

**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"/>
<b>Name of Committee/Working Group:</b> Experts Group on New and Renewable Energy Technologies (EGNRET)/ Energy Working Group (EWG)			
<b>Title of Project:</b> APEC 21st Century Renewable Energy Development Initiative (Collaborative VIII): Building and Developing an APEC Renewable-Energy Collaboratives Projects Integrator (APEC-CPI).			
<b>Proposing APEC Member:</b> New Zealand			
Co-sponsoring APEC Member(s): Australia, Canada, P.R. China, Hong Kong (China), Japan, Korea, Malaysia, Mexico, Chinese Taipei, United States.			
Project Overseer: Name, Title and Organization    (M/F) M Dr. Iain Sanders Project Manager, Industrial Research Limited			
Postal address: 5, Sheffield Crescent, PO Box 20-028 Bishopdale, Christchurch 8001 New Zealand		Tel: +64-3-358-6802 Fax: +64-3-358-9506 Email: i.sanders@irl.cri.nz	
Financial Information	Total cost of proposal (US\$): \$250,000 for building the system	<b>Amount being sought from APEC Central Fund</b> (US\$): 150,000 This is a TILF project	
Type of Project: <input type="checkbox"/> seminar/symposium <input type="checkbox"/> short-term training course <input type="checkbox"/> survey or analysis and research <input type="checkbox"/> database/website <input checked="" type="checkbox"/> <i>Long-term facilitation of APEC 21<sup>st</sup> Century Initiative Collaboratives</i>			
Project start date: January 2003		Project end date: October 2004	
<b>Project Purpose:</b>  To build and develop an APEC Collaboratives Projects Integrator (APEC-CPI) that will create an on-line market place to remove the barriers and impediments to financing, developing, commercialising and implementing renewable-energy technology projects and facilitate trade and investment in renewable energy in the APEC region.			
Signature of Project Overseer: Iain Sanders  <i>(Separate written confirmation acceptable for email submission)</i> Date: 14 <sup>th</sup> February 2002			

Signature of Committee Chair/WG Lead Shepherd:

(Separate written confirmation acceptable for email submission) Date:

**ECOTECH Weightings Matrix**  
(Revised - November 2000)

[APEC 21<sup>st</sup> Century Renewable Energy Development Initiative (Collaborative VIII): Building and Developing an APEC Renewable-Energy Collaboratives Projects Integrator (APEC-CPI)]

<b>Criteria</b>	<b>Supporting Information</b> (indicate paragraph number if details are in the project proposal)	<b>Linkage</b> (1 point for each)
Responds to a <u>specific</u> instruction from Leaders/Ministers <sup>1</sup>	<u>Paragraphs 04 &amp; 05:</u> Manila Declaration <ul style="list-style-type: none"> <li>• Strengthen economic infrastructure</li> <li>• Develop stable, safe and efficient capital markets</li> <li>• Safeguard the quality of life through environmentally sound growth</li> </ul>	<b>1</b>
Meets a core ECOTECH theme under the <i>Manila Declaration</i> <sup>1</sup>	<u>Paragraphs 04 &amp; 05:</u> <ul style="list-style-type: none"> <li>• Develop human capital</li> <li>• Harness technologies for the future</li> <li>• Develop and strengthen the dynamism of Small and Medium Enterprises</li> </ul>	<b>1</b>
Responds to the Common Policy Concepts, Activities and Dialogues identified in Part II of the <i>Osaka Action Agenda</i> <sup>1</sup>	<u>Paragraphs 04 &amp; 05:</u> Section B: Economic and Technical Cooperation in Specific Areas: Parts 1, 2, 3, 4, 5, 9, 10	<b>1</b>
Responds to a <u>specific</u> ECOTECH Initiative <sup>2</sup>	<u>Paragraphs 04, 05:</u> <ul style="list-style-type: none"> <li>• APEC Agenda for Science and Technology (S&amp;T) Industry Cooperation into the 21<sup>st</sup> Century</li> <li>• Mexico Declaration on S&amp;T Cooperation</li> <li>• Sustainable Cities</li> </ul>	<b>1</b>
Improves skills, including in new technologies	<u>Paragraph 05:</u> <ul style="list-style-type: none"> <li>• Sustainable energy technology transfer</li> <li>• Energy project development &amp; management</li> <li>• Sustainable energy technical and commercial skills development</li> </ul>	<b>1</b>
Builds capacity and strengthens institutions	<u>Paragraphs 03, 04, 05:</u> <ul style="list-style-type: none"> <li>• Increase the number of stakeholders from each relevant sector of each participating economy, involved with the project.</li> <li>• Increase the volume of business generated and sustained through the project.</li> <li>• Increase the number of new technologies commercialised.</li> </ul>	<b>1</b>
<u>Measurably</u> improves economic efficiency/performance <sup>3</sup>	<u>Paragraphs 03, 19:</u> <ul style="list-style-type: none"> <li>• The quality and quantity of Intellectual Property</li> <li>• The quality and quantity of projects financed</li> <li>• The quality and quantity of products &amp; services</li> </ul>	<b>1</b>

