



Summary Record of the 24th Energy Working Group Meeting

The twenty-fourth meeting of the APEC Energy Working Group (EWG) was held in Taipei, Chinese Taipei, on 9-10 October 2002. Chinese Taipei and Australia co-chaired the meeting.

Delegates from Australia; Chile; the Peoples' Republic of China; Hong Kong, China; Japan; Republic of Korea; Mexico; the Philippines; Singapore; Chinese Taipei and the United States of America participated in the meeting. Representatives from the EWG and APEC Secretariats also attended. The Asia Pacific Energy Research Centre (APERC), the EWG Energy Business Network (EBN), and the Expert Groups on Energy Data and Analysis (EGEDA), Minerals & Energy Exploration and Development (GEMEED), Clean Fossil Energy (EGCFE), New and Renewable Energy Technologies (EGNRET), and Energy Efficiency and Conservation (EGEE&C) were also represented at the meeting.

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

1. Opening address by the Vice-Minister, Chinese Taipei, and the Adoption of the Agenda.

Dr Yen-Shiang Shih, Vice-Minister of the Ministry of Economic Affairs, Chinese Taipei, made an opening address to EWG Members, welcoming them to EWG24 and to Chinese Taipei. In his address, the Vice-Minister emphasised the importance of energy to Chinese Taipei and the APEC region, with the EWG representing an excellent opportunity for APEC economies to share experiences and promote cooperation. The Vice-Minister closed by wishing the Co-Chairs and Members every success for EWG24.

Mr John Ryan, Lead Shepherd of the EWG and Co-Chair, thanked the Vice-Minister on behalf of all delegates attending EWG24, for his address and for the excellent meeting facilities provided by Chinese Taipei. Mr Ryan also welcomed the Co-Chair, Dr Liang-Jyi Fang, Secretary General, Energy Commission, Chinese Taipei, and outlined the business for the meeting.

EWG Members welcomed Mr John Ryan as the new Australian EWG Lead Shepherd and expressed their deep appreciation to the outgoing Lead Shepherd, Mr Tim Mackey, whom they acknowledged had provided tremendous leadership and support to the EWG over a number of years.

The agenda for the meeting was [adopted](#).

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

The Chair of the EWG Business Network, Ms Lic. Angélica Fuentes Téllez, presented the *Summary of Decisions Taken* from the eighth meeting of the EBN (EBN8), which was held in Acapulco, Guerrero, Mexico, on 20 July 2002.

In her report, Ms Fuentes highlighted that EBN8 was well attended, with several new members attending for the first time. She reported that EBN8 helped prepare for the successful Ministerial–Private Sector dialogue at the 5th APEC Energy Ministers' Meeting (EMM5), and that it also discussed APEC member economy developments, the successful IFAT visit to the Philippines, ways to improve the implementation of regulatory frameworks, efforts to increase attendance at EBN meetings, and preparations for EBN9 discussions regarding the contribution of the APEC business community to sustainable development.

Ms Fuentes closed her presentation by recognising the outstanding contribution of the outgoing EBN Chair, Ms Rosario B. Venturina from the Philippines, and welcomed Australia to the role of Vice-Chair and Canada as Vice-Chair delegate, which is to be confirmed at EBN10.

EWG Members welcomed Ms Fuentes to her new role as EBN Chair and acknowledged her efforts in preparing for EMM5. Members also thanked Ms Venturina for her contribution to, and leadership of, the EBN.

Members noted the report provided by Ms Fuentes, and congratulated the EBN for their valuable contribution to EMM5, in particular, through the Ministerial-Private Sector Dialogue. Members agreed that private sector engagement is essential to EWG activities and asked that the EBN consider ways to further this, for example, through holding EBN meetings back-to-back with EWG meetings, and participating in EWG meetings.

Action Arising/Next Steps

- EWG Secretariat to advise of the host, location and date of EBN9.
- EBN to discuss, at EBN9, the proposal to hold future EBN meetings back-to-back with EWG meetings.
- EBN Members be invited to participate in future EWG meetings.

