

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 (EWG)			
Title of Project: Energy Security in APEC: Assessing the Costs of Energy Supply Disruptions and the Impacts of Alternative Energy Security Strategies			
Proposing APEC Member: Australia			
Co-sponsoring APEC Member(s): New Zealand, USA			
Project Overseer: Ms Vicki Brown (F) General Manager, International Energy Branch Department of Industry, Tourism and Resources, Canberra			
Postal address: GPO Box 9839 Canberra ACT 2601, Australia		Tel: (61-2) 6213-7830 Fax: (61-2) 6213-7900 Email: Vicki.Brown@industry.gov.au	
Financial Information	Total cost of proposal (US\$): 218,750	Amount being sought from APEC Central Fund (US\$): 188,750	
Type of Project: <input type="checkbox"/> seminar/symposium <input type="checkbox"/> short-term training course <input checked="" type="checkbox"/> survey or analysis and research <input type="checkbox"/> database/website <input type="checkbox"/> others <i>(Please specify)</i>			
Project start date: 1 May 2003		Project end date: 30 April 2004	
Project Purpose: To provide quantitative analysis of the costs of temporary energy supply disruptions in APEC at an individual economy and regional level and the short and long-term economic impacts of alternative policy responses to enhance energy security in APEC. The proposed project will benefit all APEC member economies by: - providing a common understanding of the implications of energy supply disruptions for economic growth and sectoral performance in APEC; - providing the basis for an integrated and cost effective approach to addressing energy security concerns through alternative strategies and policy responses within APEC; and - facilitating an exchange of knowledge and information associated with analysing energy security issues and policy responses across all APEC member economies.			
Signature of Project Overseer: <i>(Separate written confirmation acceptable for email submission)</i> Date:			
Signature of Committee Chair/WG Lead Shepherd: <i>(Separate written confirmation acceptable for email submission)</i> Date:			

ECOTECH Weightings Matrix

Energy Security in APEC: Assessing the Costs of Energy Supply Disruptions and the Impacts of Energy Security Alternative Strategies

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	Section 03, bullet. 2 Section 04, bullet 1	1
Meets a core ECOTECH theme under the <i>Manila Declaration</i> ¹	Section 04, bullet.2	1
Responds to the Common Policy Concepts, Activities and Dialogues identified in Part II of the <i>Osaka Action Agenda</i> ¹	Section 05, bullets 1 & 2	1
Responds to a <u>specific</u> ECOTECH Initiative ²	Section 05, bullet 3	1
Improves skills, including in new technologies	Section 06 Section 10, bullet 1	1
Builds capacity and strengthens institutions	Section 04, bullet 2	1
<u>Measurably</u> improves economic efficiency/performance ³	Section 03, bullets 1 & 2 Section 05, bullet 1	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	Section 06 Section 07	2
Assists economies attain sustainable growth and equitable development, while reducing economic disparities among APEC economies and improving economic and social well-being	Section 05, bullet 2	1
Supports a TILF objective, as laid down in Part I of the <i>Osaka Action Agenda</i> ¹	Section 05, bullet 1	1
Disseminates information including through seminars/websites/databases ⁵	Section 18	0
Outline the <u>outcome</u> and how members will benefit ⁵	Section 10	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).

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 A2.*

Please provide your answers in point form or as succinctly as possible below each paragraph heading.

A. Project Design

Project

01. Name of project.

Energy Security in APEC: Assessing the Costs of Energy Supply Disruptions and the Impacts of Alternative Energy Security Strategies.

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)

- A key objective of the project is to provide quantitative analysis of the costs to APEC economies of temporary energy supply disruptions. The project is also designed to assess the economy-wide and energy sector implications of measures to avoid potential short term energy supply disruptions, as well as longer term policy responses that address the broader challenges facing the region’s energy supply. The role of technological development in increasing the reliability of affordable energy within APEC will also be examined.
- Economic Leaders, in their Declaration on Nov 16 2000 from Brunei Darussalam, noted “the risks to the world economy posed by volatility in the oil market” and called “for appropriate measures to promote stability in the mutual interests of consumers and producers”.

Subsequently a series of workshops (Tokyo, Houston, Seoul, Bangkok and Port Moresby) identified the need to develop a strategic approach to the issue. The outcome was the development of an Energy Security Initiative, which was endorsed at the 22nd Meeting of the APEC Energy Working Group in Port Moresby on 27-28 September 2001. The initiative was then forwarded for APEC Leaders and Ministers at their October 2001 meetings in Shanghai.

