



Summary Record of the 23rd Energy Working Group Meeting

The twenty-third meeting of the APEC Energy Working Group (EWG) was held in Bangkok, Thailand, on 15-16 May 2002. Australia and Thailand co-chaired the meeting.

Delegates from Australia; Brunei Darussalam; Canada; Chile; the People's Republic of China; Hong Kong, China; Japan; Republic of Korea; Malaysia; Mexico; New Zealand; Papua New Guinea; the Philippines; Singapore; Chinese Taipei; Thailand; United States of America; and Viet Nam participated in the meeting. Representatives from the EWG and APEC Secretariats also attended. The Asia Pacific Energy Research Centre (APEREC), the Expert Group on Energy Data and Analysis (EGEDA), the Expert Group on Minerals & Energy Exploration and Development (GEMEED), the Expert Group on Energy Efficiency and Conservation (EGEEC), the Energy Business Network (EBN) and the Pacific Islands Forum Secretariat (PIFS) were represented at the meeting. Pakistan and Venezuela attended the meeting as guests.

A list of participants is at [Attachment A](#).

1. Opening address by the Co-Chairs of the Meeting and the Adoption of the Agenda.

In his welcome address, Co-Chair for the meeting, Dr Piyasvasti Amranand, Secretary General of the National Energy Policy Council, Thailand, warmly welcomed delegates to EWG23 and to Thailand. Dr Amranand noted the vital role that energy plays in economic and social development. He pointed out that within APEC energy reserves and production are less than energy demand and hence most APEC economies are net importers of energy, especially of oil. Energy supply security is therefore a key issue for the region. Dr Amranand noted the important role of the APEC Energy Security Initiative in strengthening energy security in the region.

Dr Amranand also discussed the ways in which Thailand had addressed energy supply problems in order to realise sustainable development. These included cooperation on information sharing with international organisations; energy efficiency initiatives aimed at reducing energy investment requirements, dependence on energy imports and adverse environmental impacts; and diversification of energy supplies, including through the promotion of renewable energy. This has been encouraged through the provision of financial support under Thailand's Energy Conservation Program.

Dr Amranand also discussed the role that liberalisation of energy markets can play in enhancing energy supply security and energy efficiency and informed members of the progress of liberalisation in Thailand's oil and electricity industries.

Mr Tim Mackey, Lead Shepherd of the EWG and Co-Chair, thanked Dr Amranand, on behalf of all delegates attending EWG23, for his address and for the excellent meeting facilities provided by Thailand. He also outlined the business for the meeting.

The agenda for the meeting was adopted.

2. Report from the Seventh Meeting of the Energy Working Group Business Network (EBN)

The Chair of the EWG Business Network, Ms Rosario B. Venturina, presented the *Summary of Decisions Taken* of the seventh meeting of the EBN which was held in Cebu, the Philippines, on 16 March 2002. In her report, Ms Venturina highlighted the topics to be discussed by the EBN with Energy Ministers at their fifth meeting in July 2002. The desirability of member economies joining the EBN, as well as regularly attending meetings, was also raised. A number of follow-up activities for IFAT visits to be undertaken by EBN members and the changes to the 10 year exclusion rule when selecting the EBN Chair and Vice Chair were also highlighted. Ms Venturina advised that the written report of future EBN meetings would capture more detail of developments in each economy as members had agreed to record the meeting.

Ms Venturina advised that the Mexican EBN representatives had provided details of arrangements for EMM5, including a Business Dialogue to coincide with EMM5.

The Mexican representatives also advised that Mexico would host EBN8.

Ms Venturina suggested that Australia may wish to consider hosting the Sixth APEC Energy Ministers Meeting in Sydney in 2004 in conjunction with the World Energy Congress.

EWG members noted the report provided by Ms Venturina and also noted the suggestion that Australia host the the Sixth APEC Energy Ministers Meeting in Sydney in 2004 in conjunction with the World Energy Congress.

Members welcomed the advice that future EBN reports will be more detailed.

Action Arising/Next Steps

- Nil.