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>	<u>Paragraphs 04, 05, 18, 19</u> : especially 18a <ul style="list-style-type: none"> <li>• Energy technology companies</li> <li>• Private innovators / inventors and investors</li> <li>• Energy supply companies</li> </ul>	<b>3</b>
Assists economies attain sustainable growth and equitable development, while reducing economic disparities among APEC economies and improving economic and social well-being	<u>Paragraphs 05, 14, 19</u> : <ul style="list-style-type: none"> <li>• By working with all nine EGNRET collaboratives, managed by both developed and developing economies, economic disparities will be bridged</li> </ul>	<b>1</b>
Supports a TILF objective, as laid down in Part I of the <i>Osaka Action Agenda</i> <sup>1</sup>	<u>Paragraph 05</u> : Section C: Actions in specific areas: Parts 3, 4, 5, 7, 8, 9, 13, 15	<b>1</b>
Disseminates information including through seminars/websites/databases <sup>5</sup>	<u>Paragraph 18</u>	<b>0</b>
Outline the <u>outcome</u> and how members will benefit <sup>5</sup>	<u>Paragraphs 03, 04, 05, 19</u>	<b>0</b>
<b>Net Score</b>		<b>12</b>

**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).

## 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](http://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 VIII): Building and Developing an APEC Renewable-Energy Collaboratives Projects Integrator (APEC-CPI).

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 & 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)

The objective of this project is to build and develop an APEC Renewable-Energy Collaboratives Projects Integrator (APEC-CPI) that will create an on-line marketplace to remove the barriers and impediments to financing, developing, commercialising and implementing renewable-energy technology projects and facilitate trade and investment in renewable energy in the APEC region. APEC-CPI will consist of five renewable-energy on-line market portals for (1) Project Collaboration, (2) Project Finance, (3) Project Development, (4) Project Research, and (5) Tools and Resources. In each of the portals, on-line activities will take place, and information will be developed and stored, that will give APEC-member economies the opportunity to be involved in- and have access to- renewable-energy project collaboration, financiers and investors (and their requirements for financing, application forms, etc.), project developers, project researchers and expertise, and the necessary tools (e.g., computer models), analytic techniques (e.g., methodologies for doing project feasibility studies), and training and education resources to implement renewable-energy projects. The overall system will be managed and coordinated by an APEC-CPI Manager. Individual market portals can be managed and coordinated by separate Portal Managers or by the APEC-CPI Manager. Once in operation, the system will be self-financing through listing and participation fees, commissions, and member-economy, private-sector and foundation contributions, etc. In the short term, the success of the project will be measured by how effective it is in creating the on-line system and the number of stakeholders from each relevant sector of each participating economy involved with the project. In the long term, success will be measured by:

1. The volume of business generated and sustained through the project.
2. The time required to process and commercialize technologies.
3. The number of new technologies commercialized.
4. The value-added through project-processed technology innovation.
5. The extent of the removal of the financial and other barriers to trade and investment.
6. The number of projects implemented.