Accelerated by the terrorist events of 11 September 2001, the subsequent Leaders Statement on Counter-terrorism, released on 21 October, determined that a key measure of enhancing counter-terrorism cooperation would be: “Strengthening of energy security in the region through the mechanism of the APEC Energy Security Initiative”. APEC Economic ministers also called on the Energy Working Group to intensify its work on strengthening the security and reliability of affordable energy to all in APEC.

The Initiative comprises measures to respond to temporary supply disruptions and longer-term policy responses to address the broader challenges facing the region’s energy supply that are practical in a policy context and acceptable in a political context. The Initiative also focuses on the important relationship between energy security and sustainable development.

- The project will contribute to the progress of the Energy Security Initiative and benefit all APEC economies by:
 - .. providing a common understanding of the implications of the costs of potential energy supply disruptions;
 - .. assessing the impacts of alternative response strategies for economic growth and sectoral performance within an APEC-specific framework. This will provide the basis for a coordinated and efficient response to energy security issues within APEC; and
 - .. facilitating a diverse and efficient fuel mix through exchange of information and data across APEC economies.
- This project is part of the EWG’s longer-term response to energy security matters.

In the short-term, the project will be assessed in terms of how its objectives (above) are met through:

- progress reports to the BMC, as required, through the EWG; and
- regular feedback from the Project Steering Committee of EWG members.

In the longer-term, the project will be assessed against its objectives through:

- a final evaluation report prepared for the EWG and BMC at the conclusion of the project;
- a survey of recipient responses to the final report; and
- structured feedback from participants in the proposed workshop.

04. How, briefly, this project responds to the priorities set by APEC Leaders and Ministers, as evidenced by parts of the APEC Action Agenda including Action Program, work plan, vision statement, and policy statement that relate to this project.

- The project will respond directly to the priority accorded to energy security issues by APEC Leaders and Ministers in Shanghai in October 2001.
 - In particular, Ministers directed the EWG to intensify its work on strengthening the security and reliability of affordable energy to all in APEC.
 - .. In this context, APEC Ministers endorsed the Energy Security Initiative, which includes measures to respond to temporary supply disruptions and also considers longer-term policy responses that address the challenges facing the region’s energy supply.
- The project will also contribute substantially to achieving the objectives of the EWG, as set out in its Future Directions Strategic Plan, endorsed in May 2001.

- Of the key objectives listed in the Strategic Plan, the project will strongly support Strategic Theme 5 – “facilitating improved reliability and stability in the provision of energy supply to meet demand”.
- As part of this theme, the project will respond to the EWG’s aim to develop and implement the APEC Energy Security Initiative through work programs, including those related to:
 - .. exchanges of information on policy and analytical issues, stock holdings and draw down arrangements, costs and integration with other energy security measures; and
 - .. the implementation of longer term policy responses as part of a strategic approach to energy security in the APEC region.
- Other objectives outlined in the Strategic Plan to be met through this project and that will also build capacity and strengthen institutions include:
 - .. fostering a common understanding on regional energy issues;
 - .. improving the analytical, technical, operational and policy capacity within APEC member economies;
 - .. facilitating energy resource and infrastructure development through an improved understanding of future supply and demand trends in the APEC regional energy market; and
 - .. facilitating energy technology development, exchange, application and deployment through the provision of information on emerging energy technologies.
- From a broader perspective, the proposed project is also in accordance with the priorities in the APEC Action Agenda.
 - Of the priorities and programs directly related to energy, the project will respond to the following goals of the Action Program for Energy as detailed in the Annex to the Osaka Action Agenda:
 - .. improving the understanding by governments and business sectors of member economies of regional energy markets, thus assisting policy making and business activities;
 - .. addressing the risks and impacts of potential disruption to energy supply;
 - .. implementing coordinated initiatives to secure regional fuel supply; and
 - .. enhancing knowledge of available technologies.

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).

- The project is also firmly based on the broad APEC policy objective to liberalise trade and investment regimes in member economies and to extend the benefits of such liberalisation to the global economy.
 - Enhanced energy security is highly contingent on the improved efficiency of energy markets within APEC and an outward-looking regime that ensures reliable energy trading networks. Therefore, the pursuit of energy security objectives can be expected to reinforce market structures, and, hence, provide a firm basis for further liberalisation of trade and investment in the region. This will respond to Part One Section 3 Services – Energy of the Osaka Action Agenda and restated in the Action Program for Energy that APEC economies will facilitate investment in the energy sector.