3. Proposals Arising from the Seventh Meeting of the Energy Working Group Business Network (EBN7)

3.1 Fifth Meeting of APEC Energy Ministers (EMM5)

EWG members noted that EBN members have identified up to six topics to be discussed with Energy Ministers at their meeting in Mexico in July 2002. These are: implementation activities; mobilising private sector investment in energy infrastructure; sustainable development; strengthening operational aspects of APEC energy micro-economic reform; addressing the barriers to the interconnection of power and gas grids in APEC economies; and the production of synthetic fuels.

EWG members noted the topics and suggested that the EBN may wish to prioritise the list of topics to allow time for dialogue. Members did note that the EBN retain the topic mobilising private sector investment in energy infrastructure in any prioritisation because of its importance to many members.

3.2 Economy Attendance at EBN Meetings

EWG members noted the comments made by the EBN regarding membership of the Network and attendance by representatives at meetings. Chile, Korea and Malaysia advised that they will be represented at future EBN meetings. The People's Republic of China and Hong Kong, China indicated that they supported the work of the EBN and were in the process of identifying EBN representatives. Chinese Taipei also indicated that they would encourage their representative to attend. Papua New Guinea and Viet Nam, while they do not have representatives, encouraged the good work of the EBN.

3.3 Selection of Chair and Vice Chair

EWG members noted the changes made by the EBN to the 10 year exclusion rule in relation to the selection of the EBN Chair and Vice Chair.

Action Arising/Next Steps

- EBN Members to note the EWG suggestion to prioritise the policy papers for the Ministerial/Private Sector dialogue to ensure exchange of views from both sides.
- Discussion papers for the Ministerial Meeting to be finalised by the EBN and circulated to members through the EWG Secretariat.
- A one page summary of each discussion paper to be circulated to members through the EWG Secretariat.

4. Implementation Facilitation Assistance Team (IFAT) Update

Dr David Natusch, PECC representative and IFAT participant, presented the team's report on the IFAT visit to the Philippines which occurred on 14-15 March 2002. He noted the excellent terms of reference prepared by the Philippines encompassing the structure of the gas industry, gas pricing, gas industry regulation, gas industry incentives and cross border issues. Dr Natusch noted that a positive outcome of the IFAT visit was the decision by the Philippines to review the proposed role of the Department of Energy as the gas industry regulator and to consider the potential role of an independent regulator. Dr Natusch noted that the visit had been a successful means of providing external advice and commentary on the Philippine's gas industry plans. He also recorded PECC's congratulations to the EWG and EBN for establishing and fostering the IFAT process.

Following the report provided by Dr Natusch, Undersecretary Jose Victor De Dios of the Philippines Department of Energy presented the Philippines report on the outcomes of the IFAT visit. He considered the visit to be highly successful. The Department of Energy is preparing a draft policy paper on the downstream gas industry that will include the appropriate IFAT recommendations. This will be available on the Department of Energy website and additional inputs from EWG members will be welcome. Undersecretary De Dios extended his appreciation to the EWG Secretariat for making the IFAT successful.

The reports provided by the IFAT member and the Philippines were noted by EWG members.

EWG members also noted that EBN members in discussing follow up activities for IFAT visits, at their seventh meeting, resolved that the relevant economy EBN representative would report at the subsequent two meetings of the EBN on the progress in implementing the IFAT outcomes.

The Chair encouraged other members to take advantage of the IFAT process.

Action Arising/Next Steps

- Members to advise if they wish to invite an IFAT visit.

5. APEC and EWG Secretariat Reports

Mr Tong Xianguo, Director (Program) APEC Secretariat and Mr Garry Compton, Manager, EWG Secretariat presented their respective Reports to members. EWG members noted the Reports.

Action Arising/Next Steps

- Members to provide any amendments to the current EWG Contact List and EWG Calendar of Events to EWG Secretariat during EWG23.
- EWG Secretariat to update EWG Contact List and EWG Calendar of events.
- EWG members or sub-groups to submit a request for guest participation in EWG activities to the EWG Secretariat, at least six weeks prior to the activity.

6. Fifth Energy Ministers' Meeting

Mexico reported on the progress made at the second Steering Committee meeting which took place in Bangkok on 14 May. A revised agenda for the Fifth Energy Ministers' Meeting was circulated for comment. Members considered the revisions to Agenda Item 2 and Agenda Item 3. Members agreed that the Lead Shepherd would include reference to all current EWG initiatives since the last Ministerial Meeting in his report to Ministers.

