

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

Achievements Since the May 1997 Steering Committee Meeting

- Completed Action Plan for the Buildings team in December 1997, following consultation with U.S. and Chinese team members.
- Team priority changed from construction of a demonstration building to information and technical exchange.
- Completed final draft of "Policy Review and Future Policy Options in Building Energy Efficiency in China."
- Completed preliminary draft of report on the energy efficiency of building materials.
- Developed work plan for U.S.-China industry workshops on building energy efficiency.

Issues and Opportunities

- Due to the slow-down in construction, especially for commercial buildings, more emphasis should be placed on retrofit activities in existing buildings.
- The team should explore joint efforts with other teams, especially lighting, district heating, and cogeneration, where there are significant synergies in reducing energy demand.
- Need to determine what is the most effective method to promote building energy efficiency in China: is it standards, development of energy-efficient components, demonstrations, or market-based incentive programs?
- Opportunity for Natural Resources Defense Council (NRDC) collaboration with Chongqing to develop guidelines and possibly demonstrations of energy-efficient buildings.
- NRDC has received support from DOE to provide assistance in developing building energy standards for Chongqing.
- Lawrence Berkeley National Laboratory and China Building Energy Efficiency Administration have submitted a proposal to the Energy Foundation to assist the Ministry of Construction in developing building energy standards for residential buildings in the Transition Climate Zone and for commercial buildings, and to gather survey data on energy use of commercial buildings.

Next Steps

- Complete reports on energy efficiency in building materials and building energy efficiency
- Convene U.S.-China industry workshop on building energy efficiency, to be held at Carnegie-Mellon University in Pittsburgh in October 1999.
- Introduce DOE's experience in whole-building design and construction projects for new buildings, i.e., the Building America program, and retrofit of existing buildings, i.e., the Rebuild America program.
- Collaborate with the Ministry of Construction and local authorities, especially in Chongqing and Shanghai, to develop standards for residential buildings in the Transition Climate and for commercial buildings.
- Identify partners for market-based demonstration buildings.
- Explore innovative methods to promote building energy efficiency in China.

Team Leaders: Huai Litian, China Energy Conservation Investment Corporation;
Joe Huang, Lawrence Berkeley National Laboratory