3. Proposals Arising from the Eighth Meeting of the Energy Working Group Business Network (EBN8)

3.1 Implementation of Regulatory Frameworks

EWG Members noted that the EBN will examine the current approach to the implementation of regulatory frameworks, including exploring ways to better

address specific project requirements and to bring regulatory approaches of member economies closer together.

Members emphasised the importance of regulatory frameworks and sought more information regarding the New Zealand proposal, which is to be reported to EBN9.

3.2 Economy Attendance at EBN Meetings

EWG Members noted the EBN's recognition of EWG Secretariat efforts to encourage a greater level of participation in EBN meetings.

A Member pointed out that, where a member economy's energy industries are Government-owned, they should be invited to send representatives of those industries to participate in EBN meetings.

3.3 Role of APEC Business Community in Sustainable Development

EWG Members noted that the EBN will be discussing the APEC business community's role in sustainable development at EBN9, and that the EBN will be circulating ideas for how this will be addressed out-of-session. Members also noted that the issue was discussed at EMM5 and referred to in the resulting Declaration.

Members reaffirmed the importance of private sector engagement with the EWG and agreed that Expert Groups are an important mechanism to facilitate this. Members also asked the APEC Secretariat to provide information on how other APEC fora engage the private sector in their activities.

Action Arising/Next Steps

- EBN Chair to provide, out-of-session, the EWG Secretariat with more information on the New Zealand proposal to enhance the implementation of regulatory frameworks, for dissemination to Members.
- Expert Group Chairs and the EBN to examine opportunities for enhancing interaction on relevant activities.
- APEC Secretariat to advise the EWG Secretariat on examples where other APEC fora have engaged the private sector, for dissemination to Members.

4. APEC and EWG Secretariat Reports

Mr Tong Xianguo, Director (Program) APEC Secretariat, and Mr Aidan Storer, EWG Secretariat, presented their respective Reports to EWG Members.

Mr Tong reported on the outcomes of SOM II and III, APEC Sectoral Meetings for 2002, activities within APEC fora, the IAP Peer Review, Implementation of the

Leaders' Counter-terrorism Statement (which includes the APEC Energy Security Initiative), the July BMC meeting, and APEC-funded EWG projects for 2003.

Mr Storer emphasised the importance of effective and timely communication with EWG Members, including having up-to-date contact information and requesting that Members e-mail copies of papers tabled at EWG24.

Members noted the Secretariat Reports. Members congratulated Australia for their efforts as EWG Secretariat and the support that they have provided to the EWG over a number of years. It was also pointed out that Australia was uniquely positioned to undertake this function effectively, and Members expressed a desire that they continue in this role. Members also recognised the efforts of the previous Lead Shepherd, Mr Tim Mackey, and asked that the Chair send him their best wishes.

Action Arising/Next Steps

- EWG Members to promptly advise the EWG Secretariat of any amendments and updates to the EWG Contacts List and EWG Calendar of Events.
- Members to e-mail the EWG Secretariat electronic copies of papers tabled at EWG24, by 25 October 2002.

5. New Initiatives Following the 5th APEC Energy Ministers' Meeting

EWG Members noted and discussed several new initiatives endorsed by Energy Ministers'

Cross-border interconnection of gas pipelines

Members agreed that the cross-border interconnection of gas pipelines is an important issue for member economies and should form part of the ongoing work program. Members also agreed that interconnection within subregions is of relevance to the EWG, that private sector participation will be important to efforts addressing this issue and that there are lessons to be learnt from the EWG power grid interconnection project.

Energy infrastructure

Members agreed that it is important that the EWG work closely with financial institutions and, although there are examples of where this is occurring, the EWG should explore how this can be improved. It was highlighted at the Expert Group Chairs' Meeting that Expert Groups are already engaging financial institutions in some activities and the EWG Secretariat has been directed to communicate these examples to Members. Members also agreed that to meet investment needs within the region, engagement should be pursued with both private and multilateral financial institutions.

Energy Education

Members agreed that the energy literacy initiative proposed by Japan had support within EWG and that Japan would work with its EWG Member partners to move this initiative forward.

