

**Facesheet**

(Tick ✓ one) ( ) Project seeking APEC funding ( ) Progress Report ( ) Evaluation Report  
 (Tick ✓ one) ( ) Operational Account ( ) TILF Special Account (X) Self-funded Project

<b>Project number:</b> (To be filled in by Secretariat)		Date received by Secretariat:	Late / Not late ( ) ( )
<b>Name of Committee/Working Group:</b> Expert Group on Clean Fossil Energy/Energy Working Group			
<b>Title of Project:</b> Joint Coal Flow/Coal Technology Seminar in the People's Republic of China			
<b>Proposing APEC Member:</b> USA			
Co-sponsoring APEC Member(s): China, Korea, Japan, Australia			
<b>Project Overseer: Name, Title and Organisation</b> (M) Scott M. Smouse, Chair APEC Expert Group on Clean Fossil Energy			
<b>Postal address:</b> U.S. Department of Energy National Energy Technology Laboratory P.O. Box 10940 Pittsburgh, PA 15236-0940 USA		Tel No: 412-386-5725 Fax No: 412-386-4561 Email: <a href="mailto:scott.smouse@hq.doe.gov">scott.smouse@hq.doe.gov</a>	
Financial Information	Total cost of proposal (US\$): 150,000	<b>Amount being sought from APEC Central Fund</b> (US\$): 0	
Type of Project: ( ) seminar/symposium ( ) short-term training course (X) survey or analysis and research ( ) database/website ( ) others (Please specify)			
Project start date: June 2002		Project end date: December 2002	
<p><b>Project Purpose:</b>          The Expert Group on Clean Fossil Energy (EGCFE) will continue its coal program series by holding the 9<sup>th</sup> Coal Flow Seminar and 10<sup>th</sup> Clean Fossil Energy Technical Seminar in China in late October 2002. The Government of China has agreed to host these meetings during four days of activities, including a site visit. The EGCFE Business Meeting will also be held at the conclusion of this joint meeting.</p> <p>Specific details of the joint meeting have not been finalized with the host economy; however, a preliminary proposal has been offered by China and discussed at the EGCFE Business Meeting in Malaysia on March 6, 2002. It is envisioned that the program for the next joint Coal Technology/Coal Flow Seminar maintain the integrity of the individual Coal Flow and Coal Technology programs while building upon and strengthening the issues common to the two programs. The Workshop will focus on coal upstream and downstream issues. Environmental issues as they pertain to power generation and the increased use of coal will be emphasized. Speakers will be invited to attend from the entire APEC region. Networking opportunities as well as exchange of information are the primary objectives of this series of meetings. If past meetings can be used as a guideline, a better understanding of China's energy situation will lead to cooperative efforts between member economies to overcome energy-related issues in the APEC region.</p> <p>No new APEC funds will be requested from the operational fund. China will be requested to provide for meeting rooms, site visit logistics, and to possibly host a reception(s). This approach is similar to the one taken with all prior EGCFE workshops. The United States will also provide resources to cover activities not specifically the responsibility of the host economy, or the Coal Technology/Coal Flow Program. A Project Steering Committee, consisting of the United States, Japan, and Korea will meet with the China host economy to finalize details in May 2002.</p>			
<b>Signature of Project Overseer:</b> (Separate written confirmation acceptable for e-mail submission)		Date:	

**Signature of Committee Chair/WG Lead Shepherd:**  
*(Separate written confirmation acceptable for e-mail submission)*

**Date:**

## **FORMAT FOR PROJECTS SEEKING APEC FUNDING**

This format should be completed with reference to the Guidebook on APEC Projects. It is recommended that the “Guide to Strengthening Project Management and Performance” would be a useful reference. Both Guides are available on the APEC Secretariat website at *www.apecsec.org.sg*

Please note that items followed by an asterisk (\*) fall within the category of criteria which relate to “APEC values” in the Criteria of Assessment of APEC projects set out in Annex B.

*Please provide your answers in point form or as succinctly as possible below each paragraph heading.*

### **A. PROJECT DESIGN**

#### **Project**

1. *Name of project.*

Joint Coal Flow/Coal Technology Seminar in the People's Republic of China

2. *Name of the working group or committee taking responsibility for the project and the dissemination of its results.*

APEC Energy Working Group/Expert Group on Clean Fossil Energy (APEC EGCFE)

#### **Objectives**

3. *Describe the objectives/justification for the project. Describe briefly how you will measure your results (in the short and longer term) to know if your project has been successful. (You must provide detailed assessment measures in paragraph 19).*

The majority of APEC member economies are large users of fossil fuels and plan to increase their consumption in the future. Coal still accounts for 34% of existing power generating capacity in the APEC region. Information on the most cost-effective ways to expand coal production and use while reducing to a minimum the environmental impacts are of key importance and common to all APEC economies.

