

ECOTECH Weightings Matrix

[Energy Audit Training Program for the Industrial Sector]

Criteria	Supporting Information <i>(indicate paragraph number if details are in the project proposal)</i>	Linkage (1 point for each)
Responds to a <u>specific</u> instruction from Leaders/Ministers ¹	Refer to proposal item 4	1
Meets a core ECOTECH theme under the <i>Manila Declaration</i> ¹	Refer to proposal item 4	1
Responds to the Common Policy Concepts, Activities and Dialogues identified in Part II of the <i>Osaka Action Agenda</i> ¹	Refer to proposal item 4	1
Responds to a <u>specific</u> ECOTECH Initiative ²	Refer to proposal item 4	1
Improves skills, including in new technologies	Refer to proposal item 10	1
Builds capacity and strengthens institutions	Refer to proposal item 6	1
<u>Measurably</u> improves economic efficiency/performance ³	The project will share information on energy auditing programs that seek to improve energy efficiency, which is measurable	1
Is of <u>practical</u> benefit to the private/business sector; has private/business sector <u>participation</u> ; and/or <u>funding</u> ⁴	The project is of practical benefit to the private sector and has private sector participation.	3
Assists economies attain sustainable growth and equitable development, while reducing economic disparities among APEC economies and improving economic and social well-being	The Program aims at reducing of energy consumptions in APEC region. Therefore, increase energy utilization efficiency and economic and social well-being.	1
Supports a TILF objective, as laid down in Part I of the <i>Osaka Action Agenda</i> ¹	-	0
Disseminates information including through seminars/websites/databases ⁵	The Program will hold a seminar and workshop to facilitate information exchange and experience sharing.	0
Outline the <u>outcome</u> and how members will benefit ⁵	The Program will increase capacities of member economies on energy conservation of.	0
	Net Score	11

Footnote

- ¹ Identify which instruction/ECOTECH theme/OAA element.
² See <http://www.apecsec.org.sg/ecotech/index.html>
³ Policy outcomes that include development of energy efficiency guidelines, food safety standards etc
⁴ One point for each element up to a maximum of 3 points.
⁵ 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 Audit Training Program for the Industrial Sector

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 results of the project will be measured by the attendance of the Seminar and the responses of the participants of a seminar that will be held in summer 2003. In the longer term, measurable success will be based on energy conservation by the industry sector.

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.

From the First Ministerial Meeting (1993) Declaration:

Ministers noted the vital importance of secure and balanced energy supplies and rational energy use for sustained economic development and protection of environment.

From the Common Policy Concepts, a) fostering a common understanding on regional energy issues and c) reducing the environmental impacts of the energy sector; from the joint activity, e) improving environmental performance through expanded programs in the fields of ... end-use energy conservation measures.

From the APEC Economic Leaders Declaration, 18 November 1998, Kuala Lumpur Action Program on Skills Development:

(1) Human resources development is one of the key factors to ensure sustained economic growth. Recognizing this, APEC Economic Leaders in Seattle envisioned building a community where improved education and training would provide the skills for improving the well being of its people;

(2) Retraining of displaced workers can contribute towards alleviating the social impact on those affected as well as strengthening the spirit of community in APEC; and,

(3) The objective of the Program is to contribute towards sustainable growth and equitable development while reducing economic disparities and improving the social well being of the people, through skills upgrading and improvement.

The ECOTECH themes from the Manila Declaration, namely 1) develop human capital; 3) strengthen economic infrastructure; 4) harness technologies for the future; 5) safeguard the quality of life through environmentally sound growth.

From the Fourth Meeting of APEC Energy Ministers in San Diego in 2000

We have endorsed technology cooperation initiatives that provide benefits to all citizens, give a human face to development, provide new options for the clean development and use of energy, and contribute to energy security by diversifying the energy mix, improving energy efficiency, deploying new and renewable energy technology, reducing costs, facilitating energy business and trade, and mitigating damages on energy infrastructure after natural disasters, according to each economy's circumstances.