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.

- APEC-CPI will improve the economic and industrial science and technology capabilities of each APEC economy by facilitating effective collaboration for:
  - (a) improving researcher exchange and human resources development;
  - (b) improving the flows of technological information and technology;
  - (c) facilitating joint research projects;
  - (d) improving the transparency of regulatory frameworks; and
  - (e) contributing to sustainable development.
- APEC-CPI will address the simultaneous achievement of the 3Es by promoting trade and investment in renewable energy technologies, sharing policy principles and enhancing closer cooperation toward the development of APEC as a sustainable energy community.

- APEC-CPI will set priority on the following:
  - a) fostering a common understanding on regional renewable-energy issues;
  - b) facilitating investment in the renewable-energy sector;
  - c) reducing the environmental impact of the energy sector; and

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).

This project contributes to APEC Trade and Investment Liberalisation and Facilitation by removing or reducing institutional and other barriers to investment in renewable-energy-based electricity-infrastructure development and by promoting trade in the renewable-energy technologies upon which this infrastructure is based. It applies to Part 1 – Energy (a) (i) of the Osaka Action Agenda. The project does this by:

- (a) Creating an on-line market for renewable-energy project financing, project collaboration, project development, project research, and project tools and training. Financing is the number one barrier to renewable-energy infrastructure development. This project will remove or diminish barriers to trade and investment in renewable energy technologies.
- (b) Effectively promoting renewable-energy business development (especially small businesses), trade and investment, infrastructure development, and economic and technical cooperation by facilitating the following: (a) R&D agreements, technology evaluation and funding, (b) technology innovation and licensing, intellectual property (IP) and human capital (HC) development and sales, (c) discovery, invention and development of new concepts, processes, products and technologies, (d) international participation and collaboration on project design, management, evaluation, marketing and financing, (e) collective amalgamation of many smaller projects into clusters of financially viable bigger projects, (f) trade – both domestic and international (export-import), (g) access to databases, business consultants, technology and engineering service providers, and product suppliers, and, (h) availability and identification of project finance, grants, subsidies, potential investors, and government tenders.

The project also addresses Part 1 – Energy (a) (iii) of the Action Agenda: “developing, ....., coordinated solutions to more complex issues based on the outcomes of the above activities, and extending these activities to other aspects of the energy supply chain where appropriate;”

### 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.

- **Governments** – Creates a repository of information, technologies, investors, and experts within the New and Renewable Energies sector and allows it to be rapidly accelerated through to commercialisation. The system, due to its database, will also allow countries to shape their own policies based on accurate up to the minute information.
- **Government Scientific and Research Foundations** – allows institutions to share, access information, procure products or services and collaborate in order to accelerate development.
- **Energy Network Companies** – participate by way of investment, sales of their own expertise or technology and offering their own views of where the market is going.

- **Energy Technology Companies** – participate through the sales or tendering of their technology and possible investment.
  - **Energy Retailers** – can participate as investors and commercialise the technologies.
  - **Private Innovators, Project Developers, Investors and Financial Institutions** – can participate and become involved, obtain financing, and make profitable investments.
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. (\*)
- Input from the private sector and NGOs will be obtained for the system design and implementation.
  - Business/Private Sector will be charged by way of subscriptions, advertising, posting tenders, commissions etc.
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. (\*)
- APEC-CPI will create a marketplace that embodies the APEC ethos of “promoting open trade and practical economic cooperation. Further to advance Asia-Pacific economic dynamism and sense of community”. Trade, Collaboration, Facilitation, Consultation are just some of the highlights.
  - To harness and drive the Intellectual Property Values contained within the APEC economies in order to drive economic development and growth for the members of APEC region.
09. An indication of how the project might contribute to related projects or activities in APEC or elsewhere.
- APEC-CPI goes beyond the economic and technical information capacity-building objectives of ECOTECH.
  - APEC-CPI provides specialist information relevant to developing human capital, developing stable, safe and efficient capital markets, strengthening economic infrastructure, harnessing technologies for the future, safeguarding the quality of life through environmentally sound growth, and developing and strengthening the dynamism of small and medium sized enterprises.
  - APEC-CPI also facilitates the exchange of technical expertise and financial investment in order to support APEC’s trade and investment liberalization facilitation and economic and technical cooperation agendas.
10. Describe the deliverables of the project and demonstrate how they will meet the needs of the targeted beneficiaries.

