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ASIA

Environmental Cooperation-Asia (ECO-Asia) Clean Development and Climate Program

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ECO-Asia CDCP is working scale up investment in clean energy priorities across Asia, including helping to increase access to financing for wind, solar, biomass, waste-to-energy, and energy efficiency projects.

ASIA'S ENERGY AND ENVIRONMENT CHALLENGE

Energy consumption in Asia's fastest-growing economies is expected to rise by over 200 percent over the next 30 years. While efforts are under way in developing Asian countries to produce energy from cleaner sources, trends indicate that a continued reliance on fossil fuels will result in carbon dioxide (CO₂) emissions increasing by 300 percent during the next 30 years—further accelerating global climate change. Fossil fuel combustion also contributes to local and regional air pollution in Asia where 18 of the world's 20 most polluted cities are located.

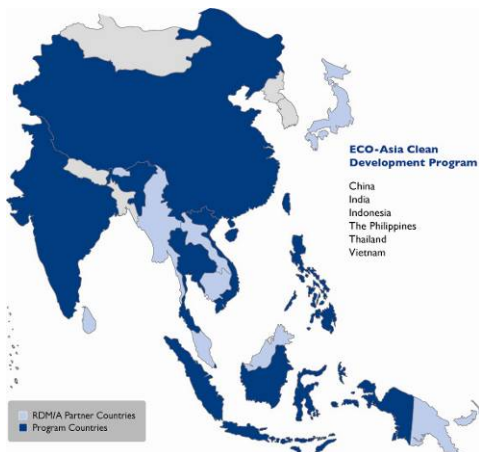
In 2007, the ECO-Asia Clean Development and Climate Program (CDCP) concluded a comprehensive regional study detailing the highest priority clean energy technologies and practices that can help immediately address Asia's energy challenges and contributions to climate change. Based on input from over 200 energy officials and experts across the region, the report, entitled *From Ideas to Action*, found that Asian countries could reduce their projected CO₂ emissions by 25 percent by the year 2030. To do so, they would need to put cost-effective measures in place to reduce energy use by consumers and increase the generation of clean energy.

ABOUT ECO-ASIA CDCP

The Program works to promote policy and finance solutions for clean energy in Asia's largest developing economies through targeted assistance, training, regional cooperation, and knowledge sharing. Since 2006, ECO-Asia CDCP has initiated programs with partners that are expected to prevent 5.2 million metric tons of CO₂ emissions from fossil fuel consumption—the equivalent of the annual CO₂ emissions from more than 9 million households.

REGIONAL INTEGRATION OF PROGRAMS

ECO-Asia CDCP takes a regional approach to solving problems—building partnerships, demonstrating solutions, and sharing information. Program activities are put into practice by a team of international and local experts who share in-depth knowledge of national and regional energy issues to maximize resources and program impacts. The Program works with governments and industry in the following areas:





David Boughtey, TCP, Inc.

ECO-Asia CDCP is working with the world's largest lighting companies to establish regional quality standards for energy-saving compact fluorescent lamps—the primary replacement for incandescent bulbs.

Saving energy through efficient lighting. While many Asian countries have worked to promote the use of energy-saving compact fluorescent lamps (CFLs) and other efficient lighting, research undertaken by ECO-Asia CDCP shows that a large share of the lamps sold in Asia fail to meet basic product quality and performance standards. Developing consumer confidence in the quality of energy efficient lighting, particularly CFLs, is a part of the program's strategy to address climate change. ECO-Asia CDCP is working with the major lighting companies and lighting associations in Asia to develop regional standards for CFL quality and performance.

Increasing access to financing for clean energy. ECO-Asia CDCP is working with governments, project developers, and financial institutions to stimulate increased investment in clean energy projects in Asia. Activities include supporting the design of effective clean energy funds and financing programs in China and India and developing networks in China and the 10-member Association of Southeast Asian Nations (ASEAN) that link clean energy project developers and entrepreneurs with sources of finance and investment.

Increasing power production and reducing coal use. Coal currently provides half of the energy in developing Asia and its use is expected to grow 400 percent by 2030. ECO-Asia CDCP is working with multi-lateral development banks, government, and private partners to improve power plant efficiency through the adoption of more effective practices. These practices help utilities produce more electricity with less coal—a strategy that reduces greenhouse gases, mercury, and other emissions that are harmful to the environment and contribute greatly to global warming.

Building regional cooperation and knowledge-sharing. ECO-Asia CDCP and the Asian Development Bank have jointly organized the Asia Clean Energy Forum since 2007 in what is widely seen as the premier event in Asia for practitioners to share effective practices, network, and present new research findings. ECO-Asia CDCP also hosts an innovative, user-generated website on clean energy solutions for Asia at www.cleanenergyasia.net.

PARTNERS

Regional partners. Asia-Pacific Partnership on Clean Development and Climate (APP), Asian Development Bank (ADB), Association of Southeast Asian Nations (ASEAN), Asia-Pacific Economic Cooperation (APEC), Private Financing Advisory Network (PFAN)

Implementing partners. International Resources Group (IRG), Academy for Educational Development, IRG Systems South Asia, Winrock International

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