

DEPARTMENT OF ENERGY

CHARTER

CLIMATE CHANGE SCIENCE PROGRAM PRODUCT DEVELOPMENT  
ADVISORY COMMITTEE

1. Committee's Official Designation:

Climate Change Science Program Product Development Advisory Committee  
(CPDAC)

2. Committee's Objectives and Scope of Activities and Duties:

- (a) The CPDAC will draft specific Climate Change Science Program (CCSP) Synthesis and Assessment Products at the request of the Department of Energy in accordance with the CCSP Guidelines for Producing the CCSP Synthesis and Assessment Products.
- (b) The CPDAC will update the Department of Energy on progress toward completion of the products and CPDAC will agree upon the contents of the products before advising the Department of Energy to adopt the language.
- (c) The CPDAC will comply with the Department of Energy's Information Quality Act guidelines in the development of the CCSP Synthesis and Assessment Products.

3. Time Period Necessary for the Committee to Carry Out Its Purpose:

The CPDAC requires approximately two years from the current expiration date of the charter to carry out its purpose.

4. Official to Whom This Committee Reports:

The Committee reports to the Director, Office of Science.

5. Agency Responsible for Providing Necessary Support for This Committee:

The Department of Energy. Within the Department, primary support is furnished by the Office of Science.

6. Description of Duties for Which the Committee is Responsible:

The duties of the Committee are solely advisory and are stated in paragraph 2, above.

7. Estimated Annual Operating Costs in Dollars and Staff Years:

\$150,000; one-half staff year.

8. Estimated Number and Frequency of Meetings:

The committee will meet at the call of the Designated Federal Officer, approximately twice a year.

9. Committee's Termination Date (If less than two years from date of establishment or renewal):

Not applicable.

10. Subcommittee(s):

To facilitate the functioning of the CPDAC, there are two subcommittees. The objective of one subcommittee is to draft an assessment report of climate models, their uses, limitations, sensitivity, feedbacks, and uncertainties.

The objective of the second subcommittee is to draft two reports, one that provides updated scenarios of greenhouse gas emissions and concentrations. This report includes: (1) a summary of the scenarios for interested non-specialists; (2) documentation and discussion of the scenarios; and (3) information about the integrated assessment models used to generate the scenarios, including pertinent, aggregate-level, numerical information reported consistently across all scenarios and associated "reference" cases, such as for example, emissions trajectories, energy contributions over time, and population trajectories.

The second report of this second subcommittee is a state-of-the-art review of the development and application of integrated scenarios of greenhouse gas emissions. The report reviews and evaluates how the science and stakeholder communities define, develop, implement, and communicate scenarios in the global climate change context, and how this process might be enhanced or improved. It includes a review of past scenario development and application efforts.

All subcommittee members must be members of the full committee. Subcommittee meetings will comply with the open meeting and notice provisions of the Federal Advisory Committee Act.

11. Members:

- (a) Committee members shall be appointed by the Under Secretary for Science.

- (b) Members shall be experts in pertinent fields such as: climate modeling, including uses of climate models, climate model sensitivity, feedbacks, and uncertainties; and scenarios of greenhouse gas emissions and concentrations, including their application.
- (c) Approximate number of Committee members: 29.
- (d) Each member shall be appointed for a term of 2 years, and will serve at the discretion of the Under Secretary for Science. Should the Department undertake additional CCSP products, appointments are renewable if the member has expertise in fields relevant to the additional specified CCSP Synthesis and Assessment Products undertaken by the Department of Energy.
- (e) The Committee members may include full-time Federal officials, and will include full-time non Federal experts who will be appointed as special Government employees.
- (f) Members will be selected with a view toward achieving a balanced representation in members' expertise and scientific views and representation of organizations with interests in the products provided by the Committee, should the Committee's tasks require such representation.

12. Chairperson:

The Chairperson shall be appointed by the Under Secretary for Science.

This Charter for the Advisory Committee named above is hereby approved on:

3-17-2008  
Date

Signed  
Carol A. Matthews  
Acting Committee Management Officer

3-17-2008  
Date Filed