Energy efficiency is a key component of the specific ECOTECH initiative on Cleaner Production.

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.*

In the near- and mid-term, the primary beneficiaries of this seminar will be the attending APEC member economies, which will benefit from an understanding of the availability and importance of the international energy auditing technology of the industrial sector. These participants will have access to the experience, information, resources, and tools necessary to establish national energy auditing programs to enhance greenhouse gas reduction.

In the mid- and long-term, institutions that will benefit from the implementation of this energy auditing programs include financial, donor, development, and government institutions (resulting from a more reliable means to access the potential success of projects); manufacturing and distribution companies (through more professional installation and maintenance of their products); installation and maintenance practitioners (through access to energy auditing technologies' training as energy efficiency improvement); and, customers (who will gain the benefits of cost down and more efficient energy uses).

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. (*)*

Since private energy suppliers play an important role in the energy efficiency enhancement programs, the project will actively encourage and promote participation of the private sector and non-governmental organizations (NGO) at the seminar. During the organization procedure of this seminar, the private sector and NGO in the field of energy auditing will play an active role in planning and conduct of the seminar.

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. (*)*

To date, a significant number of energy efficiency projects, have been implemented in APEC member economies. However, there are no specific projects focusing on energy auditing technologies for the industrial sectors. All participating APEC members will benefit from the improved success of these projects (economic and environmental benefits) as well as from the creation of local, sustainable jobs. Moreover, these technologies are beneficial in terms of improving regional energy efficiency.

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

This project will contribute to any and all energy efficiency enhancement projects in APEC and any other participating country through access to international energy auditing technologies.

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

The project deliverables will be the awareness, workbooks, and tool tests transferred to the participants regarding the development of national energy auditing program for energy efficiency enhancement. These deliverables will meet the needs of the targeted audience by providing them with resources based on experience developed in the field. This will help the participants avoid the time and costs involved in developing similar programs unilaterally. Seminar Proceedings will be compiled and distributed to participants in the seminar.

Methodology

11. *A concise description of the project's methodology by components, with its associated outputs clearly specified.*

The objectives of this seminar are to inventory resources for energy related response in the region, to integrate an information for sharing, and to establish a mechanism for mutual assistance.

The topics will at least included:

- (a) All of the aspects of the development of national energy auditing programs for industrial sectors.

- (b) Organization and database of energy auditing technologies for industrial sectors.
- (c) Energy auditing case studies from participating countries

The seminar is planned to be held in October 2003 and will be hosted by Chinese Taipei. Experts from the APEC region will be invited, and designated representatives from member economies will participate in this workshop.

The seminar will be delivered through the stages below:

1. Hold a domestic expert group meeting to discuss the contents
2. Hold a steering committee meeting to review the planning
3. Identify and confirm a venue and date
4. Request member economies recommend speaker(s) for the seminar
5. Circulate the announcement of the seminar
6. Collect presentation materials from speakers
7. Prepare the proceedings
8. Hold the seminar
9. Evaluate the seminar
10. Distribute proceedings

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

- a. This will be circulated to EGEEC members at the April 2002 meeting. The proposal will be provided to the EWG Secretariat by March 15, 2002 for placement on the EWG prior to EWG21 which is scheduled for May 2002. This will allow sufficient time for EWG members to consider the proposal.
- b. Recommendations from EGEEC members and outside experts for seminar speakers (July 2003)
- c. Promotion of the Seminar through the EGEEC (July-Oct 2003).
- d. Holding of the Seminar (October 2003)
- e. Distribution of Seminar Proceedings (December 2003)

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

Details including the date and venue will be determined after the Project Overseer fixes the budgetary implementation program.