This project will build and implement an APEC Renewable-Energy Collaboratives Projects Integrator (APEC-CPI) that will function as an on-line marketplace to remove the barriers and impediments to financing, developing, commercialising and implementing renewable-energy technology projects and facilitate trade and investment in renewable energy in the APEC region. APEC-CPI will consist of five renewable-energy on-line market portals for (1)

Project Collaboration, (2) Project Finance, (3) Project Development, (4) Project Research, and (5) Project Tools and Resources. In each of the portals, on-line activities will take place, and information will be developed and stored, that will give APEC-member economies the opportunity to be involved in- and have access to- renewable-energy project collaboration, financiers and investors (and their requirements for financing, application forms, etc.), project developers, project researchers and expertise, and the necessary tools (e.g., computer models), analytic techniques (e.g., methodologies for doing project feasibility studies), and training and education resources to implement renewable-energy projects. The overall system will be managed and coordinated by an APEC-CPI Manager. Individual market portals can be managed and coordinated by separate Portal Managers or by the APEC-CPI Manager. Once in operation, the system will be self-financing through listing and participation fees, commissions, and member-economy, private-sector and foundation contributions, etc.

APEC-CPI will act as a matchmaker/facilitator for those who have the ideas, technologies, financing, tenders or projects and those that can utilize these assets and apply them to renewable-energy project implementation and technology commercialization by providing an online collaboration zone to realize the potential of renewable and sustainable energy development and adoption. It will also act as a forum where small, medium or large economies, businesses and organizations can collaborate to overcome barriers to renewable energy deployment and to promote trade and investment, and economic and technical cooperation, in the renewable-energy area. APEC-CPI will also provide efficient and effective continuous facilitation of EGNRET collaborative projects from start to finish; an online environment for the EGNRET collaboratives to interact, in order to facilitate technology-transfer, project development, product delivery, specialist technical support, and business development on behalf of APEC economy stakeholders).

## Methodology

### 11. A concise description of the project's methodology, with its associated output clearly specified.

The methodology for the development of this project is as follow:

- I. Perform functional and operational analyses of APEC-CPI.
- II. Perform detailed specification of the content of the five on-line market portals within APEC-CPI
- III. Identify and characterize the operational requirements of the five on-line market portals.
- IV. Design the structure five on-line market portals.