Action Arising/Next Step

- EWG Secretariat to work with Expert Group Chairs to identify where financial institutions are engaged in Expert Group activities and communicate this to EWG Members.
- Japan to work with EWG partners to progress the energy literacy initiative and report to EWG Members at EWG25.

6. Case Study for Sustainable Development

EWG Members noted the outcomes arising from the presentation of the case study, *Energy for Sustainable Development: The Contribution and Role of the APEC Energy Working Group*, at the World Summit on Sustainable Development in Johannesburg.

Members noted that the Case Study generated considerable interest at WSSD, where it was recommended that the EWG highlight the positive human impacts and practical advantages that will result from its implementation.

Members agreed that a report on the progress of implementation of the Initiative would be a standing item on the EWG agenda until next reported to APEC Energy Ministers.

Action Arising/Next Step

- EWG Secretariat to prepare a brief report on progress in implementing the Initiative for EWG25 and for subsequent EWG meetings until the 6th APEC Energy Ministers' Meeting.

7. Implementation of Energy Security Initiative

EWG Members noted the progress of the Energy Security Initiative's implementation, in particular the recommendations endorsed at EMM5, and the paper prepared by the EWG Secretariat outlining how these recommendations can be implemented.

Members agreed that energy security is a major issue for APEC member economies and that the Initiative is one of the most important EWG activities. Members noted that considerable efforts will need to be made to implement the Initiative, and agreed that a flexible approach should be undertaken to ensure that APEC member economies address their specific energy security needs.

Members then discussed each recommendation in turn.

Monthly Oil Data Initiative

Members noted the progress of data collection under the Initiative and the concerns raised by EGEDA regarding the timeliness and quality of data submitted. Members noted that the Initiative has moved to permanent operation and agreed to encourage their respective economies to support.

Sea-lane Security

Members noted that the EWG Lead Shepherd has written to other APEC fora and the International Maritime Organisation on the Initiative, and that the EWG Secretariat will report on their responses to Members at EWG25. APERC reported that the APEC Transport Working Group will be conducting a conference on Sea-lane security in January 2003, in Singapore.

Real-time Emergency Information Sharing

Members expressed some uncertainty regarding the nature of this Initiative and sought clarification on a number of issues. The Chair requested that Japan lead a sub-group (with the Republic of Korea and the Philippines) to develop a proposal, with the assistance of APERC, for presentation at EWG25 for Member consideration.

Oil Supply Emergency Response

Member agreed that, in conjunction with EWG25, a half-day workshop be held on oil supply emergency response arrangements, to enable Members to share information on possible preparedness measures.

Impediments to energy exploration and development

Members considered that this is an important issue and requires interaction with the private sector. Members agreed that this will be the topic for the policy dialogue at EWG25, with EBN Members to be invited to participate in this discussion.

Long-term responses

Members also noted that Expert Groups are undertaking a range of activities to implement long-term recommendations under the Initiative.

Nuclear energy

The Republic of Korea presented a proposal on capacity building within the field of nuclear energy technology. Members agreed that, although nuclear energy was considered an important energy source by some member economies, it was not part of the APEC Energy Security Initiative and as such, was to be addressed by the EWG as a separate issue.

Members agreed that the Republic of Korea would work with Mexico and other Members to develop a framework regarding the discussion of nuclear energy within the EWG, to be presented for Member consideration at EWG25.

Action Arising/Next Step

- EWG Members to encourage their economies to support the Monthly Oil Data Initiative and EGEDA to report, at EWG25, on the progress of the Initiative, including any issues regarding data compliance.
- EWG Lead Shepherd to circulate to EWG Members, out-of-session, a copy of the letters sent to other fora regarding sea-lane security and the EWG Secretariat to report on their responses at EWG25.

- Japan, the Republic of Korea and the Philippines to develop, with the assistance of APERC, a proposal regarding real-time emergency information sharing, for presentation at EWG25 for Member consideration
- EWG Secretariat to assist the host of EWG25 arrange a half-day workshop on oil supply emergency response arrangements, in conjunction with EWG25. The EWG Secretariat to inform EWG Members as soon as details are finalised.
- EWG Secretariat to arrange for *Impediments to energy exploration and development* to be the topic for policy dialogue at EWG25 and invite EBN Member participation in this discussion.
- The Republic of Korea and Mexico, with the assistance of other Members, prepare a framework regarding the discussion of nuclear energy within the EWG, for Member consideration at EWG25.

