

**Facesheet**(Tick ✓ one)    ✓ **Project seeking APEC funding**     **Progress Report**     **Evaluation Report**(Tick ✓ one)    [] **Operational Account**    [] **TILF Special Account**

Project number: <i>(To be filled in by Secretariat)</i>		Date received by Secretariat:	Late / Not late <input type="checkbox"/> <input type="checkbox"/>
<b>Name of Committee/Working Group:</b> Expert Group on Energy Efficiency and Conservation/Energy Working Group			
<b>Title of Project:</b> Energy Efficiency and Energy Security in APEC Economies			
<b>Proposing APEC Member:</b> USA			
Co-sponsoring APEC Member(s): All APEC-member economies			
Project Overseer: Name, Title and Organization (M/F) Mr. Andre Van Rest, APEC Program Manager U.S. Department of Energy			
Postal address: 1000 Independence Ave, SW Washington, DC 20585		Tel: 202-586-9793 Fax: 202-586-1605 Email: andre.vanrest@hq.doe.gov	
Financial Information	Total cost of proposal (US\$): \$50,000.00	Amount being sought from APEC Central Fund (US\$): \$50,000.00	
Type of Project: <input type="checkbox"/> seminar/symposium <input type="checkbox"/> short-term training course    ✓ survey or analysis and research <input type="checkbox"/> detachment/mission <input type="checkbox"/> other (specify _____)			
Project start date: January 2003		Project end date: December 2003	
<b>Project Purpose:</b> The purpose of the project is to: <ul style="list-style-type: none"><li>estimate on a gross basis the theoretical upper limit on the amount that energy-efficiency programs can contribute to the energy resource base of APEC economies and, therefore, to energy security relating both to energy imports and energy infrastructure.</li><li>identify innovative ways that APEC economies can obtain the unrealized potential of energy-efficiency programs.</li></ul>			
Signature of Project Overseer: <i>(Separate written confirmation acceptable for email submission)</i>			
Date:			

Signature of Committee Chair/WG Lead Shepherd:

*(Separate written confirmation acceptable for email submission)*

Date:

## ECOTECH Weightings Matrix

[Energy Efficiency and Energy Security in APEC Economies]

Criteria	Supporting Information (indicate paragraph number if details are in the project proposal)	Linkage (1 point for each)
Responds to a <u>specific</u> instruction from Leaders/Ministers <sup>1</sup>	4 <sup>th</sup> Energy Ministers Meeting, Para. 4 Economic Leaders, Energy Security Initiative, November 2000	1
Meets a core ECOTECH theme under the <i>Manila Declaration</i> <sup>1</sup>	Manila Declaration, Para. 4	1
Responds to the Common Policy Concepts, Activities and Dialogues identified in Part II of the <i>Osaka Action Agenda</i> <sup>1</sup>	Common Policy Concepts & Joint Activities/Dialogue, Energy, Para. 4	1
Responds to a <u>specific</u> ECOTECH Initiative <sup>2</sup>		
Improves skills, including in new technologies	Paras. 6, 8, 10	1
Builds capacity and strengthens institutions	Paras. 6, 8, 10	1
<u>Measurably</u> improves economic efficiency/performance <sup>3</sup>	Energy-Efficiency Financing and Implementing Mechanisms, Para. 10	1
Is of <u>practical</u> benefit to the private/business sector; has private/business sector <u>participation</u> ; and/or <u>funding</u> <sup>4</sup>	Paras. 6, 7,	2
Assists economies attain sustainable growth and equitable development, while reducing economic disparities among APEC economies and improving economic and social well-being	Paras. 8, 10	1
Supports a TILF objective, as laid down in Part I of the <i>Osaka Action Agenda</i> <sup>1</sup>	Para. 4	1
Disseminates information including through seminars/websites/databases <sup>5</sup>	Paras. 10, 18	
Outline the <u>outcome</u> and how members will benefit <sup>5</sup>	Para. 10	
	<b>Net Score</b>	10

## Footnote

- <sup>1</sup> Identify which instruction/ECOTECH theme/OAA element.  
<sup>2</sup> See <http://www.apecsec.org.sg/ecotech/index.html>  
<sup>3</sup> Policy outcomes that include development of energy efficiency guidelines, food safety standards etc  
<sup>4</sup> One point for each element up to a maximum of 3 points.  
<sup>5</sup> Not scored

**Remarks** (Please indicate if not applicable e.g., for TILF projects. Additional information in support of projects which do not score highly may also be provided here by the Lead Shepherd/Chair).