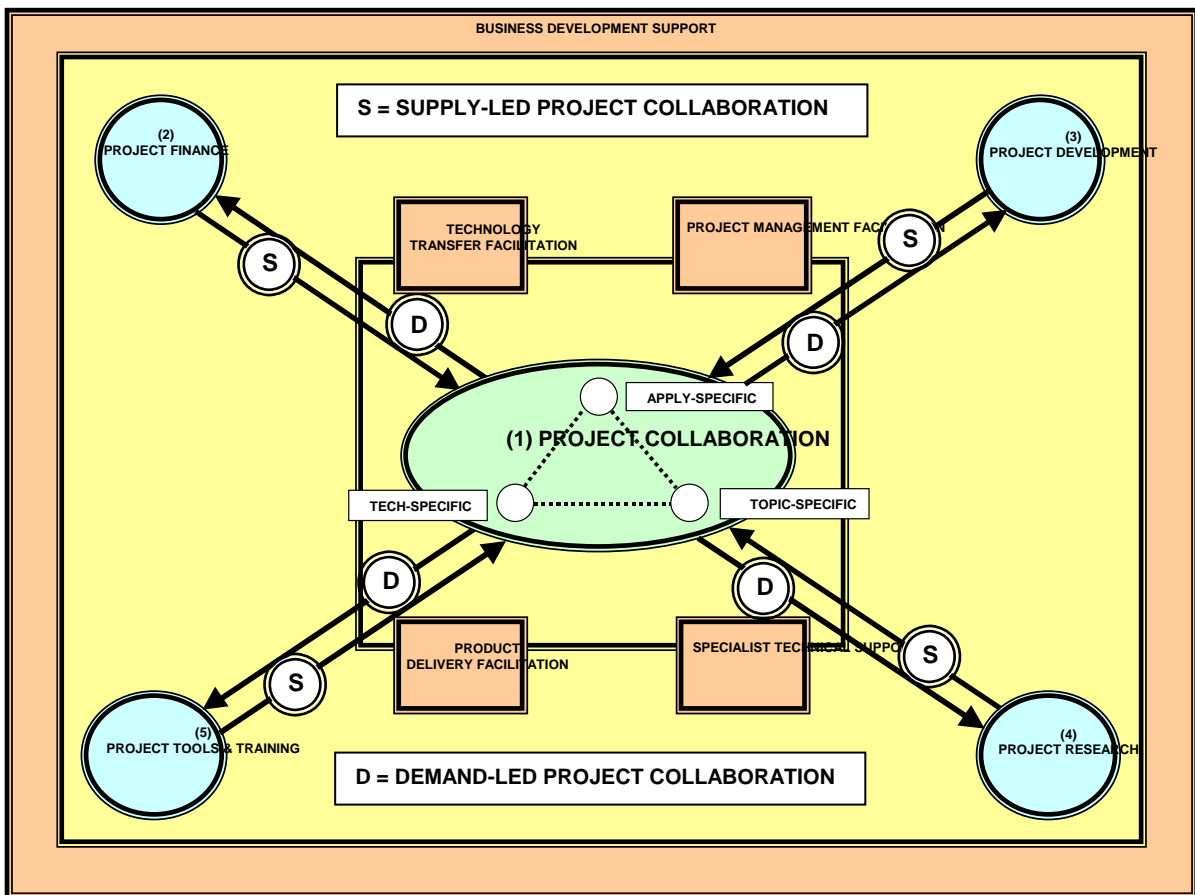
- (1) **Project Collaboration Portal** will host supply-led and demand-led collaborative initiatives submitted by any APEC-CPI stakeholder for support and development. Projects may focus on: (a) technology-transfer – e.g. developing a new electrical energy storage technology licensing agreement, (b) project development / management – e.g. developing a wind farm feasibility study, (c) product delivery – e.g. importing, delivering and assembling a photovoltaic system, (d) specialist technical support – e.g. evaluating the geo-technical properties of a prospective micro-hydro site, or (e) business development – e.g. preparing legally-binding contractual arrangements for a fuel cell business start-up.
- (2) **Project Finance Portal** will host private investment institutions, commercial financiers and banks, venture capitalists and government funding sources. Some of the services to be provided, include for example: (a) investor-linked project finance, (b) project tenders-linked project finance, (c) project procurement-linked project finance, and (d) project finance services in general.
- (3) **Project Development Portal** will host all aspects of project design and development, including for example: (a) project evaluation, feasibility and profitability, (b) project management and budgeting, (c) equipment purchase, delivery and installation; (d) systems design, assembly, integration and manufacturing, (e) systems operation and maintenance, and (f) backup specialist technical and commercial support services.

(4) **Project Research Portal** will host government research and development (R&D) facilities, private / corporate R&D programs or departments, consortia and other R&D facilities, and, private inventors. A catalog of R&D programs, projects, technologies, expertise, ideas and innovations will be developed to capture and characterize sustainable energy R&D.

(5) **Project Tools & Resources Portal** will host all the necessary tools, methodologies, templates, information sources, training and education resources etc. necessary for facilitating supply-led and demand-led technology-transfer and project development initiatives amongst the EGNRET collaboratives.

