

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

Project No. (to be filled in by Secretariat)	Date received by Secretariat	Late/ Not Late ( ) ( )
<b>Name of Committee/Working Group:</b> Expert Group on Energy Data and Analysis/Energy Working Group		
<b>Title of Project:</b> Operation of APEC Energy Database and Analysis		
<b>Proposing APEC Member:</b> Japan		
Co-sponsoring APEC Member(s): Australia; Brunei Darussalam; Hong Kong, China; Indonesia; Malaysia; Mexico; Chinese Taipei; Thailand; United States; Vietnam		
Project Overseer: Name, Title and Organization Name: Kenichi Matsui (Male/♀) Title: Chairman Organization: Expert Group on Energy Data and Analysis		
Postal Address: The Energy Data and Modelling Center The Institute of Energy Economics, Japan Inui BLDG., 13-1 Kachidoki 1-chome, Chuo-ku Tokyo 104-0054, Japan		Tel No: 81-3-5547-0215 Fax No: 81-3-5547-0226 Email: matsui@edmc.ieej.or.jp
Financial Information	Total Cost of Proposal (US\$) 167,300 US\$	<b>Amount being sought from APEC Central Fund 28,500 US\$</b>
Type of Project: ( ) seminar/symposium ( ) short-term training course ( ) survey or analysis and research (x) database/website ( ) others (please specify)		
Project Start Date: 1 January 2003		Project End Date: 31 December 2003
<b>Project Purpose:</b> The objective of the work on this project is to collect basic energy statistics, mostly demand and supply statistics, using a consistent framework for energy data reporting and processing these to produce APEC Energy Statistics including energy demand and supply projections within the APEC region and operate a computerizing network system for data and information to assist the identification of significant trends in energy demand and supply to be consistent with projects and priorities under the theme of Regional Energy Cooperation. Based on this Database and other collected informations through EGEDA channel, analysis on energy situation and overview will be made subsequently. This project provides basic information to promote measures to realize the priorities of the APEC EWG and Ministerial Declarations.		
Signature of Project Overseer: (Separate written confirmation acceptable for email submission)		Date:
Signature of Committee Chair/WG Lead Shepherd: (Separate written confirmation acceptable for email submission)		Date:

## Ecotech Weightings Matrix

(Revised - November 2000)

*(Operation of APEC Energy Database and Analysis)*

Criteria	Supporting Information <i>(indicate paragraph number if details are in the project proposal)</i>	Linkage <i>(1 point for each)</i>
Responds to a <u>specific</u> instruction from Leaders/Ministers <b>1</b>	04-4, 04-5	2
Meets a core ECOTECH theme under the <i>Manila Declaration 1</i>	04-3	1
Responds to the Common Policy Concepts, Activities and Dialogues identified in Part II of the <i>Osaka Action Agenda 1</i>	04, 04-1, 04-2	2
Responds to a <u>specific</u> ECOTECH Initiative <b>2</b>	N/A	0
Improves skills, including in new technologies	04-3	1
Builds capacity and strengthens institutions	04-3	1
<u>Measurably</u> improves economic efficiency/performance <b>3</b>	N/A	0
Is of <u>practical</u> benefit to the private/business sector; has private/business sector <u>participation</u> ; and/or <u>funding</u> <b>4</b>	Practical 03, 06 Participation 04(Latter Half) Funding (Annex A1)	3
Assists economies attain sustainable growth and equitable development, while reducing economic disparities among APEC economies and improving economic and social well-being	N/A	0
Supports a TILF objective, as laid down in Part 1 of the <i>Osaka Action Agenda 1</i>	-	0
Disseminates information including through seminars/websites/databases <b>5</b>	10	0
Outline the <u>outcome</u> and how members will benefit <b>5</b>	03, 10	0
	<b>Net Score</b>	<b>10</b>

**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 eg 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****A. PROJECTION DESIGN****Project**

01. **Name of project:**  
Operation of APEC Energy Database and Analysis
02. **Name of the working group or committee taking responsibility for the project and the dissemination of its results:**  
Expert Group on Energy Data and Analysis

**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 overall objectives of the Expert Group is to improve the quality of energy policy decision making in APEC member economies and to improve the efficiency of the regional energy market through improving the quality and availability of energy data and projections.

