

Facesheet

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

Project number: <i>(To be filled in by Secretariat)</i>		Date received by Secretariat:	Late / Not late <input type="checkbox"/> <input type="checkbox"/>
Name of Committee/Working Group: Energy Working Group Expert Group on New and Renewable Energy Technologies			
Title of Project: APEC 21st Century Renewable Energy Development Initiative (Collaborative I): Technical Workshop to Support Village Power Applications			
Proposing APEC Member: USA			
Co-sponsoring APEC Member(s): Australia, Canada, China, Hong Kong, Japan, Korea, Malaysia, Mexico, New Zealand, Chinese Taipei			
Project Overseer: Name, Title and Organization		(Male)	
Mr. Andre Van Rest APEC Program Manager USA			
Postal address: U.S. Department of Energy 1000 Independence Avenue Washington, D.C. 20585 USA		Tel: +1 (202) 586-9793 Fax: +1 (202) 586-1605 Email: andre.vanrest@hq.doe.gov	
Financial Information	Total cost of proposal (US\$): \$49,000	Amount being sought from APEC Central Fund (US\$): \$49,000	
Type of Project: <input type="checkbox"/> seminar/symposium (✓) short-term training course <input type="checkbox"/> survey or analysis and research <input type="checkbox"/> database/website <input type="checkbox"/> others <i>(Please specify)</i>			
Project start date: January 2003		Project end date: February 2004	
Project Purpose: The purpose of the workshop is to introduce and explore technical aspects of village power applications, and to build a regional network of capable technicians and project champions. In many cases village electrification in the developing world is conducted solely through the use of grid extension and remote diesel electrification. Although these are both viable methods to supply energy to remote areas, the use of new and renewable energy sources can provide electrification at lower cost in many instances, and will meet sustainable development and local economic development goals. Sustainable rural electrification must consider community structure, local resources, micro-enterprise and gender issues. Currently there is a lack of technical expertise to determine least expensive technical options, as well as a lack of sociological understanding. The workshop will address these topics and provide a means for communication between individuals and organizations addressing village powder issues in the Asia-Pacific region.			
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
(Revised - November 2000)**

**[APEC 21st Century Renewable Energy Development Initiative (Collaborative I): Technical
Workshop to Support Village Power Applications]**

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	4	1
Meets a core ECOTECH theme under the <i>Manila Declaration</i> ¹	4	1
Responds to the Common Policy Concepts, Activities and Dialogues identified in Part II of the <i>Osaka Action Agenda</i> ¹	4	1
Responds to a <u>specific</u> ECOTECH Initiative ²	Supports the Beijing Initiative on APEC Human Capacity Building and the Sustainable Cities initiatives.	1
Improves skills, including in new technologies	10	1
Builds capacity and strengthens institutions	6, 7, 10	1
<u>Measurably</u> improves economic efficiency/performance ³	4, 6, 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> ⁴	6, 7, 10	1
Assists economies attain sustainable growth and equitable development, while reducing economic disparities among APEC economies and improving economic and social well-being	4, 6,	1
Supports a TILF objective, as laid down in Part I of the <i>Osaka Action Agenda</i> ¹		
Disseminates information including through seminars/websites/databases ⁵	18	
Outline the <u>outcome</u> and how members will benefit ⁵	Member economies will gain technical expertise to develop rural energy systems and/or will find new markets for products and services.	
	Net Score	9

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).

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

01. Name of project.

APEC 21st Century Renewable Energy Development Initiative (Collaborative I): Technical Workshop to Support Village Power Applications

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

Energy Working Group/ Expert Group on New and Renewable Energy Technologies

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)

- Since 1994, five village power conferences have been held, growing in attendance from 30 to over 600 at Village Power 2000 (VP2000). During VP2000, the idea for a global Village Power Partnership was discussed by stakeholders and is now under development. In 2003, an APEC Clean Energy Technology/ Village Power Forum will be held to further develop this partnership in the Asia-Pacific region, and to address specific institutional issues that

member economies face. The Technical Workshop to Support Village Power Applications will focus on regional technical issues.

- Short terms measures of success include excellent workshop participation, support from APEC member economies, and compilation of a technical resource guide based on workshop proceedings.
 - Longer term measures of success include the development of a network of stakeholders with the capacity and vision to pursue village power projects, demonstrated technical know-how of key participants, and integration of this program into relevant APEC Collaboratives and the global Village Power Partnership. In addition, the follow-up survey after the workshop will reveal aspects that participants found useful 6 months after the event. This could be tied to continued communication through a list-serve or stakeholders network.
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.

This workshop is consistent with the themes set forth in the Manila Framework (8th Ministerial Meeting, November 22-23, 1996). Specifically, the workshop supports the following themes of the framework:

- Safeguard the quality of life through environmentally sound growth by promoting sound policies and practices, taking into account concerns about sustainable development.
 - Development of rural energy systems encourages productive use and discourages rural migration.
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.

There are three direct beneficiaries that will be targeted through the workshop. The first direct beneficiary will be private firms involved in the manufacture of village power systems and components, and service providers for rural energy systems. The second beneficiary includes government policymakers involved in rural development initiatives, as they will better understand the options available to them in rural electrification planning. Finally, the residents of rural areas will be provided better services that are more able to meet their local needs due to their involvement in the development process. Providing energy services to rural areas reduces economic disparities among APEC economies as well as within each APEC country.

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. (*)

The participation rural service companies, manufacturers of distributed energy technologies, trade groups, women's organizations, and technical institutions will be sought. The private sector will be a key link in developing a successful, action-oriented workshop. The growth of host country service providers and energy users generates a new industry, and renewable energy companies from all economies enjoy economic benefits of market development. Private companies are already involved in the Village Power Partnership.