- V. Develop the content of the five portals
- VI. Develop the APEC-CPI Website, including the five market portals
- VII. Test and Trial System and Content
- VIII. Launch of APEC-CPI Website and operations

• Schematic overview of APEC-CPI’s key proposed functions is shown below.



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

February 19<sup>th</sup>.....Draft proposal circulated to EGNRET and EWG  
 March 15<sup>th</sup>.....Project proposal to EWG

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

- (1) 4/2003: Perform functional and operational analysis
- (2) 6/2003: Perform detailed specs of portals
- (3) 9/2003: Identify and characterize operational requirements



- (4) 12/2003: Design structure of portals
- (5) 3/2003: Develop content of portals
- (6) 6/2003 Develop APEC-CPI website
- (7) 7/2003: Test and trial system and content
- (8) 9/2003: Launch APEC-CTI website and operations

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). (\*)

All APEC economies will participate.

### 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.

Budget is in Annex A2

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.

9/2003.....payment of 1/3 of contract amount  
 3/2003.....payment of 1/3 of contract amount  
 9/2003 .....payment of 1/3 of contract amount

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

- No waivers or exemptions from the normal APEC financial rules are 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,

- **Governments** – Creates a repository of information, technologies, investors, and experts within the New and Renewable Energies sector and allows it to be rapidly accelerated through to commercialisation. The system, due to its database, will also allow countries to shape their own policies based on accurate up to the minute information.
- **Government Scientific and Research Foundations** – allows institutions to share, access information, procure products or services and collaborate in order to accelerate development.
- **Energy Network Companies** – participate by way of investment, sales of their own expertise or technology and offering their own views of where the market is going.
- **Energy Technology Companies** – participate through the sales or tendering of their technology and possible investment.
- **Energy Retailers** – can participate as investors and commercialize the technologies.

- *Private Innovators* – can participate and become involved.
- *Institutional and Private Investors* – can participate and become involved.

and, based on that audience;

- b. the form and content;
  - Periodical reviews and updates on the status of APEC-CPI will be available for dissemination through websites associated with APEC-CPI and its partners.
- c. format (e.g. hard copies, floppy discs, internet uploading);
  - Internet downloading / uploading.
- d. number of copies for the publication;
  - As many as required.
- e. accessibility of results for the targeted audience;
  - Limitless access to public information without commercial value.
- f. a publicity plan for:
  - i) briefing the general or specialist media about key components of the project;
    - Regular meetings, media campaigns, advertising etc. and partner promotions.
  - ii) the promotion of sales or other dissemination of the final product; and
    - Via networking, strategic alliances, governments support, private investment.
- g. a budget for publication and dissemination, to form part of the itemized budget.
  - Not applicable.

### **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 APEC (Asia-Pacific Economic Cooperation consisting of 21 countries) 21st Century Renewable Energy Development Initiative (the “Initiative”) was adopted by APEC Energy Ministers at their 4th Ministerial Meeting in San Diego, California USA in May 2000.
- The purpose of the APEC 21st Century Renewable Energy Development Initiative is to develop a series of “collaboratives” within the framework of the Expert Group on New and Renewable Energy Technologies (EGNRET) to advance the use of renewable energy for growth and sustainable

development in the APEC region. A “collaborative” is designed to address the energy needs and issues of individual APEC member economies through multi-economy cooperation that leads to action and results.