**A. Project Design****Project**

01. Name of project.

Energy Efficiency and Energy Security in APEC Economies

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

Expert Group on Energy Efficiency and Conservation/Energy Working Group

**Objectives**

03. 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 measurement metric in both the short and long term is the number of APEC economies that adopt one or more of the innovative approaches to achieving their energy-efficiency potential.

04. 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 proposal is consistent with the Energy Security Initiative adopted by Economic Leaders in Brunei-Darussalam, November 2000, specifically mandating the Energy Working Group to:

- facilitate energy efficiency and conservation.

The proposal is consistent with the themes set forth in the Manila Framework (8th Ministerial Meeting, November 22-23, 1996), especially:

- Develop Human Capital, the region's main asset in economic development, to broaden the benefits of economic growth, deepen the basis for sustainable growth, and strengthen social cohesion domestically and regionally;
- Strengthen Economic Infrastructure to eliminate bottlenecks to economic growth, especially in such areas as telecommunications, transportation, and energy in order to further integrate members into the regional economy, and the region into the global economy;
- Safeguard the Quality of Life Through Environmentally Sound Growth by promoting sound policies and practices, taking into account concerns about sustainable development.

The proposal responds to Part I of the Osaka Action Agenda:

- Section C4b: “APEC economies will achieve free and open trade and investment in the Asia-Pacific region by facilitating investment activities through, *inter alia*, technical assistance and cooperation.”

The proposal responds to Part II of the Osaka Action Agenda:

- Section B5c, Energy, Common Policy Concepts: “APEC economies will set policy priority on . . . reducing the environmental impact of the energy sector.”
- Section B5e, Energy, Joint Activities/Dialogue: “APEC economies will improve environmental performance through expanded programs in the fields of . . . end-use energy conservation measures . . . “

The proposal is consistent with the energy policy principles established by the Working Group on Regional Energy Cooperation in October 1994 and recently endorsed by energy ministers (4<sup>th</sup> Ministerial Meeting, May 10-12, 2000), especially principles:

1. Emphasize the need to ensure energy issues are addressed in a manner which gives full consideration to harmonization of economic development, security, and environmental factors.
  2. Pursue policies for enhancing the efficient production, distribution and consumption of energy.
  6. The regular exchange of experience on the various policies being used by member economies to achieve a more rational energy consumption.
  13. Promote cost-effective measures which improve the efficiency with which energy is used but reduce greenhouse gases as part of a suggested regional response to greenhouse gas reductions.
05. 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).

Not applicable.

### **Linkages**

06. 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.

Non-government and government providers of energy-efficiency services will benefit directly from the study. The guide will show these institutions an effective way to formulate, implement, and evaluate innovative energy-efficiency programs.

07. 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. (\*)

Representatives from the private sector accounted for more than one-half of the forum that discussed a project of this type (Second Planning Meeting for Proposed APEC Energy-Industry Project on Sustainable Energy Services, Bangkok, Thailand, 27-28 September 2000).

08. 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. (\*)

Some APEC economies have extensive experience with formulating, implementing, and evaluating different types of energy-efficiency programs. Others do not. These experiences can be transferred to APEC economies that have less familiarity with innovative types of energy-efficiency programs.

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

The project is an extension of work conducted by the Expert Group on Energy Efficiency and Conservation over the past nine years.

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

The deliverable is a study of the theoretical potential of energy efficiency programs in APEC economies and innovative ways to achieve that potential. Policymakers in APEC economies can adapt these innovative approaches to circumstances in their own economies. Also, both government and non-government organizations involved in running energy-efficiency programs can use the study to run effective energy-efficiency programs in their economies.

### **Methodology**

11. A concise description of the project’s methodology.

The methodology has five parts:

- Using published sources in various APEC economies, investigate the theoretical potential of energy-efficiency programs in APEC economies. This estimate can be used to obtain the amount of the energy “resource” in APEC economies that is being wasted because of inefficient use of energy. It also indicates the contribution of energy-efficiency programs to energy security. Energy-efficiency resources contribute to energy security in two ways: (1) reduce energy imports and (2) reduce the amount of required energy infrastructure.