Members also discussed issues that should be included in the Energy Ministers' draft Declaration. Members considered that the Declaration should be short and action oriented, that it build on previous Energy Ministers' Declarations, and recognise the broader APEC context, including the APEC Leaders' Statement on Counter-terrorism. Mexico requested the EWG Secretariat to assist Mexico and to gather economies' comments in the preparation of the draft of the Declaration. The first draft will be circulated to members for comment and a second draft, incorporating members' comments, will be circulated before the next Steering Committee meeting. Members agreed to finalise the draft Declaration at the third Steering Committee meeting, being held in Mexico on 14 June. Mexico also reported that the administrative arrangements for the Ministerial were progressing well and provided an Administrative Circular to members. Mexico sought members' cooperation in facilitating arrangements for the visiting delegations.

Members expressed their appreciation to Mexico for their excellent arrangements for the fifth Energy Ministers Meeting.

Action Arising/Next Step

- Members to provide the EWG Secretariat with their contribution to the draft Ministerial Declaration.
- The EWG Secretariat to then assist Mexico prepare the first draft of the Ministerial Declaration, and circulate to members for comment.
- The EWG Secretariat to then assist Mexico to prepare a second draft of the Ministerial Declaration before the next Steering Committee Meeting. The final draft of the Declaration to be prepared at the third Steering Committee meeting on 14 June 2002.
- Members noted that Mexico suggested that, if necessary, an additional Steering Committee Meeting would be held on 22 July.
- Members to provide Mexico with details as outlined in the Ministerial Circular.

7. Energy Security Initiative

Members noted the progress on the Energy Security Initiative (ESI), including reports on the recent APERC Sea Lane Disruption Simulation Exercise (Tokyo, April 2002), the Energy Security Initiative Workshop in Chinese Taipei (April 2002) and the Energy Security Workshop (Bangkok, 13 May 2002).

Members endorsed the recommendations of the 2002 Energy Security Initiative Workshop, held in Chinese Taipei, and revised in Bangkok on 13 May and agreed to present the recommendations to the Fifth Energy Ministers' Meeting as part of the Lead Shepherd's brief presentation on all current EWG initiatives.

In their discussions Members noted APEC Ministers' Joint Statement and APEC Leaders Counter-terrorism Statement in October 2001.

Action Arising/Next Step

- The EWG to present the recommendations to Energy Ministers at EMM5 as part of the Lead Shepherd's brief presentation on all current EWG initiatives.

8. Statement on Notable Energy Developments Since EWG22 (September 2001)

The Chair thanked Australia; Chile; People's Republic of China; Hong Kong, China; Mexico; New Zealand; Singapore and Chinese Taipei for providing their Statements on Notable Energy Developments. At the meeting statements were tabled from Japan; Korea; the Philippines; and Thailand.. Members who tabled their Statements at the meeting were encouraged to provide an electronic copy to the EWG Secretariat to enable circulation to members by 21 June 2002.

Action Arising/Next Steps

- Those members wishing to submit their Statement on Notable Energy Developments are invited to provide an electronic version to the EWG Secretariat by 31 May 2002.
- The EWG Secretariat is to circulate these additional documents to members by 21 June 2002.

9. Pledge and Review

Members noted the contributions to the voluntary Pledge and Review Program, and the Annual Reports submitted by Australia; Chile; Hong Kong, China; Japan; Mexico; New Zealand, Singapore; Chinese Taipei and Thailand. Members noted the "Second Report of the Energy Working Group on the Pledge and Review Program" prepared by the EWG. At the meeting the Philippines lodged their contribution. Member economies that have not yet submitted their Pledge and Review contributions were encouraged to do so as soon as possible.

One member suggested that, given the purpose of the exercise is to share information on projects that were of broad interest to economies, focus could be placed on projects that were applicable to other member economies with the possibility of one-off reports on projects of broad interest.

Action Arising/Next Steps

- Member economies that have not done so are encouraged to submit their Pledge and Review contribution to the EWG Secretariat for circulation to members.
- Members to consider ways to enhance the Pledge and Review Program.