The objectives of the projects are to collect the energy data and relevant informations from member economies to operate the APEC Energy Database connected to the international network (the Internet) and to make Overview of APEC Energy Situation and to release the results including APEC energy statistics

Results of the project will be measured by frequency of the use of the APEC Energy Database in government, academia and business in each economy, and in international energy and environment related organisations, specifically EWG Fora, APERC for the purpose of research, forecasting, and policy decision-making.

This will be shown quantitatively by number of access to the APEC Energy Database and number of quotes of the APEC Energy Statistics in various research papers, publication, documents of the government, academia, business and international organization.

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:**

In general, this project responds to most of the priorities, action program and policy principles set by APEC Leaders and Ministers by providing basic information on energy demand and supply data and analysis and fostering common understanding of the energy situation in APEC among the member economies. And in particular, it

responds to the following priorities, action programs, policy principles and strategic plan.

1. Action Agenda on Energy Common Policy Concepts, a) fostering a common understanding on regional energy issues set by the Osaka APEC Leaders Meeting in 1995.
2. Joint Activities/Dialogue, b) consolidate the APEC energy data base and disseminate the data contained there in regularly, set by the Osaka APEC Leaders Meeting in 1995.
3. This project relates to the priority theme “Develop Human Capital” identified in Manila Declaration on ECOTECH. The Expert Group on Energy Data and Analysis contributed to develop human capital through this project by providing local staffs in the APEC developing economies guidance and training to collect energy data and to produce energy balance tables.  
This project also relates to the priority theme “strengthen economic infrastructure” of the Declaration through providing basic and consistent data on energy demand and supply, which is prerequisite for strengthening economic infrastructure.
4. No.9 of the 14 Non-Binding Policy Principles set by the Energy Ministers Meeting in Sydney in 1996. Encourage the establishment of arrangements for the development of human resource skills relevant to the application and operation of improved technology. As mentioned in 3. the Coordinating Agency offered services to develop human resources to carry the energy data base activity.
5. Declaration 7, of the Okinawa Energy Ministers Meeting in 1998. APERC’s Outlook be used by the EWG and its Fora and that the Centre should continue its work to better understand the energy supply and demand issues confronting the Asia-Pacific Region.  
The Expert Group on Energy Data and Analysis provided the APERC basic data necessary for their research activities.
6. This project copes with the following objectives and plans of the Future Directions Strategic Plan of the APEC Energy Working Group, which was adopted on 19 May 2001 at its 21<sup>st</sup> EWG Meeting in Kuala Lumpur:
  - strengthening the security and reliability of affordable energy to all within our APEC community
  - harnessing all expertise available to the EWG to give effect to the above objectives
  - fostering a common understanding on regional energy issues
  - improving the analytical, technical, operational and policy capacity within member economies

Following is the brief history of the EGEDA.

At the second meeting of APEC Energy Working Group in Indonesia in 1991, it was agreed that an Energy Data Expert Group would be established within APEC and that this Group would be responsible for managing and reviewing the establishment and management of the Energy Database.

It was also agreed that the central data collection point would be established in the Institute of the Energy Economics, Japan. Pursuant to this agreement, the Energy Data Expert Group was set up in 1991. This Energy Working Group agreed to rename to the Energy Data and Outlook Experts Group (EDOEG) at the EWG Meeting in Hong Kong in May 1996 reflecting its new role of advising the Asia Pacific Energy Research Centre (APERC) in the execution of its outlook and research activities and subsequently to the Expert Group on Energy Data and Outlook at March 1998 EWG Meeting and further to the Expert Group on Energy Data and Analysis at the EWG Meeting in the U.S.A. in 1999 to reflect the expanded activities.