8. Progress Report on Energy Standards and Labelling Cooperation Initiative

EWG Members noted the progress of the Energy Standards Information project provided by New Zealand.

Chinese Taipei reported that the *Energy Standards and Labelling Cooperation Initiative* was endorsed at EMM5 as 'a timely and effective policy instrument' on enhancing the trade of energy-efficient products and facilitating harmonization of energy performance test methods, standards and labels. A draft work program for the *Initiative* was reported by the EGEE&C Chair for comments from Members. The draft work program comprises a three-year implementation plan and EGEE&C will conduct this work and report on its progress to EWG for review and approval, where necessary. Chinese Taipei advised that funding for this work program will be sought pursuant to relevant APEC guidelines, that EWG comments will be incorporated into the work program, and that the draft work program will be finalised at the upcoming EGEE&C meeting and be reported to Members at EWG25.

Chinese Taipei also proposed, pursuant to the decision of Members at EWG23, a self-funded project for 2003, *Energy Standards & Labelling Information Network*. The proposal was to provide necessary funding for the maintenance & update of the existing APEC Energy Standards Information System, and the operation of the Standard Notification Procedure.

Members noted the presentation by Chinese Taipei and expressed their support for the Initiative and draft work program. Members endorsed the self-funded project proposal and noted that funding for the maintenance of the website is an issue that will need to be addressed.

Action Arising/Next Step

- Nil.

9. Pledge and Review

EWG Members noted the contributions to the voluntary Pledge and Review Program, and the Annual Reports submitted by Australia; Hong Kong China; Mexico; and the Philippines for the "Third Report of the Energy Working Group on the Pledge and Review Program" prepared by the EWG Secretariat

Contributions from Chile, the Republic of Korea, Singapore and Chinese Taipei were tabled at the meeting and the EWG Secretariat asked that these economies promptly e-mail their contributions for inclusion in the Third Report.

Members that had not yet submitted Pledge and Review contributions were encouraged to do so as soon as possible.

Action Arising/Next Steps

- EWG Members who tabled Pledge and Review contributions at EWG24 to e-mail copies to the EWG Secretariat by 25 October 2002, for circulation to Members.
- Members who have not submitted Pledges or reports on their pledges are encouraged to provide this information to the EWG Secretariat as soon as possible, for circulation to Members.

10. Policy Dialogue: *EWG Members only - No Observers or Guest Participants*

EWG Members held a policy dialogue on the topic *Addressing the barriers to interconnection of power grids and gas pipelines in APEC economies*. As previously agreed, no records of discussion were taken under this item.

Members agreed that the policy dialogue topic for EWG25 would be *Impediments to energy exploration and development*, and that EBN representatives would be invited to participate in this dialogue.

Action Arising/Next Steps

- Nil.

11. Report from the APERC Workshop and APERC Chair

Mr Tatsuo Masuda, APERC President, reported on the APERC Workshop held on 8 October, highlighting the benefit of holding it back-to-back with EWG24 and suggesting that this arrangement continue in the future. Mr Masuda also reported that the annual APERC Workshop will be held on 26-27 February 2003 in Tokyo, inviting EWG Members to attend.

EWG Members expressed their deep appreciation for Mr Masuda's leadership of APERC and his role in ensuring that APERC's research activities are of high quality and of value to Members.

Members noted that APERC is proceeding with the implementation of APERC Review recommendations and agreed that the APERC workshop was an important step forward, with all Members encouraged to attend future workshops.

Members noted that budgetary constraints are an issue for APERC. Members expressed their strong support for the valuable work undertaken by APERC and agreed to assist efforts to ensure that APERC recruits high quality researchers and continues to carry out its functions effectively.

Members agreed that the draft APERC Terms of Reference were an important step forward but requested further clarification on some issues prior to their endorsement. The Chair directed the EWG Secretariat to work with Members to address this issue.

