

Barrier Removal to the Cost-Effective Development and Implementation of Energy Efficiency (BRESL)

 联合国开发计划署
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The Challenge

Electricity use in Asia is growing rapidly with growth rates over the period 1999-2004 ranging from 4.9%-12.3% annually. Straining electricity network and mounting pressure on electricity investment may prevent countries from other developmental goals. Placing energy conservation as the top priority of national policy, many Asian countries consider the potential of implementing energy-efficient standards and labeling (ES&L) program to effect the transformation of energy consuming appliances or equipment markets to the widespread utilization of energy-efficient appliances or equipment at a lower cost than providing new or alternative energy supply.

Having embarked developing and implementing ES&L program, yet most Asian countries have progressed slowly and unevenly in the region. There are some recognizable barriers to the ES&L program which impedes the regional endeavor to achieve environmental sustainability:

- Policy / regulatory
- Institutional
- Technical
- Information and awareness
- Market
- Financial

The Response

In order to address the above mentioned challenges and barriers, the 5-year BRESL project currently involving Bangladesh, China, Indonesia, Pakistan, Thailand and Vietnam is adopted with the expectation to achieve an average of 10% reduction in total residential and commercial energy use at the time of its peak impact by the year of 2030.

A series of programs would be launched under the BRESL project:

- Providing support for BRESL countries to develop legal and regulatory basis
- Strengthening institutions and developing capacities, including training, regional technical working groups, strengthening of testing and certification infrastructure, and improving data collection and reporting.
- Assisting manufacturers to better understand standards and labels to improve products and profits

- Promoting regional and national coordination and information sharing through a regional ES&L website
- Undertaking several national level pilot projects to raise consumer awareness about efficient products and increase sales

Achievements

The project is considered to be a sustainable initiative with global, regional and national benefits.

Globally, it is anticipated to reduce greenhouse gas (GHG) emission from the region and demonstrate successful ES&L program in BRESL countries which represents a wide range of situations and experiences. Regionally, ES&L efforts of regional coordination would be flourished and continued. Mutual recognition agreements and product certification and posting procedures also facilitate regional trade. Nationally, the BRESL countries can be benefited from significant economic returns by reducing their growth in electricity use; reducing energy bills for consumers and businesses for consumption; and improving products to increase their competitiveness in world markets

At A Glance

Project Start Time: 2008
Project End Time: 2013
Implementing Partner: National Development and Reform Commission (NDRC), China
Project ID: 00058669

UNDAF Goal: Outcome 3 – More efficient management of natural resources and development of environmentally-friendly behaviour to ensure environmental sustainability

MDG: Goal 1 - Eradication of Poverty; Goal 7: Ensure Environmental Sustainability; and Goal 8: Improve Trade Ties and Develop Global Partnership

CPAP: Outcome 6 –End-use energy efficiency and application of new and renewable energy technologies improved

Total Budget:	US\$ 35,880,900
GEF Fund:	US\$ 7,800,000
Government:	US\$ 24,020,900
In Kind Contributions:	US\$ 4,060,000

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