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 TILF Special Account

### Linkage

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:**

All member economies can use the APEC Energy Database, which provides basic statistical information for demand and supply analysis and policy formation. And the APEC Energy Database is open to all individuals and organizations, public and private.

The APERC was established to make the APEC Energy Outlook in 1996. The EGEDA is examining and advising on the research activities of APERC. The APEC Energy Outlook enables APEC members to foster a regional common understanding on future trends in energy demand and supply and furthermore, energy policy implications of those trends.

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. (\*):**

As the private sector, Energy Data and Modelling Center (EDMC) is participating with the EGEDA. The Japanese government entrusted coordinating business to the EDMC so the EDMC has acted as the Coordinating Agency (CA) of the EGEDA. The EGEDA does its work, collecting the APEC Energy Data from each member economy, operating the APEC Energy Database, producing the APEC Energy Statistics and assisting the preparation of the EGEDA meetings.

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 APEC energy projects (e.g. Energy and Environment, Energy Conservation and Efficiency) will need this Energy Database and will benefited from this project and APERC needs and requires a more developed Energy Database from the Experts Group.

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

The Energy Database is useful and necessary for the research activities of APERC.

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

All member economies will receive copies of the publication "The APEC Energy Statistics" and its "APEC Energy Handbook", and "APEC Energy Overview" and benefit from having access to the Energy Database on the Internet.

### Methodology

11. **A concise description of the project's methodology:**

Quarterly and annual Energy data in conformity with a common reporting format is sent from member economies to the CA by e-mail. The CA arranges and processes

these data to produce consistent regional statistics and to add to the overview of the APEC Energy Statistics. This energy data is open to all member economies and all individuals and organizations, public and private through the Internet. The APEC Secretariat publishes this statistics.

EGEDA produces and publishes "APEC Energy Overview" endorsed by the EWG 19 coordinating with the APERC. Data collected by the CA are used for this publication. Members of the EGEDA meet together once a year to discuss about managing and reviewing the operation of the Energy Database and examine and advise on the research activities of APERC.

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

Project plan is reported at the EGEDA Meeting for discussion and decision at the Meeting for the continuing projects. Drafts for new projects are circulated well in advance, at latest two weeks in advance, of the EGEDA Meeting.

**13. A timetable for the accomplishment of each component in (12):**

For the 2002/2003 Standard Run

1st quarter of 2002	end of July 2002
2nd quarter of 2002	end of October 2002
3rd quarter of 2002	end of January 2003
4th quarter of 2002	end of April 2003
Annual Data for 2001	end of November 2002

Publication of APEC Energy Statistics 2001	November 2003.
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Publication of APEC Energy Handbook 2001	November 2003.
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Publication of APEC Energy Overview 2003	Towards end of 2003
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Producing of CD-ROM	December 2003
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**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 (12). (\*):**

All member economies are participating in this project specifically in submitting their data. Data gathering and Operation of database is done by the CA and the publication is done by the APEC Secretariat.

### 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:**

See the Annex A1. The APEC Central Fund will only be used to cover the expenses of printing and distribution of the Energy Statistics, its handy Summary, Energy Overview and CD-ROM, and all other operating costs for maintaining and updating the database will be self-financed.

**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:**

Publication will be done in December 2003

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

No.

### **Dissemination of project output**

18. **A plan for the publication and dissemination of the results of the project, including:**
- a. Government officials, researchers and businesspersons of the member economies.
  - b. Publication and online energy database.
  - c. Hard copies, Internet online service and Electronic Devices (CD-ROM for APEC Energy Statistical Analysis Tool). The original CD-ROM will be produced by the CA. It will be sent to the APEC Secretariat, Singapore for reproduction.
  - d. The number of copies for the publication.
    - “APEC Energy Statistics 2001” is 200.
    - “APEC Energy Handbook 2001” is 500
    - “APEC Energy Overview 2003” is 300
    - “APEC Energy Statistical Analysis 2001-CD ROM-” is 400
  - e. The Coordinating Agency set up its homepage on the Internet and all member economies can have access to “The APEC Energy Statistics” through this homepage.
  - f. i. To produce “Handbook of the Energy Statistics” and other relevant reports.  
 ii. “APEC Energy Statistics 2001”: Five copies for each member economy and ASEAN Centre for Energy (ACE), 20 copies for the CA (including APERC) and one copy for other Expert Groups and APEC fora. The remainder will be available for sale.