10. Case Study Report on Energy for Sustainable Development

Members considered the Australian case study "*Energy for Sustainable Development: The Contribution and Role of the APEC Energy Working Group*". Members noted that the role of energy for sustainable development is embodied within the EWG's Future Directions Strategic Plan and confirmed the relevance of many EWG Expert Group activities towards this goal.

Members agreed that the EWG had much to contribute towards the growing global dialogue on sustainable development and was in a position to take a lead role in addressing energy for sustainable development and highlighting the importance of regional forums and voluntary partnerships in addressing this important issue.

Members noted that it would be valuable to present the issues to the Energy Ministers Meeting. Members further noted that the forthcoming World Summit on Sustainable Development (Johannesburg, Aug/Sep 2002) would provide an opportunity for the EWG to show-case its energy for sustainable development activities.

Members also suggested that some initiatives, such as projects under the 21st Century Renewable Energy Development Initiative should be highlighted.

Action Arising/Next Steps

- Australia to revise the case study report in accordance with members' suggestion.

- Members agreed to forward the revised case study report to Energy Ministers at EMM5 for their endorsement in the context of a contribution to the forthcoming World Summit on Sustainable Development.

11. EWG Annual Report to APEC Leaders

The Chair of the EWG noted that Energy Ministers had committed to an implementation strategy that features an annual self report on implementation progress to APEC Economic Leaders. Members have already agreed to the format for reporting to Leaders in 2000. The Chair also noted that the EWG was directed by Energy Ministers to make the above report available at the second meeting of the year as a basis for discussion of implementation progress. He suggested that members devote sufficient time during the second meeting of the year to discuss the progress that has been made on the implementation strategy and to agree on a succinct draft summary for Leaders, bearing in mind that individual economy reports will be attached to this summary. He proposed that by doing this the EWG will be able to assess its achievements during the year and also discuss what should be put in the operational plan for the following year in order to progress the implementation strategy endorsed by Energy Ministers.

Action Arising/Next Steps

- Members agreed to the above process.

12. Policy Dialogue (EWG Members only - No Observers or Guest Participants)

Members held a policy dialogue on the topic *Rural Electrification* and, as previously agreed, no record of discussion was taken under this item. It was agreed that for EWG24 the policy subject would be *Addressing the barriers to interconnection of power grids and gas pipelines in APEC economies*.

Action Arising/Next Steps

- Nil.

13. Report of the Meeting of the Chairs of the EWG Expert Groups

The EWG Secretariat presented a Report to members on the outcome of the meeting of the Chairs of the EWG Expert Groups held in Bangkok on 14 May. Members noted the Progress Reports prepared in advance of the meeting by each Expert Group. Members noted that Mr Scott Smouse has taken up the position of Chair of the Expert Group on Clean Fossil Energy. Members expressed appreciation for Dr Sun Chun's efforts as the former Chair of the Group.

Members also expressed their appreciation of the work of EGEDA through its contribution to the Joint Oil Data Exercise. Members agreed that the Joint Oil Data Exercise should become a permanent exercise on a voluntary basis from September 2002.

Action Arising/Next Steps

- Nil.

14. Review of the Terms of Reference of EWG Expert Groups

Members approved the revised Terms of Reference (ToR) without change for:

- Expert Group on Energy Data & Analysis;
- Expert Group on Energy Efficiency & Conservation;
- Expert Group on New & Renewable Energy Technologies;
- Expert Group on Minerals & Energy Exploration & Development; and
- GEMEED's Expert Sub-Group on Environmental Cooperation.

Members then discussed the draft ToR for the Expert Group on Clean Fossil Energy. It was agreed that the EWG Secretariat would prepare a revised draft ToR and circulate to members for approval out of session.

In accordance with the decision by Members at EWG15 to review the ToR for the Expert Groups every two years, Members agreed that they would again be reviewed and presented to the EWG for approval at EWG27.

Action Arising/Next Steps

- The EWG Secretariat to prepare a revised draft ToR for the Expert Group on Clean Fossil Energy and circulate to members for approval out of session.
- The Expert Groups to review and present their Terms of Reference for EWG approval in 2004 at EWG27.

15. Report by the APERC Chair

The President of APERC reported on APERC activities and on progress towards implementing the recommendations of the APERC Review.

The President reviewed progress on APERC's current 6 projects, including the APEC Energy Demand and Supply Outlook 2002. New research projects for 2002-03 were also presented. The President expressed his gratitude to the government of Japan for its financial support of APERC.