- Investigate innovative financing and implementing strategies for energy efficiency programs that policymakers in APEC economies can undertake to obtain more energy “resources” from energy-efficiency programs. These include innovative funding sources (e.g., performance contracts), program administrators (e.g., non-governmental organizations), implementing agencies (e.g., energy service companies), and strategies (e.g., market transformation programs).
- Integrate the two parts into a draft report.
- Circulate the draft report for review. The draft report will be circulated to members of the Expert Group on Energy Efficiency and Conservation for their comments.
- Revise and submit final report. Given comments from expert group members, the report will be revised accordingly and placed on relevant APEC web sites.

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

A draft proposal will be circulated to EGEE&C delegates two weeks prior to the EGEE&C meeting on 10-12 April 2002. If approved by EGEE&C delegates, the proposal will be forwarded to the EWG Secretariat for their review and approval. The EWG Secretariat will then make it available to EWG representatives on the EWG website well in advance of the EWG meeting in May 2002.

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

The due dates for each of the activities are:

- |   |                |
|---|----------------|
| • Theoretical potential of energy-efficiency programs ..... | July 2003      |
| • Innovative Financing and implementing mechanisms .....    | September 2003 |
| • Complete draft report .....                               | October 2003   |
| • Circulate the draft report for review .....               | October 2003   |
| • Revise and submit final report electronically .....       | December 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). (\*)

The United States will conduct the study. Experiences of other APEC economies will be integrated in the study.

### **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 budget for the project is:

• Theoretical potential .....	\$20,000
• Innovative financing and implementing .....	\$15,000
• Complete draft report.....	\$10,000
• Revise and submit final report electronically .....	\$5,000
Total .....	\$50,000

A detailed budget is in Annex A1.

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.

40% .....	July 2003
70% .....	September 2003
90% .....	October 2003
100% .....	December 2003

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

There is no request for waiver or exception from the normal APEC financial rules.

### **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;

The target audience is government and non-government organizations interested in running energy efficiency programs.

- b. the form and content;

Written report.

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

Internet uploading.

- d. number of copies for the publication;

Not applicable.

- e. accessibility of results for the targeted audience;

World-wide web.

- f. a publicity plan for:
  - i) briefing the general or specialist media about key components of the project;
  - ii) the promotion of sales or other dissemination of the final product; and

The report will be advertised on APEC web sites.

- g. a budget for publication and dissemination, to form part of the itemized budget.  
\$5,000.

### **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.

The measurement criterion is the increased number of energy-efficiency programs developed in APEC economies as a result of this project.

## **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.

Men and women benefit equally from energy-efficiency programs.

### **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.

An APEC forum at which women participated proposed the project.

### **Methodology**

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

The expertise required to undertake the study is gender-neutral. Women will be allowed to participate to the extent they have expertise in creating and running energy-efficiency programs.

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.

Not applicable to this project.

### **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 internet is a gender-neutral communication medium.

### **Budget**

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

To the extent that women have expertise in energy-efficiency programs, they will be involved in allocating resources for the project.

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

The activities in this project are gender-neutral.

**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 subject matter of the project is gender-neutral.

\* \* \* \* \*

**APEC Operational Account  
Itemized Budget for Financial Year 2003<sup>1</sup>**

Items			APEC Funding (USD)	Self Financing (USD)
<i>Direct Labour</i>	No. of Hours	Rate		
- Speaker's Honorarium				
- Consultant (including Researcher) Fees	1,000	\$50.00/hour	\$50,000	
- Consultant's Secretary Cost				
<i>Travel</i>				
- Per Diem (including accommodation and "additional payment")				
- Airfare				
	No. of Copies	Unit cost		
<i>Publication of report (including distribution)</i>				
<i>Photocopying</i>				
<i>Communications (Phone/ Fax/ Mail/ Courier)</i>				
<i>Total</i>			\$50,000	

<sup>1</sup> If project straddles more than one year, please indicate only the amount of funds required for the financial year in question.