

Signature of Committee Chair/WG Lead Shepherd:

(Separate written confirmation acceptable for email submission)

Date:

ECOTECH Weightings Matrix**Earthquake Response Cooperation Program for Energy Supply Systems (Phase 2)**

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 ¹	Refer to proposal item 4(a)	1
Meets a core ECOTECH theme under the <i>Manila Declaration</i> ¹	Refer to proposal item 4(b)	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(c)	1
Responds to a <u>specific</u> ECOTECH Initiative ²	Refer to proposal item 4(d)	1
Improves skills, including in new technologies	YES. Earthquake emergency response skills for energy supply systems will be enhanced through the project.	1
Builds capacity and strengthens institutions	YES. Institution involves in the cooperative network have the opportunities to improve their capacities through information and experience sharing, staff exchange, etc.	1
<u>Measurably</u> improves economic efficiency/performance ³	Phase 3 of the Program will provide the steps to establish the cooperation mechanism in earthquake response of energy supply systems.	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.	2
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 earthquake damages of energy supply systems in APEC region therefore increase the security of energy supply 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	Not applicable	0
Disseminates information including through seminars/websites/databases ⁵	The Program will hold a seminar and establish a website 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 earthquake preparedness of energy infrastructure.	0
	Net Score	10

Footnote¹ 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.*

Earthquake Response Cooperation Program for Energy Supply Systems (Phase 3)

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

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 final opinion of the project steering committee members and the responses of the participants of a seminar that will be held in summer 2003. In addition, the number of visitors of the Internet website and the degree of participation of the online discussion forum will be useful means as well.

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.*

(a) In 1998, APEC Ministers endorsed the "APEC Framework for Capacity Building Initiatives on Emergency Preparedness." The purpose is to enhance preventive and responsive measures for natural disasters through improved information sharing and capacity building among APEC member economies. The framework specifies that APEC activities and projects should complement the structures and procedures of existing organizations that are active in the area of emergency preparedness.

(b) In April 2000, EWG 19 endorsed the cooperation initiative to address earthquake preventive and response measures for energy supply systems, noting that the

program development should consider the existing APEC framework for emergency preparedness. The initiative was also included in the APEC Energy Ministers Declaration on May 12, 2000. In response to above consideration, a 3-year Implementation Program was drafted to meet the objectives of the initiative, and currently Phase 2 of the Program is in progress.

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.*

Emergency response institutions, energy departments in governments, energy suppliers, and other energy related organizations of APEC member economies would benefit from this project. From the results of the project, those organizations will obtain comprehensive information in earthquake emergency response of energy supply systems, including response systems, regulations and guidelines, etc. In addition, the cooperation mechanism will allow member economies obtain effective assistance from each other whenever needed.

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 whole earthquake response system of energy infrastructure, the project will actively encourage and promote participation of the private sector and non-governmental organizations at the seminar. During the first two phases of this Program private sector and NGO in the field of earthquake response have played 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. (*)*

From the sharing of information and experiences and the process of mutual assistance, all APEC member economies will strengthen their capacity to prepare for earthquake disasters and to carry out rescue and restoration efforts. Overall, it will lessen the damages to energy systems from earthquakes and increase energy supply security in the region.

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

Currently the Industrial Science and Technology, Marine Resources Conservation, Telecommunications, and Transportation Working Groups have provided information to the Capacity Building Initiative on Emergency Preparedness. This project will contribute to the Initiative in energy domain.

10. *Describe the deliverables of the project and demonstrate how they will meet the needs of the targeted beneficiaries.*
- (a) The prime deliverable from Phase 3 of this Program will be a *Report on Earthquake Response System for the Asia-Pacific Region and Experiences of Energy Facility Restoration*.
 - (b) The proceedings of the seminar will be published and widely distributed within the APEC region.
 - (c) APEC member economies that suffer from frequent or potential earthquakes will benefit from the information sharing as a result of this project. The comprehensive information will allow member economies obtain effective assistance from each other whenever needed.

Methodology

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

This program was scheduled to be implemented in three phases. The first phase of the program is completed and has positive results. The second phase of the program is in progress.

With the aim to achieve the objective of Phase 3 of the Program to enhance the participants' capabilities in earthquake disaster management on energy infrastructure, this project will be carried out through the following measures:

- (a) Continue the function of the domestic expert group to provide necessary information and examine project outputs.
- (b) Continue the function of the APEC steering committee to
 - oversee project planning, execution, and progress;
 - recommend speakers for the seminar; and
 - provide information of participants.
- (c) Continue the maintenance of the APEC Earthquake Response Cooperation web site. The web site is one of the important components of the cooperation

mechanism. Its maintenance will consist of updating and enriching the contents, and improving its functions. In the third phase, the information system for earthquake response will be further developed, in order to complete and maintain the system for use by member economies.