Members expressed their appreciation for APERC's significant contribution to the analysis of energy issues in the APEC region, especially the efforts that APERC has made to progress the Energy Security Initiative through the sea lane simulation exercise.

The President of APERC also provided a comprehensive report on progress towards implementing the recommendations of the APERC Review. Members agreed to consider the draft Terms of Reference and other implementation proposals out of session, except for recommendation three which was accepted by members.

Members expressed their appreciation to the review team and to APERC for its progress on implementing the recommendations of the review.

Action Arising/Next Steps

- EWG Secretariat to coordinate members' consideration of the draft APERC Terms of Reference and the response to the recommendations of the Review out of session. The EWG Secretariat to report on the outcomes to members at EWG24.

16. Project Proposals for 2003

Members noted that 28 project proposals had been submitted for the consideration of the EWG. Of these, 16 were seeking funds from the APEC Central Fund Operational Account, 6 were seeking funds from the Trade and Investment Liberalisation and Facilitation (TILF) Special Account, and 6 were self-funded.

Members endorsed all 28 project proposals without amendment.

Members ranked the projects in the following order in accordance with the agreed EWG method up to a value of approximately US\$300,000.

Operational Account projects endorsed by EWG23 for forwarding to the APEC Budget and Management Committee (BMC) to a total value of US\$287,500.

1. Operation of APEC Energy Database and Analysis (Expert Group on Energy Data & Analysis) - Project 3 , APEC funds sought US\$28,500.
2. APEC 21st Century Renewable Energy Development Initiative (Collaborative VIII): Financial Roadmap for the APEC Region (Expert Group on New & Renewable Energy Technologies) - Project 4, APEC funds sought US\$50,000.
3. Cooperation on Energy Labelling (Expert Group on Energy, Efficiency & Conservation) - Project 13, APEC funds sought US\$30,000.
4. APEC 21st Century Renewable Energy Development Initiative (Collaborative I): Technical Workshop to Support Village Power Applications (Expert Group on New & Renewable Energy Technologies) - Project 6, APEC funds sought US\$49,000.
5. Energy Audit Training Program for the Industrial Sector (Expert Group on Energy, Efficiency & Conservation) - Project 15, APEC funds sought US\$30,000.
6. Assessment of Geological Storage Potential of Carbon Dioxide in the APEC Region (Expert Group on Clean Fossil Energy) - Project 9, APEC funds sought \$50,000.
7. APEC 21st Century Renewable Energy Development Initiative (Collaborative VI): Workshop on Advances in Electricity Storage in Support of Distributed Renewable Energy Based Systems.(Expert Group on New & Renewable Energy Technologies) – Project 5, APEC funds sought \$50,000.

The 9 remaining projects seeking Operational Account funding exceeded the US\$ threshold.

TILF Special Account projects endorsed by EWG23 for forwarding to the APEC BMC:

1. Energy Security in APEC: Assessing the Costs of Energy Supply Disruptions and the Impacts of Alternative Energy Security Strategies (Australia) - Project 1, APEC funds sought US\$188,750.
2. APEC 21st Century Renewable Energy Development Initiative (Collaborative VIII): Building and Developing an APEC Renewable-Energy Collaboratives Projects Integrator (APEC-CPI) (Expert Group on New & Renewable Energy Technologies) - Project 2, APEC funds sought US\$150,000.
3. Options to Reduce CO₂ Emissions from the Electric Power Generation Sector in APEC Economies (Phase 3) - TILF Workshop for Developing Economies (Expert Group on Clean Fossil Energy), Project 3, APEC funds sought US\$125,000.
4. Costs and Effectiveness of Upgrading and Refurbishment of Older Coal-Fired Power Plants in Developing APEC Economies (Expert Group on Clean Fossil Energy) – Project 4, APEC funds sought US\$50,000.
5. Sustainable Financing System for Energy-Efficiency Projects (Expert Group on Energy, Efficiency & Conservation) - Project 5, APEC funds sought US\$150,000.
6. Survey of Factors Influencing Demand for Minerals and Metals in the APEC Region (Phase 2) (Expert Group on Minerals & Energy Exploration & Development) - Project 6, APEC funds sought US\$42,500