- Measures to enhance energy security are likely to affect energy consumption, production and trade patterns in the APEC region. Understanding the nature and magnitude of these changes is critical to understanding the impacts of policies to liberalise trade and investment and ensuring their effectiveness. This will respond to the Action Program for Energy that identifies as a priority the fostering of a common understanding of regional energy issues.
- By providing an improved understanding of future energy supply and demand trends in APEC, this project can also contribute to facilitate trade and investment in the region. As agreed by APEC Ministers in Brunei Darussalam in November 2000, trade and investment facilitation is a key priority in achieving the goal of free and open trade and investment.

The proposed project also supports the principles of economic and technical cooperation as espoused in Part Two of the Osaka Action Agenda and in the Manila Declaration. In particular, by contributing to more efficient and effective energy supplies, the study supports Section A of Part Two of the Osaka Agenda, Essential Elements: ‘APEC economies will pursue economic and technical cooperation in order to attain sustainable growth and equitable development in the Asia Pacific region, while reducing economic disparities among APEC economies and improving economic and social well-being. Such efforts will also facilitate the growth of trade and investment in the region’.

The project will also contribute to Part Two, Section B (4) Economic Infrastructure that states that the pace of economic growth in the Asia Pacific region depends on the improvement of economic infrastructure and supports analytical work on issues relating to the overall infrastructure environment. This theme is continued in the Guiding Principles of the Manila Declaration that include reference to strengthening economic infrastructure ‘to eliminate bottlenecks to economic growth, especially in such areas as telecommunications, transportation and energy’. The security of energy supplies is an important component of the economic infrastructure in the region that is essential to economic growth and development.

The project also contributes to Part Two, Section B (5) Energy that states that APEC economies will set priority on fostering a common understanding on regional energy issues and facilitating investment in the energy sector where appropriate. The project will help all APEC economies to understand the economy-wide and region-wide economic implications of energy security initiatives. Ensuring that there is mutual understanding of the issues is also likely to create greater certainty for investment in the energy sector.

- The project also supports the Ecotech Initiative – *Emergency Preparedness* – by providing the basis for “strengthening cooperative efforts for ensuring an integrated approach to dealing with emergency preparedness in the region”.

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.*

- Broadly, all APEC economies are intended to benefit from the results of the project through two major levels of institutional beneficiaries in member economies:
 - member economy governments, energy departments, planning organisations, utilities and private/business sector organisations, which will be able to draw on improved information for

their decision making and which will benefit from coordinated and efficient policy responses to energy security issues ensuing from the study (and that improve their skills-base);

- collaborating energy research institutions, which would be able to develop their understanding of the analytical and technical issues associated with quantifying the costs of energy supply disruptions and the impacts of alternative policy approaches. These institutions would also benefit from their participation in the project through information exchanges and input to the economic modeling.

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 of relevant APEC business advisory committees and non-APEC business/private sector and non-governmental institutions will be sought during the simulation design stage and in the dissemination of research findings.

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 areas of 'other work' that are relevant to this project are APEC-wide energy sector analysis at APERC, in member economies and at other bodies such as the IEA.
- The project will add ‘APEC value’ by providing an APEC-specific framework for the assessment of the costs of energy supply disruptions and the implications of alternative policy responses that is not elsewhere available.
 - the type of modeling and analysis to be undertaken in the proposed project will complement rather than duplicate the research work undertaken by APERC and other institutions. No analysis related to energy security undertaken elsewhere is conducted at the level of disaggregation or modeling power of that proposed in this project, but any such activities will be reviewed for their relevance to the project.
- The project will also add to the body of knowledge being developed under APEC’s Energy Security Initiative. It will complement a diverse range of activities undertaken or being planned, including APERC’s contribution to the Energy Security Initiative and the findings of Energy Security Workshops that have been undertaken in the region.

