



Asia-Pacific Partnership on Clean Development and Climate

e-Newsletter

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About the Asia-Pacific Partnership

The Asia-Pacific Partnership on Clean Development and Climate (APP), an innovative public-private partnership that brings together the governments and private sectors of Australia, Canada, China, India, Japan, Korea, and the United States, facilitates investment in clean technologies, goods, and services; accelerates the sharing of energy-efficient best practices; and identifies policy barriers to the diffusion of clean energy technologies. To accomplish its work, the APP created a Policy and Implementation Committee (PIC) and eight public-private Task Forces. The purpose of this newsletter is to share information and news about the Partnership's activities. For further information on the APP and its activities, please see our website at: www.asiapacificpartnership.org. We welcome feedback on this newsletter and suggestions for future articles at: APP_ASG@state.gov.

Vancouver PIC Meeting

The Sixth Policy and Implementation Committee (PIC) Meeting occurred 29-30 October 2008, in Vancouver, BC, Canada. In Vancouver, Task Forces gave status updates, stakeholders shared their views on overcoming barriers, and the PIC discussed technology transfer and leveraging multinational funding. The PIC endorsed four projects - one from the Buildings and Appliances Task Force which will also be a flagship project, and three Coal Mining Task Force projects. The next PIC meeting will be in Canberra, Australia, in May 2009.



The Sixth Policy and Implementation Committee Meeting of the APP Vancouver, BC, Canada, October 2008.

Aluminium Task Force

China Aluminium Forum

The Aluminium Task Force held its fifth meeting in Sanya, China, on 4 December 2008, in conjunction with the 2008 China Aluminium Forum. The Forum was hosted by the China Nonferrous Metals Industry Association (CNIA) and China National Nonferrous Metals Industry Group (CNNG). The China Aluminium Forum focused on the challenges that the Chinese aluminium industry is currently facing with discussion topics including the global financial crisis and Chinese financial policy, Chinese aluminium consumption and prospects for its future market, mid-long term prospects for Chinese alumina supply and its impact on global market, and the increased cost of bauxite and what it means to aluminium production.

For more information on the Aluminium Task Force please visit:

http://www.asiapacificpartnership.org/tf_aluminium.aspx.

Buildings and Appliances Task Force

Standby Power

The Buildings and Appliances Task Force has launched the APP International Standby Basket of Products Website, a deliverable of its project *Alignment of National Standby Power Approaches* (BATF-06-07). The aim of the website is to provide a consistent collection of data on standby power measurements. The data is being gathered for a common set of products in different regions and countries around the world. The benefit of such a high quality data set is to enable benchmarking, facilitate international comparisons and to provide a sound basis for policy development and analysis.

Standby power consumption, which is the power used by appliances when they are not performing their primary function, has been recognized as one of the most cost effective potential end-use energy efficiency measures. While the amount of standby power used varies markedly between countries, the global energy consumption from standby power has been estimated by the International Energy Agency (IEA) at between 200 TWh and 400 TWh per year.

The group of appliances tested by the Task Force is known as the “basket of products.” The “basket” is intended to be as representative as possible across most markets and is comprised of data on 13 core appliance and electronic products and a secondary grouping of another 29 products. The Partners’ efforts at sharing collected data will help to establish trends in standby power by product type over time so that the rate of improvement or deterioration can be quantified within and between markets as well as by product type and brand.

Global understanding of standby power is growing rapidly within governments and efficiency advocate circles; however, the level of information available currently varies substantially by country and no simple metric exists to compare data between even those countries that collect data. The APP International Basket of Products Website has been developed in response to this need, aiming to provide the framework for standby power data collection, trend monitoring and international comparisons, ensuring high quality data is available for policy formation both internationally and nationally.

The International Basket of Products Website and the report of outcomes of the first round of country in-store data are available through the APP website at http://www.asiapacificpartnership.org/batf_intern_standby_bopw.aspx.

To visit the APP Buildings and Appliances Task Force webpage, please go to:
http://www.asiapacificpartnership.org/tf_buildings_appliances.aspx.

Cement Task Force

Cement and Concrete Technology

The Second International Expert Workshops on Cement and Concrete Technology for Sustainable Development, jointly organized with the APP Centre of Excellence of the Cement Task Force, was held 7-13 October 2008 in Beijing, Shenyang, and Jinan, China. The theme of the workshops was “Safety Durability, and Sustainability,” and they addressed key issues in the cement and concrete sectors. The workshops included international experts from China, Australia, Canada, Japan, the United States, and Norway who presented on recent progress in cement and concrete technology for

sustainable development. Approximately 280 participants attended the workshops.

Topics discussed at the workshops included: reducing the cement industry’s impact on the climate; sustainability and global warming issues; cement and concrete technology; how normal weight and lightweight aggregate concrete contributes to sustainability; optimum concrete recycling in construction industries; and sustainable development in the concrete sector.



Participants of the Second International Expert Workshops on Cement and Concrete Technology for Sustainable Development in China.

For more information on the activities of the Cement Task Force, please visit:
http://www.asiapacificpartnership.org/tf_cement.aspx.

Cleaner Fossil Energy Task Force

Callide-A Oxy-fuel Demonstration Plant

A ceremony to mark the commencement of work at the Callide-A Oxy-fuel demonstration plant in Biloela, Queensland, Australia was held on 14 November 2008. This event marked a significant milestone for the *Callide-A Oxy-fuel Demonstration Project* (CFE-06-05), one of two Cleaner Fossil Energy Task Force Flagship Projects. The project, which involves the retrofitting of a 30MW coal fired boiler unit at the Callide-A power station in Australia to capture and store up to 17,000t of carbon dioxide (CO₂) per year, will be the world's first retrofit of oxy-fuel combustion technology. This project will make a major contribution to reducing the lead times associated with the commercial deployment of oxy-fuel technology.