The number of copies of its summary handbook “APEC Energy Handbook” and “APEC Energy Overview” will be distributed a little wider and in larger number since the Handbook and the Overview are both handy and more suitable for the politicians, business people and energy officials in general than the “APEC Energy Statistics”. Likewise, the CD-ROM is a handy and practical material for statistical work and will be distributed in a little wider and in large number.

### **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 results of the project will be measured by the frequency and/or degree of quotation of the “APEC Energy Statistics” and frequency of the Internet access to the APEC Energy Database and the quality of the “APEC Energy Overview” and their contribution to the EWG and its Fora.

As for the frequency or degree of quotation of the “APEC Energy Statistics”, we judge firstly with the number of access to the “APEC Energy Database”. Recent years, it had about 300 access per month, which we found successful. Secondly we judge the success of this activity when it is used for energy analysis and forecast in any APEC EWG fora as basic data specifically in the APERC’s research and Energy Outlook. APEC Energy Statistics served as basic data source for the “APERC’s Energy Outlook” and “APEC Energy Overview”. APEC Energy Statistics is now also quoted frequently as a basic information source for energy data for various purposes in Asia and Pacific region.

### 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.

It is common in all APEC economies that many women are involved in collection of energy data and management of database and in some cases women staffs are dominant in this job. This project strengthened their skill through ordinary activities of APEC Energy Database management and eventual training.

#### 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.

Activities of the EGEDA are guided and decided by the EWG Meeting, where many women delegates participate representing their economies. EGEDA group itself has many women members and the current Vice-Chair of EGEDA is a woman.

#### Methodology

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

As stated above, many women in all member economies are engaging in energy statistics job. Also, many women have participated the EGEDA Meeting representing their economies.

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.

Since the energy data relates both gender and energy statistics and energy informations do not make a distinction between men and women, this project does not collect and use sex-disaggregated data and information.

#### 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 results of the project are published electronically and in hard cover booklet and book. Those women with computer skill will access the results electrically and those women with less or no skill in computer work can access the results in the handy booklet with simple graphs and tables in color, which is a summary of the thick statistical book.

- 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

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



Yes. EGEDA makes proposal for budget in the Annual Meeting, where women delegates participate.

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

As stated in the response for the item 4, energy statistics and information relate to both gender, this project's budget does not have gender specific item.

#### **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.

Involvement of women in the job of producing and managing APEC Energy Database and participation of women to the EGEDA Meeting will be important criteria to assess the project.

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## Annex A1

**APEC Operational Account  
Itemized Budget for Financial Year 2003\***

<b>Items</b>			<b>APEC Funding (USD)</b>	<b>Self Financing (USD)</b>
<i>Direct Labour</i>	No. of Hours	Rate		101,000
- Speaker's Honorarium				
- Consultant (including Researcher) Fees				
- Consultant's Secretary Cost				16,100
<i>Travel</i>				
- Per Diem (including accommodation and "additional payment")				
- Airfare	No. of Copies	Unit Cost		
<i>Publication of report</i> (including distribution)	Statistics 200	40	8,000	
	Handbook 500	20	10,000	
	Overview 300	15	4,500	
	CD-ROM 400	15	6,000	
<i>Photocopying</i>				
<i>Communications</i> (Phone/Fax/Mail/Courier)				
<i>Others</i> (Administration)				23,000
<i>Total</i>			28,500	140,300

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

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