The EGCFE believes that the ongoing series of seminars on coal flow and clean fossil energy technologies provides a valuable ongoing forum for the timely exchange of information, discussion and contacts between APEC members and between the public and private sector. The presentations and discussions involve high-level government research officials, private sector experts, and consultants/experts who have been involved in the related projects.

The number of attendees is a general indicator of the success of the meeting. We are projecting 200 participants with approximately ½ of the participants from China and ½ from other economies. A second indicator would be the number of economies that participated in the event. A third measure would be the number of copies of the proceedings requested after the event. The fourth and most important indicator would be an indication from the host economy and other economies that their objectives were met and that the resources utilized “were well spent.” These indicators will be supplemented by the results of a survey distributed to participants.

4. *How, briefly, this project responds to the priorities set by APEC Leaders and Ministers, as evidenced by parts of the APEC Action Agenda including Action Program, work plan, vision statement, and policy statement that relate to this project*

The proposed project is fully supportive and furthers the goals of energy aspects of the Action Agenda and the Action Program. Specifically, the project contributes to the achievement of the objectives of the Bogor Declaration and addresses the elements embraced in the 3Es initiative by the following common policy concept, "(3) Reducing the environmental impact of energy production, delivery, and consumption through improving access to technology, training, services, and investment opportunities."

The project also is fully responsive to the energy aspects of the Osaka Action Agenda Part II in that it sets priorities on (a) fostering a common understanding of regional energy issues and (b) reducing the environmental impact of the energy sector. Seminar attendees, including the representatives of the participating member economies, decision-makers, technical experts, and representatives of the business community, will be performing the following joint activities:

- Considering issues associated with the use of a variety of clean power generation technologies and pollution cleaning equipment, and their impact on the total cost of electricity,
- Identifying potential ways to improve environmental performance through the use of the most current technologies,
- Identifying on-going technical cooperation needs in the Asia-Pacific region, which will assist APEC economies in fulfilling APEC investment objectives, and
- Promoting an on-going mechanism for dialogue with the APEC business community on ways to improve the APEC investment environment.

The proposed seminar will further APEC objectives as set forth above by making available data and promoting cooperation between APEC members on issues of regional importance with the potential of substantially improving the economic and environmental conditions within the region. Cooperation on the project will contribute towards a better understanding of how resources, environmental and energy policies can be successfully integrated.

5. *For applications under the TILF Special Account: How briefly this project contributes to APEC Trade and Investment Liberalisation and Facilitation (e.g. relevance to specific parts of the Osaka Action Agenda*

### **Linkages**

6. *The kinds of institutions in member economies intended to benefit from the results of the project. Highlight the direct benefits to the institutions, the types of business in member economies which will benefit from the results of the project and what the direct benefits are.*

There are 12 APEC economies that have been involved in APEC EGCFE since its inaugural meeting in April 1992. These include Australia, Canada, the People's Republic of China, Indonesia, Japan, Republic of Korea, Malaysia, New Zealand, Republic of the Philippines, Chinese Taipei, Thailand, and the United States. These members have consistently attended meetings and/or specific activities of the APEC/CFE. Hong Kong has provided useful information that facilitated the major 1992 study on the role of coal in the region and, as a presenter of a technical paper in the 1996 Seminar, was urged to again participate in the proposed project. More recent coal-based APEC members such as Peru, Chile, and Mexico, are also being encouraged to participate, and have indicated interest in becoming active members.

Each of these member economies will benefit in a number of ways. The attendees will be able to learn first hand about technology advances, get answers to real issues, and solve problems. In addition, information and data resulting from discussions of potential applications of these

technologies and other fossil energy-related issues, will enhance the ability of members to formulate integrated energy and environmental policies, and to evaluate technology options for resolving specific energy production and environmental issues.

7. *How the participation of the business/private sector and non-governmental institutions has been sought or will be sought. Illustrate how the business/private sector has been involved in the planning and delivery of the project and whether any other APEC fora have been consulted. (\*)*

The seminar serves as a forum for expression of opinion, examination of issues, and presentation of data by leading members of the business and industrial community. These leaders are specifically invited and will participate as speakers, panel members, and attendees. Their contributions add a high degree of practical experience essential to a full understanding of options and decision factors. The importance of private sector support also is evident in the level of cost sharing made available in each of the previous technical seminars held by the APEC/CFE. Considerably more than three-fourths of the funding has come from either the host economy or the industrial sector. In addition, the private sector will be part of a project team that will be established to plan this event.