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

- The project will build on the evaluation of the oil data initiative undertaken by APERC in conjunction with international organisations including the IEA and OPEC.
- The project complements the ongoing EWG Energy Security Initiative project, which involves the voluntary exchange of information and experiences among economies on measures to respond to oil market disruptions by providing a framework for analysing the economic impacts of these measures.
- The proposed project will also draw on the outcomes of forthcoming workshops including those related to:

- the sharing of information on oil data initiative and stocks to be held at the APEC Energy Working Group meeting in May 2002; and
 - measures to deal with the possibility of sea lane disruption to be held in Tokyo in April 2002 as part of APERC activities.
- The proposed project will also complement the findings of the EWG's study on the barriers to the interconnection of power grids in member economies, which notes that contrary to what some might fear, interconnection enhances power system security by reducing the vulnerability of otherwise isolated power systems to events that fall outside the control of transmission system operators.
 - The development of knowledge and information sharing on energy security issues will ultimately also contribute to energy for sustainable development by addressing issues concerning the reliability and affordability of energy supplies.
 - Finally, the proposed project would contribute directly to related analysis in individual APEC member economies.

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

- The main deliverable of the project will be a final research report that will incorporate:
 - information on the background to the project;
 - the methodology employed to assess the costs of energy supply disruptions and the implications of alternative amelioration strategies;
 - an outline of the scenarios that will be modeled; and
 - an analysis of the modeling results.

In addition, the report will include a review of technological developments with implications for energy security in the long run.

- A second deliverable will be a presentation to an APERC workshop, or at some other appropriate opportunity, to be held at the completion of the project. This will provide an important opportunity to present and discuss the report's findings in an open forum with government and business sector participants.
- Both outputs will meet the needs of the targeted beneficiaries by increasing the understanding of member economies and policy makers in relation to energy security issues.

Methodology

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

- It is envisaged that the project will comprise three distinct component activities:
 1. Literature review and collection of data and information required for analysis of the key issues associated with energy security concerns in the APEC region. This will include details of:

- .. current energy resource/consumption imbalances in APEC;
- .. the long term outlook for energy demand and supply within APEC and the implications for the region's energy import dependency, particularly in relation to oil and gas;
- .. the geographic concentration of proven oil and gas reserves;
- .. the security of supplies from the Middle East to Asia, including issues related to sea lanes and pipeline routes;
- .. current strategies adopted by APEC economies to minimise their exposure to potential energy supply disruptions;
- .. current arrangements in place to deal with potential short term energy supply disruptions; and
- .. technological developments with implications for oil and gas markets in the long run.

It will be important that information collection for the study be conducted in conjunction with interested member economies, APERC and other relevant agencies. This should entail visits to APERC and to up to 6 APEC economies to gather and verify data and information relating to energy security.

2. Design and execution of modeling simulations to analyse the costs of potential supply disruptions and the impacts of alternative policy responses to energy security concerns in APEC:

The first section of the modeling will involve a set of simulations designed to examine the costs of both short and long-term energy supply disruptions affecting APEC economies. These simulations will capture the implications of supply disruptions for APEC economies in terms of:

- .. macroeconomic effects – impacts on GDP;
- .. structural effects – structural shifts in the economy as resources move away from energy intensive sectors; and
- .. energy sector effects encompassing both income effects – from changes in GDP – and substitution effects – as energy users and investors respond to changes in relative energy prices.

The second section of the modeling will focus on analysing the impacts at both the economy-wide level and sectoral levels of alternative strategies to address energy security concerns in APEC including but not limited to:

- .. current arrangements and policies adopted in APEC economies;
- .. the removal of any constraints to the efficient operation of international fuel markets; and
- .. the adoption of unilateral versus coordinated policy responses.

To meet the objectives of the project, analysis should be undertaken in a dynamic, general equilibrium framework using a model that is designed specifically to capture the short and long term economy-wide impacts of energy supply disruptions and amelioration strategies as well as the interactions across economies through trade and investment. Other important criteria include the capacity to separately identify the major and the majority of APEC economies and incorporate a detailed description of variables relating to energy and energy intensive sectors

The design of the modeling simulations will be undertaken in consultation with the Energy Working Group and interested economies and organisations, including APERC. This should

reflect a range of potential scenarios associated with energy supply disruptions, as well as a wide array of policy approaches to dealing with energy security considerations in the APEC region.

3. Dissemination of project outputs:

A published project report and related brochures and briefing documents will be prepared describing the findings based on the literature review, consultation with APEC member economies and modeling outputs. These publications will be disseminated to the APEC Energy Working Group and its member economies. They will be supplemented by the presentation of the project's findings to an APERC workshop, or at another appropriate forum, such as the EWG, as well as by presentations to relevant APEC fora.