Self-funded projects endorsed by EWG23:

1. APEC 21st Century Renewable Energy Development Initiative (Collaborative I): APEC Clean Energy/Village Power Private Sector Forum (Expert Group on New & Renewable Energy Technologies)
2. APEC 21st Century Renewable Energy Development Initiative (Collaborative II): Greenstar Micro-Enterprise Project Phase 2 - Replicating Solar Power and Internet Connectivity Concept for Sustainable Development (Expert Group on New & Renewable Energy Technologies)
3. APEC 21st Century Renewable Energy Development Initiative (Collaborative VIII): Demonstration of the Feasibility of Operating a Renewables-Related Energy-Service Company (RESCO) in the Hydro-electric Field (Expert Group on New & Renewable Energy Technologies)
4. Joint Coal Flow/Coal Technology Seminar in the People's Republic of China (Expert Group on Clean Fossil Energy)
5. Energy for Sustainable Communities Program (Expert Group on Energy, Efficiency & Conservation)
6. Earthquake Response Cooperation Program for Energy Supply Systems (Phase 3) (Chinese Taipei)

Action Arising/Next Steps

- The EWG Secretariat will submit the Operational Account and TILF Special Account project proposals listed above to the APEC Secretariat for consideration of the APEC Budget and Management Committee.

17. Other Key EWG Initiatives for noting by Members

17.1 Earthquake Response Cooperation Initiative

Members noted the Progress Report on the Earthquake Response Cooperation Initiative provided by Chinese Taipei. Members reiterated the importance of this initiative and one member highlighted how initiatives such as this help to achieve the important objective of energy security.

Action Arising/Next Steps

- Nil.

17.2 21st Century Renewable Energy Development Initiative

Members noted the Progress Report on the 21st Century Renewable Energy Development Initiative. Korea provided detailed information of the 2002 Exhibition on New and Renewable Energy Technology which will be held in November in Seoul. The second announcement of the exhibition was circulated and Korea requested that participating economies encourage the private sector in their respective economies to participate in the exhibition.

In addition, Korea indicated its interest in inviting renewable energy developers from non-APEC economies to contribute new technologies, success stories and case studies to the exhibition. Korea sought approval from EWG members to invite renewable energy developers from non-APEC economies. Many members agreed to Korea's request.

Action Arising/Next Steps

- Nil.

17.3 E-Commerce in Energy/Program on Best Practice in Energy Services

The Republic of Korea informed members that its plans to hold the second workshop on E-commerce in conjunction with EWG24. As agreed by members, the workshop will concentrate on the role of E-commerce in electricity and natural gas markets in the APEC region. The third workshop will be held during the second half of 2003 in conjunction with EWG26 which is to be hosted by the Republic of Korea. The third workshop will produce a compendium of Best Practice in Energy E-Commerce.

The United States indicated that in future the E-Commerce in Energy and the Program on Best Practice in Energy Services will be combined as a single project and the emphasis will be on E-Commerce. Members noted that this initiative should be coordinated with the broader APEC context.

Action Arising/Next Steps

- Members agreed that in future the E-Commerce in Energy and the Program on Best Practice in Energy Services be combined as a single project and that the emphasis be on E-Commerce.

- The next workshop to be held in conjunction with EWG24.

17.4 Framework for Cooperation on Energy Efficiency Testing Standards

EWG members noted the progress being made on the Framework for Cooperation on Energy Efficiency Testing Standards Initiative. Chinese Taipei noted progress has been made on this initiative and expressed appreciation to past Lead Economies for their contributions and suggested expanding this cooperation to energy standards and labelling activities.

Action Arising/Next Steps

- Members agreed to further consider the proposal by Chinese Taipei.

17.5 Environmentally Sound Energy Infrastructure Initiative, Phase 2

EWG members noted the progress report on Phase 2 of the Environmentally Sound Energy Infrastructure Initiative.

Action Arising/Next Steps

- Nil.

17.6 Addressing the Barriers to the Inter-Connection of Power Grids in APEC Member Economies

EWG members noted the progress being made to address the barriers to the interconnection of power grids in APEC member economies and the report of the Singapore Workshop. Members strongly supported this initiative, given its wide application in member economies, and economies were encouraged to participate in the second workshop proposed for later this year.