Industrial and private sector experts in all aspects of coal flow, clean fuels technology and electric power generation have responded enthusiastically to the invitation to participate in past events. Their costs (i.e., preparation time, travel and expenses) are contributed by them to the overall benefit that the seminar brings to the attendees. However, in very specific circumstances, with the specific approval of the EGCFE chair, a very small number of attendees could be provided assistance to attend the seminar.

8. *How this project will add "APEC value" (as to the potential benefits of implementing projects) in the context of other work that might have been done elsewhere in the same field. (\*)*

The seminar program will encompass a wide range of energy-related issues, and this project will be coordinated with other working groups through the Energy Working Group (EWG). The seminar will include presentations on the results of several activities carried out over the previous two years. The results of the seminar will be shared outside the APEC/CFE through the publication of proceedings, which will be disseminated to all APEC members. Additional copies of the seminar proceedings will be published and directly distributed to key government and industry officials and will be available through the EGCFE website. Therefore, the results of the seminar will be available to virtually every APEC member.

9. *An indication of how the project might contribute to related projects or activities in APEC or elsewhere.*

Past workshops and seminars have resulted in cooperative efforts between APEC economies or related projects within APEC. For example, a self-funded project on coal bed methane is underway in China. Also, the workshop have been one of the principal outlets for dissemination of the results of EGCFE studies, such as the ongoing multi-year study on Options to Reduce CO<sub>2</sub> Emissions from the Electric Power Generation Sector in APEC Economies. This seminar should provide similar opportunities to network and to explore opportunities of mutual interest to APEC economies.

10. *Describe the deliverables of the project and demonstrate how they will meet the needs of the targeted beneficiaries.*

The most significant impact of the project will be on the attendees and the experience they acquire in a forum created specifically for the direct interchange between them and the recognized experts in their field of interest. However, the major product of the seminar that will extend the benefits of this activity throughout the Asia-Pacific Region are the Proceedings that will be published. This report will contain the papers presented by the invited experts and summaries of the discussions. It will provide a good reference on innovative coal chain technologies, a resource to be consulted in the resolution of problems and an educational tool for the introduction and discussion of issues. The value of the report will be maximized through care in its preparation and its subsequent distribution to a list of "decision makers" identified by the members of the Experts' Group. Proceedings will also be available through the EGCFE website. Every attempt will be made to reach those who can

have the most impact in the transfer of clean fossil fuel technology through the use of the data and results contained in the report.

### Methodology

11. *A concise description of the project by component, with its associated outputs clearly specified.*

The seminar is intended to provide a forum where both government and industry participants from all APEC member economies can address the latest issues and experiences in coal and coal-fired power generation issues and share their individual experiences for the mutual benefit of all. It is anticipated that 100-125 individuals will participate in the seminar. There will also be extensive local media coverage of this event to give the general public access to the views of the APEC experts.

The presentations will be made by private sector experts as well as high level government research officials. The seminar will be directed to discussing specific issues that can be addressed by both government and industry to promote the use of fossil energy in a safe, efficient and environmentally acceptable manner.

The project includes four major components that involve the EGCFE:

- A half-to one-day site visit to a local energy-oriented facility
- A two- to two-and-a-half-day seminar on coal flow and clean fossil technologies
- The Annual Business Meeting of the Expert Group on Clean Fossil Energy
- Preparation and distribution of the seminar Proceedings.

In addition, the Coal Flow Steering Committee will also hold its annual meeting in conjunction with other coal-related events.

The Project Steering Committee will be responsible for putting together the seminar program and suggested list of speakers and panel discussants for approval by the EGCFE. It will designate a member who will take lead responsibility for confirming the speakers/panelists, finalizing the Program, publicizing the seminar, providing advance information to participants, and working with the host economy to complete arrangements for the conference facilities, the social program, and the site visit. Following the seminar, the Steering Committee will finalize the Proceedings Report for approval by the EGCFE and publication. The timetable for organizing, holding the seminar and publishing the Proceedings is detailed in #13 below.

12. *A timeline for circulation and submission of this project proposal with drafts circulated well in advance to fora to allow careful consideration.*

This proposal was circulated to the EGCFE members in early February 2002, for discussion at its meeting in Kuala Lumpur on March 6, 2002, where it was approved for submission to the EWG Secretariat for consideration.