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

The project proposal will be provided to the EWG Secretariat for placing on the EWG website four weeks prior to the 25th meeting of the Energy Working Group. This timeframe will allow all members time to consider the proposal prior to EWG23.

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

- It is proposed that the project be undertaken over a one year period from May 2003. An indicative timetable for each component of the project is as follows:
- Collection and verification of the information base, and literature review:
 - approximately three months will be allocated to collecting and verifying information with member economies, and undertaking a literature review of technological developments relating to oil production and use;
- Design and execution of simulations:
 - approximately seven months will be allocated to develop and undertake the modeling simulations critical to the project's objectives, and to analyse the results. A further two months will be required to prepare the project report. Each of these steps will be undertaken with the collaboration of the participating institutions.
- Dissemination of project outputs:
 - The publication and dissemination of the final report to the APEC Energy Working Group and within member economies will take place one year after the commencement of the project. Other, informal dissemination activities will continue to take place subsequently.

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 anticipated that all APEC economies could participate in different aspects of the project such as the provision of information and the assessment of results for their economies. Participation would be particularly encouraged by those eligible economies who wish to gain or enhance a capacity for

understanding the analytical techniques used to assess the costs of energy supply disruptions and the impacts of alternative options in addressing energy security concerns.

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 provisional budget for the project will be US \$188,750. Of this, up to US \$25,000 will be allocated to travel to APERC and up to six APEC economies for purposes of data collection and verification and discussion of relevant policy issues. Up to two additional trips will also be necessary to have follow up discussions with APERC and to present the results of the study to the Energy Working Group.
- Additional “in-kind” funding, including principally staff time from participating economies, is also likely to be forthcoming to an estimated amount of US \$30,000. An itemised budget is presented in Attachment 1.

16. *A timetable for the drawdown of APEC funding requested for the project, including details of any advance payment or installment payment requested and justifications for such requests.*

- The funding would be drawn down in three stages:

Of the non-travel proportion of the total budget:

- one third at the completion of the data completion and verification stage of the project;
- one third at the completion of the modeling simulation stage; and
- one third on publication of the final project report.

Of the travel proportion of the total budget:

- Upon completion of each approved overseas visit, as described in para 15.

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

- No waivers or exceptions 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:*

- Policy and government decision makers in APEC member economies, especially those involved with energy issues;
- Delegates to relevant APEC Working Groups and Committees;
- Energy and other researchers in APEC;
- Private/Business sector representatives in APEC; and
- interested members of the public in APEC and non-APEC economies, including non-governmental organisations.

(b) based on that audience, the form and content of outputs:

- published research report, including on the Internet, dealing with the implications of energy supply disruptions and alternative response policies for APEC economies, with an emphasis on energy consumption, production and trade.
- a presentation to an APERC workshop or other appropriate forum, such as a meeting of the EWG, at the end of the project .

(c) the format:

- a professionally published research report that can also be downloaded from the Internet.

(d) the number of copies for publication:

- With the publication of the report on the Internet, the print run will be kept to a minimum in line with APEC publications policy. At this stage, we envisage 200 (includes 2 to each member economy, approximately 100 to APERC workshop participants, 10 and 2 to the APEC Secretariat and the Energy Working Group Secretariat respectively and the remainder to the Energy Business Network contacts). This will be a substantial report including graphic and tabular information that will not be suitable for extensive downloading from a website. It is considered that 300 hard copies of the report is the minimum necessary to effectively disseminate an important study.

(e) accessibility of results for the targeted audience:

- the research report and other material will be written in a manner that will be easily accessible to the targeted audience. These materials will be made widely available, including on the Internet, and will be backed up by the presentation to the APERC workshop or other suitable fora, such as the meeting of the EWG, to be held at the completion of the project report.

(f) A publicity plan for:

(i) briefing the general or specialist media about key components of the project, and

.. media release, interviews.

(ii) the promotion of sales or other dissemination of the final product.

.. Journal articles;
 .. Direct mail flyers;
 .. inserts in specialist magazines; and
 .. advertisements in specialist magazines.