Event	Date
Preparation of seminar	March 2003
Hold a seminar	
1. Identify and confirm a venue and date	April 2003
2. Each member economy recommends speaker(s) for the seminar	April 2003
3. Announcement of the seminar	July 2003
4. Collect materials from speakers	July 2003
5. Prepare the proceedings	October 2003
6. Hold the seminar	October 2003
7. Evaluate the seminar	November 2003
8. Distribute proceedings	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). (*)*

Chinese Taipei will lead this project with input from all APEC member economies. In particular, the co-sponsoring economies will organize the seminar together with the host economy. Seminar speakers will represent several APEC member economies.

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 total budget of the Program is estimated at US\$50,000, of which US\$30,000 will be sought from APEC funding and US\$20,000 will be fully sponsored by Chinese Taipei (please refer to the attached itemized budget sheet for details).

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.*
- Initial payment to seminar organizer in June 2003. USD 4,000
 - Payment of speakers' travel and accommodation expenses in October 2003. USD 10,000
 - Payment to coordinator on completion of seminar in October 2003. USD 8,000
 - Payment to coordinator on publication of proceedings in October 2003. USD 8,000

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

No waiver or exception from the normal APEC financial rules will be requested.

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 of this project will include researchers, planners and decision-makers in industrial sector, energy departments of governments, energy suppliers, and other energy related organizations of APEC member economies.

- b. *the form and content;*

Copies of the project report will be distributed to all EWG members. Electronic versions of the publication will be made available for download through the EWG web site's publications subdirectory.

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

The proceedings and the project reports will be produced in a limited number of CD-rom's and will be distributed through the Internet web site in electronic format.

d. number of copies for the publication;

Two hundred CD-rom copies of the seminar proceeding will be produced.

e. accessibility of results for the targeted audience;

There will be no restrictions on accessibility of results. The hard copies will be delivered to individuals and institutions upon request. Meanwhile, any material on the web site is free for download. The declaration that any citation must indicate the sources will be made known to every visitor.

f. a publicity plan for:

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

The summary of the project will be post on the EWG web site.

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

No sales are envisaged in this project. Participants will be encouraged to disseminate the results of the seminar widely. Copies of the proceedings will be freely available on the web site.

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

The budget for publication and dissemination will cover proceedings of the seminar.

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.*

- (a) The number of APEC economies participating in the activities of the project;
- (b) Number of participants of the seminar and their responses; and
- (c) The final opinion of the project steering committee members.

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 objectives of the project are inherently aimed at whole community level and are thus automatically gender inclusive.

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.*

This project is open for participation. Meanwhile, the steering committee members will be designated by participants.

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 organizations forming the project steering committee all have equal opportunity employment policies.

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 Energy Audit Training Program is inherently gender neutral, and therefore sex-disaggregated data will not be available.

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?*
- *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?*

The primary methods used to disseminate the project's results are through Internet web site and publications. The access to the information on the Internet web site is inherently gender-unbiased. The seminar proceedings will be distributed to women's organizations upon request.

Budget

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

The organizations forming the project steering group all have equal opportunity employment policies.

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

This item is not applicable to this project.

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.*

As the objectives of the project are inherently aimed at whole community level, they are automatically gender inclusive and no separate measurement of the impact on women will be undertaken.

**APEC Operational Account
Itemized Budget for Financial Year 2003¹**

Items			APEC Funding (USD)	Self Financing (USD)
<i>Direct Labour</i>	No. of Hours	Rate		
- Speaker's Honorarium				
- Consultant (including Researcher) Fees	200	50	10,000	
- Consultant's Secretary Cost	300	25	7,500	
- Hosting(Seminar room rental)	2 days	2,000 per day		4,000
<i>Travel</i>				
- Per Diem (including accommodation and "additional payment")	48 days (12 speakers for 4 days)	250 per day	5,000	7,000
- Airfare	12 persons	1,000	5,000	7,000
	No. of Copies	Unit cost		
<i>Publication of report (including distribution)</i>	200 CD-rom's	10		2,000
<i>Photocopying</i>			1,000	
<i>Communications (Phone/ Fax/ Mail/ Courier)</i>			1,500	
<i>Total</i>			30,000	20,000

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