Action Arising/Next Steps

- EWG Members to advise the EWG Secretariat of issues regarding the draft APERC Terms of Reference by 19 October 2002.
- EWG Secretariat to work with Members to address these issues and seek Member endorsement of the draft Terms of Reference by 5 November 2002.
- Secretariat to advise Members and APERC on endorsed Terms of Reference by 5 November 2002.

12. Consolidated Report on Progress on the Implementation Strategy for Leaders

EWG Members endorsed the Report.

Action Arising/Next Steps

- EWG Secretariat to forward the Report to APEC Leaders.

13. EWG Operational Plan for 2003

The Draft EWG Operational Plan for 2003 was presented at the meeting. EWG Members noted that the Draft Plan follows a similar format to the 2002 Plan, taking its framework from the *Future Directions Strategic Plan* endorsed in June 2001.

Following minor amendments, Members endorsed the Plan and the Chair directed the EWG Secretariat to place a copy of the Plan on the EWG website.

Action Arising/Next Steps

- EWG Secretariat to place a copy of the endorsed 2002 Operational Plan on the EWG website.

14. Statements on Notable Energy Developments since EWG23

The Chair thanked Australia; Hong Kong, China; Mexico; New Zealand; and the Philippines for providing their Statements on Notable Energy Developments prior to EWG24. At the meeting, Statements were tabled from Chile, the Republic of Korea, Singapore, Chinese Taipei and the United States. EWG Members who tabled their Statements at the meeting were encouraged to provide an electronic copy to the EWG Secretariat by 25 October 2002, for circulation to Members.

EWG Members noted the issues raised in Statements.

Action Arising/Next Steps

- EWG Members who tabled their Statement on Notable Energy Developments are encouraged to provide an electronic version to the EWG Secretariat by 25 October 2002, for circulation to Members.

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

The EWG Secretariat presented a Report to EWG Members on the outcome of the meeting of the EWG Expert Groups' Chairs, held in Chinese Taipei on 8 October.

EWG Members noted the Report and the Progress Reports prepared by each Expert Group.

EGNRET proposed to Members that participation in the *APEC Clean Energy/Village Power Private Sector Forum*, planned for September 2003 in Baltimore, USA, be extended to involve the private sector and that all Asian economies be invited to participate. It was also proposed that the project be linked to related activities arising from the World Summit on Sustainable Development (WSSD) in Johannesburg.

Members agreed to the proposal that non-APEC members and the private sector be invited to participate in this Forum. Members also agreed to the proposal to link the Forum to other relevant WSSD activities, but requested that it be conducted under the WSSD Type 2 Partnership Initiative submission, *Energy for Sustainable Development: The Contribution and Role of the APEC Energy Working Group*.

Action Arising/Next Steps

- Nil.

16. Other Key EWG Initiatives for noting by EWG Members

16.1 Earthquake Response Cooperation Initiative

EWG Members noted the Progress Report provided by Chinese Taipei, and in particular the information resources available through the Initiative's website.

Members expressed their strong support for the Initiative.

Action Arising/Next Steps

- Nil.

16.2 21st Century Renewable Energy Development Initiative

EWG Members noted the Progress Report provided by the EGNRET Chair, and the various activities that are being undertaken under the Initiative. Members also noted recent changes regarding personnel and lead economies.

The Republic of Korea reported that the 2002 Exhibition on New and Renewable Energy Technology will be held in Seoul on 7-9 November 2002.

APEREC highlighted the need for data on new and renewable energy and encouraged Members to support APEREC with future efforts in this area.

Action Arising/Next Steps

- Nil.

16.3 E-Commerce in Energy Initiative

EWG Members noted the Progress Report provided by the Republic of Korea, including that the Workshop planned for 7 October had been cancelled due to a range of constraints. The Republic of Korea also advised that further activities under this initiative will be postponed at this time.

Members acknowledged the issues raised by the Republic of Korea and thanked them for their valuable work in this area to date.

Action Arising/Next Steps

- Nil.