- If APEC-CPI is able to accelerate the development and adoption of sustainable energy technologies through the collaboratives supporting the 21st Century Renewable Energy Development Initiative, then it will have met the criteria for APEC projects. For example, half the typical timeframe for commercializing sustainable energy technologies, and increase the rate of commercially-viable technology transfer by 10 to 30% in the APEC region (target: 25%).
- The impact of APEC-CPI on expected beneficiaries will be determined by:
  - 1) The number of participating stakeholders from each contributing APEC economy, in each contributing sector, for example: private and public R&D laboratories, technical and business consultants, government agencies, equipment suppliers etc.;
  - 2) The ability of APEC-CPI to attract and retain business in the form of tenders, transactions, sales, procurement, projects etc.;
  - 3) The quality and quantity of Intellectual Property generated through APEC-CPI facilitated collaboration, for example: the number of technology licensing agreements, patents, joint ventures, jobs created for the APEC region, training / scholarships etc. created, R&D agreements, international technology transfer partnerships / agreements with other governments and NGOs developed, and so forth;
  - 4) The quality and quantity of projects managed / evaluated / financed / developed etc. through APEC-CPI facilitated collaboration, for example: value of projects themselves, repeat business generated, business / technical capabilities developed, actual uptake and accelerated deployment of sustainable energy systems and so forth;
  - 5) The quality and quantity of products delivered through APEC-CPI facilitated collaboration, for example: the development of new standards and training expectations, market growth and technology diffusion, customer satisfaction and so forth;
  - 6) The quality and quantity of technical services supported through APEC-CPI facilitated collaboration, for example: developing rapid, widespread deployment capabilities for distributed energy resources throughout the region; and,
  - 7) The quality and quantity of business development services utilized through APEC-CPI facilitated collaboration, for example: providing a reliable, trustworthy, seamless eBusiness interactive facilitation service for the APEC 21st Century Renewable Energy Development Initiative collaboratives.

## 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.
  - Sustainable energy technology transfer provides opportunities for micro-enterprise schemes benefiting women, to be established.
  - Many technical and business services are supported by this project, supporting women already employed in these sectors, and creating new job opportunities for women through market growth and technology diffusion.

### 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.
  - Two of the expert consultants responsible for formulating this project are women. They will use their extensive network of professional women throughout the region to promote the project.

### Methodology

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

- This is related to point 2. above. Extensive sales and marketing of the project will be required throughout the APEC region. Local representatives will be sought who can work with the ladies who helped to develop this project.
3. 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.
    - Detailed information on individual participation in the project will be required to complete business transactions at all levels. This information will contain data on gender as part of the personal details cataloguing process.

### Dissemination of project output

4. Does the plan for the publication and dissemination of the project's results include communication methods that are appropriate for women?
  - The plan for the publication and dissemination of the project's results is being formulated by two women with experience selling and marketing to women. This experience will be used to help the planning the process.
  - 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

5. Are women involved in making decisions on the allocation of resources?
  - Two of the key decision-makers are women.
6. Where appropriate, provide details of the project's budget that are allocated to activities that address the specific needs of women.
  - Not applicable.



**Assessment of project**

7. 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.
  - Detailed information on individual participation in the project will be required to complete business transactions at all levels. This information will contain data on gender as part of the personal details cataloguing process. The participation of women at various levels in the project will be measured by determining their contribution / involvement in the various business transactions taking place in the system developed for managing the project.

\* \* \* \* \*

**APEC TILF Special Account**  
**Itemized Budget for Financial Year 2003 \***

(Please tick ✓)

This project is:

- a seminar, symposium or short-term training course  
 a survey or analysis and research project  
 neither the above but involves the provision of equipment and services

Items			APEC Funding (USD) 150,000	Self Financing (USD) 100,000
<i>Direct Labour</i>	No. of Hours	Rate		
- Speaker's Honorarium				
- Translator's Fees				
- Short-term clerical and secretarial staff remuneration	1000	\$20/hr		<b>20,000</b>
- Consultants (including Researcher) Fees	3000	\$50/hr	<b>150,000</b>	
- Consultant's Secretary Cost				
<i>Travel</i>				
- Per Diem (incl. accommodation and "additional payment")				<b>5000</b>
- Airfare				<b>5000</b>
	No. of Copies	Unit cost		
<i>Publication of report (including distribution)</i>				
<i>Equipment / Materials (pl. describe briefly what is required and why)</i>				<b>70,000</b>
				<b>Computers, audio-visual and telecommunication equipment and website development</b>
<i>Photocopying</i>				
<i>Communications (Phone/ Fax/ Mail/ Courier)</i>				
<i>Hosting (pls describe, eg, conference room rental,</i>				

stationery)		
<i>Total</i>	<b>(USD) 150,000</b>	<b>(USD) 100,000</b>

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