of a widespread upgrading and replacement of coal-fired plant in the major coal-using economies and a role of this replacement and upgrade amongst CO2 mitigation options, including findings about costs.

- The IEA will also gather information on best practice in power plant operation and include commentary on future component developments that could lead to improved efficiencies.

Work Plan (2)

- The CCC will undertake a series of 9 case studies on the costs, efficiencies and emissions performance of the most recently constructed fossil-fired power plants that would cover the principal geographic regions of interest and a range of fuels (coal, lignite, gas and oil refinery residues).

- Dissemination of findings from the work is proposed through regional workshops organised by the IEA and through the Clean Coal Technology conference series organised by the CCC IA.
CoalPower5

CD-ROM and website
Designing and building new completely web-based databases
Database Build up

- Need to estimate and include efficiencies
- Other sources: EC project on Russia and S America, VGB for Europe
- Ad hoc Group members may help with data?

IEA GHG Activities for G8 Response
IEA Response (1): Early Opportunities

- ‘Early opportunities’ workshop organised by
  - IEA / IEAGHG / EOR IA.
  - Support from WPFF, CIAB, CSLF, Industry
  - Norway offered to host
  - Publication based on workshop proceedings

IEA Response (2): Capture-ready

- Assuming IEAGHG starts capture ready study
- IEA will add commentary on impact of policy instruments.
- Will be co-ordinated with IEA WPFF plans to publish outreach materials.