Callide-A Demonstration Plant, Queensland, Australia.

Currently the world's coal-fired power stations produce 11.4 billion tons of CO₂ annually. The Callide-A Oxy-fuel Project uses ground-breaking technology that enables CO₂ to be captured and stored deep beneath the earth in a process known as geosequestration. The oxy-fuel process involves firing a conventional coal-fired power station boiler with oxygen and recycled exhaust gases instead of regular air. This produces a concentrated stream of CO₂ that facilitates its capture and storage.

Australian Minister for Resources and Energy Martin Ferguson noted in his remarks at the ceremony, "This is the first project of its type anywhere in the world and governments and industry across the globe are keenly awaiting its results."

Information is available on the Callide-A project via the APP website at:

http://www.asiapacificpartnership.org/tf_callide_a_oxy_fuel.aspx.

For more information on the Cleaner Fossil Task Force and its activities, please visit:

http://www.asiapacificpartnership.org/tf_fossil_energy.aspx.

Coal Mining Task Force

Coal Mining Technology Projects

The PIC has recently endorsed four new Coal Mining Task Force projects – three at the October 2008 Vancouver PIC meeting and one shortly after: *3-D Seismic Survey With Acoustic Borehole Imaging System* (CLM-08-19), which aims to lower the cost and increase the speed of compiling 3-D modeling data of the geological properties of sub-surface coal seams and overburden; *In-Seam Seismic Surveys for Underground Coal Mine Operations* (CLM-08-20), which seeks to enable more rapid production of underground mining by locating minor faults and other geological discontinuities; *Ventilation Air Methane Emissions: Mitigation and Utilization in the Indian Mining Scenario* (CLM-08-21), to create a database on coalbed ventilation air methane in India; and *Development of Technical Standards and Regulations for Land Reclamation in Coal Mining Areas in China* (CLM-08-22).



Underground coal mine, India. (Eastern Coal Fields.)

For more information on APP Coal Task Force projects, please visit:

http://www.asiapacificpartnership.org/tf_coal_mining.aspx.

Power Generation and Transmission Task Force

Energy Regulatory and Market Development

The first volume in a series of Information Reports to be issued by the Energy Regulatory and Market Development Forum has been recently completed by the Power Generation and Transmission Task Force.

The Information Report is comprised of data on energy market statistics, structures, institutions, regulatory arrangements and relevant climate change policies of APP countries. The objective of the Information Report is to develop an information resource on energy market issues relevant to the Forum's information sharing activities. The first volume includes contributions from Australia, Japan, Korea, and the United States.

The Energy Regulatory and Market Development Forum of the APP brings together key APP energy policy makers, representatives of regulatory bodies, industry leaders, regulatory research organizations, system operators and market operators to share information, expertise and experiences on energy regulatory and market development-related matters.

The Energy Regulatory and Market Development Forum Information Report is available through the APP website:
http://www.asiapacificpartnership.org/powergen_docs.aspx.

For more information on the Power Generation and Transmission Task Force, please visit:
http://www.asiapacificpartnership.org/tf_powergeneration_transmission.aspx.

[Renewable Energy and Distributed Generation Task Force](#)

Policy Inventory and Analysis

The Renewable Energy and Distributed Generation Task Force has reached a milestone in completing the first draft of a comprehensive policy inventory and analysis, examining financial barriers to the deployment of renewable energy technologies and grid interconnection of renewable technologies. The Policy Inventory and Analysis, initiated by Partners' industry representatives at the third Task Force meeting in San Diego in March 2007, is recognized as a compilation of a significant amount of valuable data on global renewable energy and distributed generation initiatives that are useful for policymakers in all APP countries.

The policy measures included in the inventory are market-making mechanisms, industry-supported mechanisms, capacity-building mechanisms, and research, development and demonstration mechanisms. The analysis phase studied whether policy measures

have met objectives; the number of systems installed, projects funded, and capacities deployed; investment leveraged and new industry created; the effect of measures on the industry; and challenges and gaps remaining, such as administrative issues and barriers not yet overcome.

A draft of the Policy Inventory and Analysis is available on the APP website at:
http://www.asiapacificpartnership.org/renewable_energy_docs.aspx.

For more information on the Renewable Energy and Distributed Generation Task Force, please visit:
http://www.asiapacificpartnership.org/tf_renewable_energy.aspx.

[Steel Task Force](#)

Sixth Steel Task Force Meeting

The Sixth Steel Task Force Meeting was held in Beijing, China, 26-27 November 2008. At the Task Force meeting, Partners reviewed the progress of projects, including *Performance Indicators Setting* (STF-06-03), in which APP Partners are working together to identify quantitative indicators related to energy efficiency and environmental improvements. At the meeting, Partners also discussed matters related to its project *Technology Deployment* (STF-06-06). In addition, Australia presented on its experiences with developing and implementing guidelines for technology deployment and understanding the barriers to technology diffusion.



Task Force members at the Sixth Steel Task Force Meeting in Beijing, China, November 2008.

For more information on the Steel Task Force, please visit:
<http://www.asiapacificpartnership.org/SteelTF.htm>.