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. (*)

The formation of a strong regional village power network from this workshop is enhanced by the existence of developed and developing economies that are already cooperating under APEC projects.

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

Related projects include the "Workshop on Distributed Generation, Distribution, and Efficiency", the ongoing "Renewable Energy Standards" Collaborative, and the "APEC Clean Energy Technology/Village Power Forum" anticipated for 2003.

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

The workshop deliverables include a training manual and the formation of a network of rural energy technicians and project implementers. In combination, these will make energy more accessible to rural residents and will enhance the technical capacity of local companies.

Methodology

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

The proposal encompasses four activities:

1. Survey member economies: The U.S. delegation will survey APEC economies to determine priority technical issues in village power applications.
2. Organize workshop: The U.S. delegation will make arrangements for the workshop, including the following activities:
 - Select host economy. The workshop will be held in Asia to encourage regional participation

- Develop workshop agenda. The U.S. delegation will develop an initial agenda and submit it for review by representatives from other APEC economies.
 - Identify appropriate speakers. With input from APEC economies, the U.S. delegation will select chairs and expert speakers on technical aspects of village power applications.
3. Conduct workshop. The workshop will be conducted over a 3 day period and will likely include a site visit to a rural area.
 - Day 1: presentation by invited speakers
 - Day 2: break-out technical sessions to discuss specific issues
 - Day 3: agreement on an action plan for village power; site visit
 4. Follow up. Relevant papers, overheads, and discussion notes will be compiled and published.
 5. Post-workshop assessment survey
12. A timeline for circulation and submission of this project proposal with drafts circulated well in advance to fora to allow careful consideration.

February 15: first draft to EGNRET

March 6: discussion of project proposal at EGNRET expert group meeting

March 15: submission of final draft

13. A timetable for the accomplishment of each component in (11).
1. Survey of member economies: March 2003
 2. Organize workshop: July 2003
 - Select host economy: April 2003
 - Develop workshop agenda: June 2003
 - Identify appropriate speakers: July 2003
 3. Conduct workshop: August 2003
 4. Publish proceedings: September 2003
 5. Conduct post-workshop survey: February 2004
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). (*)

It is expected that at least one representative of 15 of the 21 APEC member economies will attend the workshop, and as many as five may participate from some 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.

- Organization and conduct of the workshop: United States
 - Speakers and Session Leaders: \$45,000
 - Completion and publication of proceedings: \$4,000
 - Administration activities of the workshop: Host economy
 - Lunches, dinners, refreshments: Participants/host economy
 - Total APEC funding: \$49,000
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.
- 75%: July 2003
 - 100%: September 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 rural energy service providers and manufacturers

- b. the form and content;

The proceedings published from the workshop will be based on the presentations and discussions at the workshop. The electronic publication will also include computer simulation models that will be introduced during the session of the workshop targeting rural electrification options analysis.

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

Compact disks and limited hard copies

- d. number of copies for the publication;

200

- e. accessibility of results for the targeted audience;

The results will be accessible to the companies through mail or through the internet

- f. a publicity plan for:
 - i) briefing the general or specialist media about key components of the project;

The results will be publicized through a one-page flier summarizing the results of the workshop and through EGNRET contacts.

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

Not applicable.

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

The budget is US\$4,000.

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.

Short term measures of success include excellent workshop participation, support from APEC member economies, and compilation of a technical resource guide based on workshop proceedings. Longer term measures of success include the development of a network of stakeholders with the capacity and vision to pursue village power projects, demonstrated technical know-how of key participants, and integration of this program into relevant APEC Collaboratives and the global Village Power Partnership. In addition, the follow-up survey after the workshop will reveal aspects that participants found useful 6 months after the event. This could be tied to continued communication through a list-serve or stakeholders network.

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.

Women are primary energy users in rural areas and would benefit most from village power applications. Direct benefits include productive use, supplemental income, and improved quality of life.

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 will be sought in organizing the workshop, and strong participation from women will be encouraged at the workshop. Women come in direct contact with the benefits from village power and are successful community organizers.

Women are seldom approached about the electrification needs for their communities. One focus of the workshop will be to incorporate the thinking of women in the assessment of the energy needs and usage for rural village power electrification.

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 will be consulted in the workshop development process and will be invited as speakers and session chairs during the workshop. A special effort will be made to fully integrated the viewpoints of female leaders into the discussion of energy needs for rural village power, and not simply with regard to women's issues of village power, but what they see as the energy needs for their communities.

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.

A short questionnaire will be distributed to workshop participants to encourage feedback on the project's effects on women.

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 workshop results will be disseminated to women's organizations and will include some visuals.

Budget

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

Women will be consulted in all aspects of the decision-making process.

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

A session during the workshop will address the role of women in village power applications and as stated above, will specifically examine women's viewpoints on the impact of village power on the community and its energy needs.

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 survey during the workshop will quantify some reactions from participating women and the session dedicated to women's issues will open a dialogue on this question.

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APEC Operational Account
Itemized Budget for Financial Year ____2003__¹

Items			APEC Funding (USD)	Self Financing (USD)
<i>Direct Labour</i>	No. of Hours	Rate		
- Speaker's Honorarium				
- Consultant (including Researcher) Fees				
- Consultant's Secretary Cost				
<i>Travel</i>				
- Per Diem (including accommodation and "additional payment")	15 persons	\$200/day x 5 days	15,000	
- Airfare	15	\$2000 ticket	30,000	
	No. of Copies	Unit cost		
<i>Publication of report (including distribution)</i>	200	20 (including postage)	4,000	
<i>Photocopying</i>				
<i>Communications (Phone/ Fax/ Mail/ Courier)</i>				
<i>Total</i>			\$49,000	

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