Action Arising/Next Steps

- EWG Secretariat to continue efforts to arrange for a host for the second workshop to address cross-border power issues.

17.7 Strengthening Operational Aspects of APEC Energy Micro-Economic Reform, Phase 3

EWG members noted the progress being made to implement phase 3 of this project. Members appreciated the interest by the Philippines and Thailand in each hosting a workshop. Members were advised that the EWG Secretariat is currently completing tender arrangements to engage a consultant to organize these workshops.

Action Arising/Next Steps

- The EWG Secretariat to advise the Philippines and Thailand of the successful tenderer and to facilitate drafting appropriate terms of reference with the host economies.

17.8 Measuring the Impacts of Regulatory Reform in the APEC Energy Sector

EWG members noted the progress being made on measuring the impacts of energy sector regulatory reform and advised the consultant to add detailed impacts on each economy to the report.

Action Arising/Next Steps

- The EWG Secretariat will facilitate this request with the consultant.

18. Status Report on the Energy Regulators' Forum (ERF)

EWG members noted the Chair's comments about the status of the Energy Regulators' Forum.

Action Arising/Next Steps

- Nil.

19. Date for Next Energy Working Group Meeting

Members welcomed and noted the generous offer by Chinese Taipei to host EWG24 and associated meetings.

Action Arising/Next Steps

- The EWG Secretariat will inform members of the details of arrangements for EWG24 and associated meetings when they become available.

20. Other Business

The EGEE&C chair made a presentation on the future prospects of APEC Energy Standards Information System (ESIS), the result of the APEC project EWG 01/2001T Energy Standards Information Development. EWG delegates agreed that the ESIS web site & information system is of great value to APEC economies, and they endorsed the request for continuation of the project through the end of 2003. The United States supported the endorsement with an offer of a contribution of US\$5,000. Some economies while not able to pledge funding for this proposal, also expressed strong support and a desire for continuation of the project. Chinese Taipei expressed great interest in the APEC ESIS information system and pledged, in the context of the newly proposed APEC Energy Standards and Labeling Co-operation Initiative, to provide the balance of the project funding through the end of 2003. EWG encouraged the EGEE&C and the project consultant to continue soliciting funding from APEC in order to expand and strengthen the APEC ESIS information system.

Action Arising/Next Steps

- The EGEE&C and the project consultant to continue soliciting funding from APEC economies in order to expand and strengthen the APEC ESIS information system.

21. Document Access

Members agreed that the Summary Record and other final documents from this meeting could be released to the public immediately after the meeting.

Action Arising/Next Steps

- Members to provide the EWG Secretariat with electronic copies of all documents tabled at the meeting to enable the EWG Secretariat to place all documentation on the EWG website.

22. Summary Record of the Twenty-Third Meeting

The Summary Record of the meeting was agreed.

Action Arising/Next Steps

- Nil

Concluding Remarks

Members recorded their thanks to Dr Piyasvasti Amranand, Secretary General of the National Energy Policy Council, Thailand, for attending the meeting and the Co-Chairs for leading the members through a substantial agenda. Members also recorded their appreciation to the host economy for the excellent meeting facilities and hospitality they enjoyed in Thailand.



Energy Working Group

Twenty-Third Meeting, Bangkok, Thailand, 15-16 May 2002

Attachment A

LIST OF PARTICIPANTS

Chair/Co-Chair

Mr Tim Mackey	Department of Industry, Tourism & Resources, Australia
Dr Piyasvasti Amranand	Secretary General, National Energy Policy Council, Thailand

Australia

Ms Vicki Brown	Department of Industry, Tourism & Resources
Ms Karen Schneider	Australian Bureau of Agricultural & Resource Economics
Mr Vivek Tulpule	Australian Bureau of Agricultural & Resource Economics

Brunei Darussalam

Mr HJ Shawal Yaman	Department of Electrical Services, Ministry of Development
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Canada

Mr Claude Gauvin	Department of Natural Resources
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Chile

Mr Carlos Pina	National Energy Commission
Mr Tomas Astorga	Ministry of Mining
Mr Sebastian Schneider	Embassy of Chile in Thailand

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Ms Gu Jun	State Development Planning Commission
Mr Wang Yi Hui	State Development Planning Commission

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