13. *A timetable for the accomplishment of each component in (11).*

The timetable for preparing, holding and following up the seminar is the following:

1. Develop the seminar program and suggested list of speakers and panel discussants for approval by the EGCFE. (March 2002)
2. Contact and confirm the speakers/panelists and finalize the seminar Program (June 2002)
3. Complete arrangements for the conference facilities, the social program, and the site visit in consultation with the host economy. (June 2002)
4. Publicize the seminar via APEC web sites and other means. (March to June 2002)
5. Provide timely advance information to Workshop participants, (May to October 2002)
6. Hold the seminar and site visit (October 2002)
7. Prepare the Proceedings Report for approval by the EGCFE (December 2002)
8. Publish the Proceedings Report (February 2003).

14. *The number of APEC member economies that will participate in this project. Please indicate the names of member economies participating in each component of the project as set out in (11). (\*)*

As in each of the earlier seminars, representatives from the 12 economies that are active members of the APEC/CFE will attend. These include Australia, Canada, the People's Republic of China, Indonesia, Japan, Republic of Korea, Malaysia, New Zealand, Republic of the Philippines, Chinese Taipei, Thailand and the United States. In addition, it is expected that representatives from the other member economies also will attend each of the technical sessions, social functions, and site visits. A very active effort to inform key offices, individuals and organizations with each economy is implemented as part of the Seminar planning and implementation process.

### **Budget**

15. *An itemized budget for the project, including provision for any publication and dissemination of project results, in the prescribed format. Applications under the Operational Account should use the format at Annex A1. Applications under the TILF Special Account should use the format at Annex A2. The budget should illustrate the assumptions adopted (e.g. unit costs) for the computations.*

The costs of this project as estimated (US\$150,000) in the following budget are justified based on the anticipated results in assisting governments and businesses in gaining access to technology approaches taken within the individual economies. Investment in fossil fuel-based plants in the respective member economies is conservatively projected to run into tens of billions of dollars over the next ten years, with corresponding investment needs for coal production and transportation. Assistance is needed now to ensure the data/information is available for timely evaluation and appropriate actions. The project also will facilitate formal dissemination to all APEC members of experts' actual experiences and policy development recommendations for deploying clean fossil energy technologies. It will contribute towards potential development of an APEC-wide program to successfully deploy these technologies. This is a self-funded project with contributions from the host economy, China, and Japan along with funding from the EGCFE Common Fund..

16. *A timetable for the drawdown of APEC funding requested for the project, including details of any advance payment or instalment payment requested and justifications for such requests.*

No new funds are requested from APEC for this project.

17. *Details of any request for waiver or exception from the normal APEC financial rules with justifications.*

N/A

### **Dissemination of Project Output**

18. *A plan for the publication and dissemination of the results of the project, including:*

*a. the nature of the target audience, and, based on that audience;*

- Key decision-makers in the private sector as well as public and government officials;
- Technical experts;
- Industrial/Utility representatives;
- Research institutes.

*b. the form and content;*

The Proceedings of the seminar will meet accepted standards for such reports, and comply with the APEC style and nomenclature guidelines. Summaries will be posted on the EGCFE web site for immediate viewing. Full versions will be available for downloading (see below).

*c. format (e.g. hard copies, floppy discs, internet uploading);*

Bound report for circulation by mail, plus electronic version in PDF format posted on the EGCFE website, available for viewing or downloading. In addition, the Proceedings will be published on CD-ROM.

*d. number of copies for the publication;*

500 copies with the possibility of re-publication if more demand is determined.

*e. accessibility of results for the targeted audience;*

The seminar proceedings will be distributed to all attendees by mail. A more general audience may obtain the proceedings from APEC, libraries, and interested energy or resource-oriented organizations. They will also be available from the EGCFE website.

*f. a publicity plan for:*

*i) briefing the general or specialist media about key components of the project;*

Appropriate press releases will be held at the Workshop for local newspapers, television and radio stations. Supplemental media releases and articles will be prepared and submitted to coal, gas, electric power, energy, environment, and trade journals.

*ii) the promotion of sales or other dissemination of the final product; and*

Promotion will be through the dissemination plan listed above. Announcement of the proceedings will be made through various media, including print media and the internet. Extra copies of the proceedings will be available at the USDOE and the APEC Secretariat and at an appropriate agency at the host economy.