- (d) Hold a seminar on earthquake response cooperation in the Asia-Pacific region. The objectives of this seminar are to inventory resources for energy related earthquake response in the region, to integrate an information system for sharing, and to establish a mechanism for mutual assistance. The topics will at least included:
- Progress in developing an earthquake response system for energy supplies in the Asia-Pacific region.
 - Organization and database of earthquake response for energy systems.
 - Emergency response and restoration of energy facilities after earthquakes.

The seminar is planned to be held in summer 2003 and may be hosted by any APEC economies that are interested. Experts from the APEC region will be invited, and designated representatives from member economies will participate in this workshop.

- (e) Compile cases of experiences for restoration of energy facilities after earthquakes for further comparison and analysis.
- (f) Complete the establishment of an earthquake response mechanism for energy supplies in the Asia-Pacific region.

The project has seven major components, which are described respectively as follows:

- (a) Domestic expert group meetings
- (b) The Program steering committee – the steering committee will meet twice in the year 2003, prior to the two regular EWG meetings, respectively;
- (c) Internet web site
1. Regular maintenance
 2. Establish information sharing, mutual assistance function.
- (d) Hold a seminar
- 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

- (g) Compile cases of experiences for restoration of energy facilities after earthquakes for further comparison and analysis.
 - 1.Information collection
 - 2.Compile and analyze information
 - 3.Publish and disseminate project results

(e) Cooperation mechanism

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 will follow the routine EWG timetables, with the proposal circulated before 10 March 2002, and the finalized proposal completed and lodged with the EWG Secretariat by 15 March 2002. Proposal will then be considered by EWG Members at EWG23 in May 2002.

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

Event	Date
(a) Domestic expert group (DEG) meetings	Every month
(b) Program steering committee – the steering committee will be held twice in the year 2003, prior to two EWG regular meetings respectively;	March and September 2003
(c) Internet website	
1. Regular maintenance	When necessary
2. Establish information sharing, mutual assistance function.	September 2003
(d) Hold a seminar	April 2003
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	September 2003
6. Hold the seminar	September 2003
7. Evaluate the seminar	
(h) Compile cases of experiences for restoration of energy facilities after earthquakes for further comparison and analysis.	August 2003
1.Information collection	October 2003
2.Compile and analyze information	November 2003
3.Publish and disseminate project results	November 2003
(f) Establish cooperation mechanism	

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). (*)*

(a) The project steering committee will consist of representatives from Australia, China, Chinese Taipei, and New Zealand.

(b) During Phase 1 of the program, representatives from Australia, China, Japan, Korea, Mexico, New Zealand, Philippines, Chinese Taipei, U.S.A., and Vietnam. More participation and contributions are welcomed from all member economies in all aspect of the program, including the steering committee, the workshop, the online forum, etc

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 Phase 3 of the Program is estimated at US\$250,000, of which US\$50,000 will be sought from APEC funding and US\$200,000 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 March 2003:	\$10,000
	Payment of speakers' travel and accommodation expenses in July 2003.	\$ 32,000
◇	Third payment on publication of proceedings in August 2003.	\$ 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 emergency response institutions, 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 through the EWG web site's publications subdirectory and will be linked to the APEC Emergency Preparedness web site under EWG activities.
- c. *format (e.g. hard copies, floppy discs, internet uploading);*
 The proceedings and the project reports will be produced in a limited number of hard copies but will distributed through the Internet web site in electronic format.
- d. *number of copies for the publication;*
 Two hundred copies of seminar proceeding and the project report will be produced, respectively.
- 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 Internet web site of the project.
 - 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 and reports 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 and *Report on Earthquake Response System for the Asia-Pacific Region and Experiences of Energy Facility Restoration.*

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;
- (c) The number of visitors of the Internet web site and the degree of participation of the online discussion forum, and
- (d) 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 Earthquake Responsive Cooperation 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.

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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				
Senior researcher	2,930	20		58,600
Researcher	3,880	15		58,200
- Consultant's Secretary Cost	1,550	20		31,000
- Hosting(Seminar room rental)	2 days	5000 per day	10,000	
<i>Travel</i>				
- Per Diem (including accommodation and "additional payment")	111 days(Seminar Speakers and Steering Committee Member)	200 per day	12,000	10,200
- Airfare			20,000	30,000
	No. of Copies	Unit cost		
<i>Publication of proceedings</i> (including distribution)	200 hard copies	40	8,000	
<i>Publication of report</i> (including distribution)	200 hard copies	40		8,000
<i>Photocopying</i>				2,000
<i>Communications (Phone/ Fax/ Mail/ Courier)</i>				2,000

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

<i>Total</i>	50,000	200,000
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