

China-U.S. Energy Efficiency Steering Committee Meeting
Energy Efficiency Lighting Team Report
June 25, 1999

Achievements Since the May 1997 Steering Committee Meeting

- Implementation of a \$1million grant from UNDP in support of the China Green Lights Program. The grant covered capability-building activities as well as many of the activities listed below.
- Development and implementation of national spot testing of six series of lighting products since 1997 in cooperation with the State Bureau of Technology Supervision (STSB).
- Development of voluntary specifications for quality CFL products and limited promotion of products meeting this standards.
- Implementation and evaluation of many municipal and provincial Green Lights promotion programs using a wide variety of approaches.
- National and local level publicity and promotion activities, raising awareness of opportunities for lighting energy savings.
- Loans to lighting equipment manufacturers for improvements to production capabilities.
- Hosted annual international Green Lights conferences to share information and experiences among Chinese lighting professionals, and including selected international practitioners.
- Initiated work to develop minimum efficiency standards for fluorescent lamp ballasts with technical assistance from the U.S.
- Chinese study tours to US, Japan and European countries.
- Completed a paper entitled "Lighting Energy Efficiency in China: Current Status, Future Directions."
- Identification of an opportunity to obtain a GEF grant for the China Green Lights Program.

Issues and Opportunities

- There is an urgent need for testing and labeling of lighting products in China. Until this is accomplished, it will be very difficult for efficient products to compete against low-cost lighting products of poor quality.
- Because the Chinese government is providing a high level of attention and support for its Green Lights program, the possibilities for future achievements in time are greatly enhanced. This project can play a key role in supporting the Chinese goal of increasing the stock of energy efficient lamps to 300 million in 2000 (from approximately 80 million in 1995).

Next Steps:

- There are four major activities planned:
 1. Begin an energy efficiency certification, labeling and promotion program;
 2. Develop a full proposal for a GEF grant to support the China Green Lights Program;
 3. Undertake a pilot bulk procurement program in China for quality CFLs; and
 4. Complete development of a new minimum efficiency standard for fluorescent ballasts.
- The GEF project would consist of additional efforts on:
 - Product energy efficiency certification, labeling, and promotion
 - Technology development efforts including work to upgrade key materials and components used in efficient lighting products.

- Bulk purchases to help develop the market for products that meet Chinese quality standards
 - Minimum efficiency standards for lamps and ballasts.
 - Lighting system design for new buildings: training and guidelines.
- This team should work with the Building Demonstration Team to recommend and select high-quality efficient lighting products for the pilot building

**Team leaders: Xie Ji, State Economic and Trade Commission;
Steve Nadel, American Council for an Energy Efficient Economy
(Mark Levine, LBNL, was the US representative at the meeting)**