*g. a budget for publication and dissemination, to form part of the itemized budget.*

US\$ 10,000

### Assessment of Project

19. *With reference to your objectives stated in paragraph 3, provide detailed criteria (quantitative and qualitative) for how you will measure your results in the short and long term to know if your project has been successful. State your current benchmarks for measurement, your target results from the project for each measurement criterion and the range of acceptable results both in numerical and percentage terms, where possible.*

General indicators of the success of the meeting will be the following:

1. The number of attendees. We are projecting 200 participants with approximately ½ of the participants from foreign economies.
2. The number of economies that participated in the event.
3. The number of proceedings requested after the event.
4. An indication from the host economy and other economies that their objectives were met and that the resources utilized "were well spent."
5. Any subsequent cooperative actions between APEC member economies that emerge from this activity would be an indicator of success.

In addition, for those activities planned and implemented by the Expert Group on Clean Fossil Energy that involve a large number of participants and a selected number of technology experts or policy advocates as speakers, an evaluation process is implemented. The results are used in conjunction with the above indicators to determine the degree to which the Group's activity has been successful. The evaluation form is distributed to the attendees as well as the members of the Expert Group. These forms, when completed, are collected and the results tabulated. The resulting correlations are used to assess the degree of success achieved, redirect the next activity of a similar

nature, and to identify areas where greater emphasis is needed. Additional confirmation about the degree to which the activity had achieved its objectives is reflected in the number of requests received for additional material relating to the issues and/or technologies contained in the report or for the report itself. The evaluation process has proven to be very successful in its previous application to projects of the type being proposed.



### Gender Criteria for Formulation and Evaluation of Projects

#### Objectives

1. *Show how the objectives of the project provide benefits for women, where appropriate. APEC Ministers have indicated (Framework for the Integration of Women in APEC) that benefits might include: increased involvement of women; taking account of the differences in women's and men's lives (gender analysis); and collection/use of sex-disaggregated data.*

The primary objective of the workshop is information transfer, networking, and ultimately, energy security in the APEC region. Having an adequate, dependable, environmentally safe supply of energy in the APEC Region benefits men and women equally.

#### Linkages

2. *Show how the participation of women has been/will be sought. Show how women are involved in the planning, management, allocation of resources, and implementation of the project.*

Women are encouraged to participate as equal partners in all phases of EGCFE projects.

#### Methodology

3. *Provide a brief description of the way women will be able to participate equitably in the development and implementation of the project.*

Women are encouraged to participate in all phases of the Workshop. One member of the Project Steering Committee is a woman. A number of women will be asked to present papers at the Workshop. Finally, member economies send women as their representatives to the EGCFE when financial and policy decisions are made.

4. *Provide a brief description to show that the project will collect and use sex-disaggregated data (if available) to measure the project's effects on women.*

The only data collected will be the questionnaires that are given to each participant to fill out at the end of the conference. The list of attendees will show the number of women that attended the Workshop, however.

#### Dissemination of Project Output

5. *Does the plan for the publication and dissemination of the project's results include communication methods that are appropriate for women?*

The proceedings will be distributed to every participant and will also be posted on various APEC web pages. Men and women will have an equal opportunity to receive a copy. No specific arrangements have been made however, to target women audiences.

- *Questions that may be relevant include: Are women one of the target audiences? Does the plan take account of women with low literacy and women with low access to electronic media? Will the results be disseminated to women's organizations?*

#### Budget

6. *Are women involved in making decisions on the allocation of resources?*

Yes, women are part of the EGCFE and the Project Steering Committee where budget considerations are made. The EGCFE representative from China is a woman and will be a key player in organizing and conducting the workshop.

7. *Where appropriate, provide details of the project's budget that are allocated to activities that address the specific needs of women.*

N/A

#### **Assessment of Project**

8. *Provide details of how the project proponent will assess whether he/she has met the gender criteria for APEC projects and how he/she will measure the impact of the project on women.*

The number of women participating in the seminars will be an indicator if all APEC members, including women were reached.

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## Annex A1

**APEC Operational Account  
Itemized Budget for Financial Year 2002**

<b>Items</b>			<b>APEC Funding (USD)</b>	<b>Self Financing (USD)</b>
<i>Direct Labour</i>	No. of Hours	Rate		
- Speaker's Honorarium				
- Consultant (including Researcher) Fees (including meeting facilities, audiovisual equipment, etc.)				100,000
- Consultant's Secretary Cost				5,000
<i>Travel</i>				
- Per Diem (including accommodation and "additional payment")	4 days/person			5,000
- Airfare		\$3,500		20,000
	No. of Copies	Unit Cost		
<i>Publication of report</i> (including distribution)	500	\$20.00		10,000
<i>Photocopying</i>				5,000
<i>Communications</i> (Phone/Fax/Mail/Courier)				5,000
<i>Total</i>				150,000

If project straddles more than one year, please indicate only the amount of funds required for the financial year in question.