

**China-U.S. Energy Efficiency Steering Committee Meeting**  
**Energy Efficiency Lighting Team Report**  
**August 27, 2001**

**Achievements Since the June 1999 Steering Committee Meeting**

- Developed Global Environment Fund project to continue and expand the China Green Lights program for four more years. Chinese and U.S. team members worked closely on developing this project, ushering it through the GEF system, leading to final approval of the project documents in June of 2001. The GEF grant is for \$8 million, with additional funds provided by the Chinese government and businesses. The project will start in the fall of this year.
- Initiated work to develop minimum efficiency standards for fluorescent lamp ballasts with technical assistance from LBL in the U.S. A new Chinese ballast efficiency standard has been finalized.
- Conducted a series of surveys and other activities to assess the accomplishments of the China Green Lights program to date. The accomplishments were published by the American Council for an Energy-Efficient Economy in late 1999.

**Issues and Opportunities**

- The quality of Chinese lighting equipment varies widely and it is difficult for quality efficient products to compete against low-cost products of poor quality. Addressing this issue is a significant focus in the GEF grant.
- The major opportunity is to implement the GEF grant. The overall goal is to reduce lighting energy use in China by 10% relative to a constant efficiency scenario. To accomplish this goal, the project has six objectives:
  1. Upgrade the quality of the Chinese lighting products
  2. Increase consumer awareness of, and comfort with efficient lighting products
  3. Make quality efficient lighting products more affordable
  4. Increase sales of efficient lighting products and services
  5. Establish a vibrant, self-sustaining market in efficient lighting products and services and associated supporting policies and services in order to sustain and expand upon the gains achieved during the project period.
  6. Regularly monitor, evaluate and refine project activities in pursuit of the above priorities
- There is also a need to address some issues that are not covered by the GEF grant. Additional issues for Sino-U.S. cooperation need to be identified such as, perhaps, coordination on standards and/or import/export/investment issues.

**Next Steps:**

- The major activities to be undertaken by the GEF project would address the following:
  1. Developing and adopting new lighting –related equipment and building standards
  2. Certification and labeling of high-quality, efficient products
  3. Market aggregation to build the market for quality efficient products
  4. Innovative financing including leasing and utility programs
  5. Customer education and training including efforts focused at end-users and lighting professionals

6. Developing mechanisms to sustain key product activities after GEF funds have run out
  7. Project evaluation, reporting and support.
- This team should identify areas not covered by the GEF grant that need attention as discussed above.

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