

Chairs update

Cary Bloyd
EGNRET-33
Chinese Taipei
October 5-6, 2009



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PNNL's Mission & Business Facts

Mission: Perform basic and applied research in support of energy, environmental, and national security for our nation.



▶ **~\$900 million
business volume**

▶ **~4,300 staff**




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PNNL is Operated for DOE by Battelle



- ▶ Founded in 1925 as a charitable trust through the Will of Gordon Battelle
- ▶ Ohio industrialist; believed research could make American industry more competitive



*Battelle headquarters
Columbus, OH*

- **Core Purpose**

**Translate scientific
discovery into
innovative
applications**



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Battelle and PNNL



Battelle Corporate Headquarters
Columbus, Ohio



Pacific Northwest National
Laboratory
Richland, Washington



Brookhaven National Laboratory
Long Island, New York



Oak Ridge National Laboratory
Oak Ridge, Tennessee



National Renewable Energy
Laboratory
Golden, Colorado



Battelle Europe
Geneva, Switzerland



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APEC meetings since EGNRET 32 and announced future meeting

- ▶ APEC Biofuels Task Force Update
- ▶ EWG37 was held April 20-24, 2009 in Santiago, Chile
- ▶ EWG38 will be held November 16-20, 2009 in Bali, Indonesia
- ▶ EWG39 will be held in March 2010 in Japan
- ▶ EMM9 will be held in June 2010 in Japan

APEC Biofuels Task Force Update

- ▶ The 5th APEC Biofuels Task Force meeting was held October 7-9, 2008 in Golden, Colorado, USA at the National Renewable Energy Laboratory
- ▶ The meeting was attended by 8 APEC economies and Brazil
- ▶ The meeting included a one day workshop on resource assessment
- ▶ Past meeting minutes and other material is available from the BTF website: www.biofuels.apec.org
- ▶ For additional information on BTF activities contact Jeff Skeer at US DOE (Jeff.Skeer@hq.doe.gov)



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Biofuels Task Force Current Projects

- ▶ Three reports are nearing completion:
 - Biofuel employment opportunities (USA)
 - Biofuel resource elasticity (USA)
 - Biofuel resource potential from marginal lands (USA)

Biofuels Task Force New Projects

- ▶ Resource potential of biofuels from algae (contract awarded to consortium of Sandia and CSIRO and awaiting signature)
- ▶ Sustainable biofuel development (three bids received, forming evaluation team - volunteers welcome!)
- ▶ Biofuel infrastructure strategies (three bids also received, forming evaluation team to rank - volunteers also welcome!)

EWG 37: April 20-24, 2009 in Santiago, Chile

- ▶ Expert Group Chairs meeting
- ▶ APERC Workshop
- ▶ APEC Energy Trade & Investment Action Plan Drafting Session
- ▶ APEC Energy Business Network (EBN) meeting
- ▶ Forum on Energy Efficiency in the Asia – Pacific Region: A Review of Public Policies and Perspectives from the Private Sector
- ▶ EWG 37 meeting

EWG 37 Activities

- ▶ The EWG endorsed the United States taking on the Lead Shepherd and Secretariat roles from Australia which had held them since 1990
- ▶ The Lead Shepherd is now Dr. Phyllis Yoshida
Deputy Assistant Secretary for International Cooperation
Office of Policy and International Affairs
United States Department of Energy
Email: Phyllis.Yoshida@hq.doe.gov
- ▶ The Secretariat contact is Karen Alozie
Email: Karen.Alozie@hq.doe.gov



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EWG Energy Security Initiative (ESI)

- ▶ The ESI reflects how EWG project activities meet APEC Leaders and Ministers priorities
- ▶ 11th ESI report was presented on long terms and short term measures and is available on the EWG website
- ▶ The ESI Factsheet will be updated to reflect PREE reports for New Zealand and Chile
- ▶ The ESI is organized into short-term and long-term measures

ESI Short-Term Measures

- ▶ Joint oil and data initiative (JODI)
 - Project is led by EGEDA
- ▶ Maritime Security
 - Being developed per Energy Ministers instructions
- ▶ Real-time emergency information sharing system (RTEIS)
 - Japan's status report is available on the EWG website
- ▶ Energy emergency response including oil stocks
 - Chile reported on its emergency response arrangements

ESI Long-Term Measures

▶ Energy investment

- 1st meeting of the APEC Energy Trade & Investment Task Force (ETITF) was held April 20, 2009
- The ETITF Action Plan will consider climate change policies and approaches to reducing GHGs, including carbon pricing
- Australia will lead the ETITF and report on its work plan at EWG38
- A Terms of Reference was developed, and is available to EWG members



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ESI Long-Term Measures (2)

- ▶ Natural gas trade (EGEDA)
- ▶ Energy Efficiency
- ▶ Renewable energy
 - Three completed project summaries were distributed
- ▶ Clean fossil energy (EGCFE)
- ▶ Alternative transport fuels
- ▶ Nuclear energy
- ▶ Hydrogen and fuel cells
- ▶ Methane hydrates
- ▶ Petroleum infrastructure and crude & refined products



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EWG 37 Activities

- ▶ The Lead Shepherd reported that the Energy Ministers have instructed the EWG to advance collaboration with other institutions
 - Progress is to be reported at EWG38
- ▶ The EWG Work Plan for 2007-2009 was presented and is available on the EWG website
- ▶ Japan proposed to establish an energy efficiency sub-fund under the APEC Support Fund at the level of US\$1 million/yr