(g). *A budget for publication and dissemination, to form part of the itemised budget.*

Printing:	\$3000
Distribution:	\$750

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.*

- *Criteria for APEC projects*

- This proposal has been prepared in accordance with APEC Secretariat guidelines and is considered to meet the criteria for APEC projects. Regular progress reports will be provided to the BMC, as required on the implementation of the project. A final evaluation report will be prepared for the EWG and BMC at the conclusion of the project. A Project Steering Committee of EWG members will oversee the project and will have the opportunity to consider its progress and to assess its outcomes.

- *Measuring impacts*

- In circulating the final report of the project a survey should be included for recipients to complete giving their views on the content and utility of the report and on the benefits that recipients derive from it. Structured feedback should also be sought from participants in the proposed workshop. Advice from the members of the EWG will also be important in determining the impact of the project on expected beneficiaries.

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.
- Given the nature of the proposed project, the direct gender impacts of this project are likely to be limited. However, in the longer term, the lack of any major energy supply disruptions and the adoption of integrated and cost effective strategies will have a positive impact on economic growth in APEC and, thereby, create many opportunities for women not only as beneficiaries of income growth but also as decision makers and investors.

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.
- The project will be designed to include a balanced gender profile in the planning, management, allocation of resources, and implementation of the project. It is envisaged that women will contribute to at least 50 per cent of the resources attached to the project, including at the senior management level.

Methodology

3. Provide a brief description of the way women will be able to participate equitably in the development and implementation of the project.
- This objective will be met by:
 - giving women the opportunity to participate in the development and implementation of the project;
 - ensuring that the equitable participation of women is inherent in corporate planning, culture and everyday operations; and
 - addressing any impediment to the equitable participation of women.
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.
- By its nature, the direct gender impacts of the proposed project are limited.

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 targeted audience for this project has a high level of women representation as:
 - Policy and government decision makers in APEC member economies;
 - Delegates to relevant APEC Working Groups and Committees;
 - Energy and other researchers in APEC;
 - Business sector representatives in APEC; and

- interested members of the public in APEC and non-APEC economies.
- The research report and other material will be written in a manner which will be easily accessible to the targeted audience. These materials will be made widely available and will be backed up by the presentation to the APERC workshop to be held at the completion of the project report.

Budget

6. Are women involved in making decisions on the allocation of resources?
 - Women will play an important role in the allocation of resources through their capacity as Project Leader and Business Manager.
7. Where appropriate, provide details of the project's budget that are allocated to activities that address the specific needs of women.
 - Not applicable to this particular 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.
 - Assessment of whether gender criteria for this project are met will be undertaken through evaluation of the extent to which:
 - women are beneficiaries of the proposed project outcomes;
 - women are involved in all aspects of the project including planning, management, allocation of resources and implementation;
 - women are well represented as presenters and participants in the target audience;
 - the project's results are widely accessible to women; and
 - opportunities for feedback from women are embedded in the evaluation stage.
 - Measurement of impacts of the project on women could be undertaken through:
 - an evaluation report prepared for the EWG and BMC at the conclusion of the project;
 - feedback from the Project Steering Committee of EWG members;
 - survey of recipients of the final report; and
 - feedback from participants in the proposed workshop.

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

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

[The budget may need to have the travel section fleshed out to elaborate on the number of trips to be undertaken and the destination (even if this is just "Trip 1 – Asia"). This information will need to be reflected separately in the "airfare" and "per diem" sections].

Items			APEC Funding (USD)	Self Financing (USD)
<i>Direct Labour</i>	<u>No. of Hours</u>	<u>Rate</u>		
- Speaker's Honorarium				
- Translator's Fees				
- Short-term clerical and secretarial staff remuneration				
- Consultant (incl Researcher) Fees	1450	109	158,000	
- Consultant's Secretary Cost				
- In-kind funding				30,000
<i>Travel</i>				
- Per Diem (incl. Accommodation and "additional payment")	25 days	250	6,250	
- Airfare			18,250	
(a) 1 trip to Asia				
(b) 1 trip to Americas				
(c) 1 trip*2 people to final workshop				
	<u>Copies</u>	<u>Unit cost</u>		
<i>Publication of report</i> (including distribution)	300	12.50	3,750	
<i>Equipment / Materials</i>				
<i>Photocopying</i>				
<i>Communications</i> (Phone/ Fax/ Mail/ Courier)			2,500	
<i>Hosting</i> (pls describe, eg, conference room rental, stationery)				
Total			188,750	30,000