16.4 Environmentally Sound Energy Infrastructure Initiative, Phase 2

EWG Members noted the Progress Report provided by Mr Da Cunha, on behalf of Canada. Mr Da Cunha described a range of issues being examined under the Initiative and advised Members on when Phase 2 will be completed.

Members provided feedback to Mr Da Cunha on the Initiative and suggested possible areas for further examination.

Action Arising/Next Steps

- Nil.

16.5 Measuring the Impact of Regulatory Reform in the APEC Energy Sector

EWG Members noted the Progress Report provided by Australia and key issues arising from the project report.

Action Arising/Next Steps

- Nil.

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

EWG Members noted the Progress Report provided by Australia, including that the Workshop has recently been moved to 12-13 December 2002, to accommodate high-level participation from the Philippines Government.

Action Arising/Next Steps

- Nil.

16.7 Harmonising Economic and Environmental Objectives of Energy Policy, Phase 1

EWG Members noted the Progress Report provided by Australia. The project overseer invited Members to provide any comments regarding possible areas of further research to the EWG Secretariat out-of-session.

Action Arising/Next Steps

- EWG Members to provide, out-of-session, ideas regards possible further research areas to the EWG Secretariat.

16.8 Addressing the Barriers to the Interconnection of Power Grids in APEC Member Economies

EWG Members noted the Progress Report provided by the Australian delegate, including the request by APEC Energy Ministers that the project be expanded to address gas pipelines. The project overseer highlighted that Members consider cross-border interconnection to be an issues of enormous importance to the region and that further work will need to be undertaken in this area.

Members noted that cross-border issues for both electricity and gas would comprise part of EWG's ongoing work program.

Action Arising/Next Steps

- Nil.

17. Other Business

Chile outlined a proposal to host an APEC Mining Ministerial in Chile in 2004, and sought the support of EWG Members and, if endorsed at the Joint Ministerial Meeting in Los Cabos in October 2002, for the EWG Secretariat to provide support to GEMEED in preparing for this Meeting. Chile emphasised that the Ministerial will be of relevance to the EWG as a strong focus will be on the link between mining and energy. Members expressed their support for the proposal.

Japan reported on the 8th International Energy Forum (IEF) held in Osaka on 21-23 September 2002, highlighting issues of particular relevance to the EWG, and thanked EWG Members for their contribution. Mexico advised that they will be seeking the Secretary General position of the newly proposed IEF Secretariat. Members noted the report and agreed that the EWG would benefit from having representation on the Executive Board for the IEF Secretariat and requested that the EWG Secretariat investigate the feasibility of this proposal. Mexico proposed wording be included in the APEC Leaders' Statement highlighting the importance of the IEF. The Chair invited Mexico to circulate the proposed wording to Members for comment.

Australia reported that Mr Bob Alderson, a former Australian delegate to EWG, has recently retired and wished to convey his thanks to Members for the opportunity to work with them over a number of years. Members acknowledged Mr Alderson's valuable contribution to the EWG and wished him well in his retirement.

The Republic of Korea outlined their proposal to conduct a workshop on joint stockpiling in conjunction with EWG26. Members welcomed the proposal and advised that Members recognise this issue as one of a number of options for APEC member economies to consider.

Action Arising/Next Steps

- EWG Secretariat to explore the feasibility of the proposal for EWG to be represented on the Executive Board for the IEF Secretariat and report to EWG Members out-of-session.
- Mexico to circulate to EWG Members, out-of-session, proposed wording to be included in the APEC Leaders' Statement highlighting the importance of the IEF.

18. Date for Next Energy Working Group Meeting

EWG Members welcomed and noted the generous offer by Viet Nam to host EWG25 and associated meetings. Members were advised that an IEA Ministerial Board Meeting will be held on 28-29 April 2003.

Members also noted the kind offer by Korea to host EWG26 in the second half of 2003.

The People's Republic of China expressed interest in hosting EWG27. Members thanked the People's Republic of China for their gesture.

Members recognised that a date and host will need to be identified for the 6th APEC Energy Ministers' Meeting and agreed to consider this issue out-of-session

Action Arising/Next Steps

- EWG Secretariat to assist Viet Nam with arrangements for EWG25 and associated meetings, and to inform EWG Members of details as soon as they become available.

19. Document Access

EWG 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

- EWG 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.

20. Summary Record of the Twenty-Fourth Meeting

The Summary Record of the Meeting was agreed.

Action Arising/Next Steps

- Nil.

Concluding Remarks

EWG Members recorded their thanks to Dr Liang-Jyi Fang, Secretary General, Energy Commission, Chinese Taipei, for hosting the meeting and the Co-Chairs for leading the Members through a substantial agenda.

EWG Members also recorded their thanks to Mr John Ryan of Australia, for having successfully led the discussions as Co-chair and their appreciation to the host economy for the excellent meeting facilities and hospitality they enjoyed in Chinese Taipei.



Energy Working Group

Twenty-Fourth Meeting, Taipei, Chinese Taipei, 9-10 October 2002

Attachment A

LIST OF PARTICIPANTS

Opening address

Yen-Shiang Shih
Vice-Minister, Ministry of Economic Affairs,
Chinese Taipei

Chair/Co-Chair

John Ryan
Department of Industry, Tourism & Resources,
Australia
Liang-Jyi Fang
Energy Commission, MOEA, Chinese Taipei

Australia

Vicki Brown
Department of Industry, Tourism & Resources

Canada

Ivor da Cunha
Kinetrics International Inc.

Chile

Carlos Pina
National Energy Commission

People's Republic of China

Yihui Wang
Department of Basic Industries, State Development
and Planning
Lei Yang
Department of Basic Industries, State Development
and Planning

Hong Kong, China

Chun-Kau Lee
Kin-Man Leung
Welman Leung
Electrical and Mechanical Services Department
Electrical and Mechanical Services Department
Electrical and Mechanical Services Department

Japan

Yasuo Tanabe
Masahiro Nagai
Hiroya Yamauchi
Agency of Natural Resources and Energy, METI
Agency of Natural Resources and Energy, METI
Ministry of Foreign Affairs

Republic of Korea

Kyo Hyoung Han
Jae Kyu Lim
Seong-Deuk Jo
Ick-Joong Kim
Dae-Gyun Oh

Ministry of Commerce, Industry and Energy
Korea Energy Economics Institute
Nuclear Power Education Institute
Korea National Oil Corporation
Korea Energy Management Corporation

Mexico

Mario Rodriguez

Ministry of Energy

Philippines

Jose Victor Emanuel A De Dios
Lilian C Fernandez

Department of Energy
Department of Energy

Singapore

Jeanette Lim

Energy Market Authority

Chinese Taipei

Yunn-Ming Wang
Shih-Ming Chuang
Calvin Ho

Energy Commission, MOEA
Energy Commission, MOEA
Department of International Organizations,
MOFA

Juen-Shen Wei
Daniel K C Chen

Energy Commission, MOEA
Department of International Organizations,
MOFA

Jyuung-Shiauu Chern
Shin-Sen Chu
Jhy-Ming Lu

Energy Commission, MOEA
Industrial Technology Research Institute
Industrial Technology Research Institute

United States of America

George W Zeigler
David Young

Department of Energy
Department of State

EWG Secretariat

Aidan Storer

Department of Industry, Tourism & Resources,

APEC Secretariat

Tong Xianguo

Director (Program)

Expert Group Chairs

Tomas Astorga

Chair, GEMEED – Ministry of Mining, Chile

Kenichi Matsui	Chair, EGEDA – Institute of Energy Economics, Japan
Fanghei Tsau	Chair, EGEE&C – Industrial Technology Research Institute, Chinese Taipei
Andre Van Rest	Chair, EGNRET – Department of Energy, USA
Scott M Smouse	Chair, EGCFE – Department of Energy, USA

Asia Pacific Energy Research Centre (APERC)

Tatsuo Masuda	President, APERC
Naoko Doi	
Shiro Konishi	
Marin Bonou	
Gary Eng	
Yonghun Jung	

Energy Working Group Business Network (EBN) Chair

Angélica Fuentes
Leticia Ruiz