Fueling China’s Development Through Renewable Energy


Produced for the U.S. Department of Energy (DOE), by the National Renewable Energy Laboratory, a DOE national laboratory
NREL/BR-710-30879 August 2001

Advancing world energy security by helping China develop more diversified energy resources

Mitigating environmental damage through deployment of renewable energy and energy efficiency measures

Building partnerships between U.S. and Chinese industry

http://www.nrel.gov/china/
The U.S./China Protocol for Cooperation in the Fields of Energy Efficiency and Renewable Energy was signed by the U.S. Department of Energy (DOE) and the Chinese Ministry of Science and Technology (MOST) in 1995. Five of its seven annexes pertain to renewable energy: rural energy, wind energy, geothermal energy, policy and planning, and business development.

Rural Energy Development
Household- and village-scale renewable energy technologies provide energy or electricity to rural areas.
* Gansu Solar Home System Project
* Biomass Resource Assessment, Technology Assessment, and Market Development Strategies
* Inner Mongolia Wind/PV Hybrid Household Project
* Rural Energy Survey and Analysis
* DOE/Asia Pacific Economic Cooperation (APEC) Tibet Solar Electrification Project
* Great Wall PV Demonstration/ Education Site
* Training

Wind Energy Development
Accelerates sustainable, large-scale development of wind power in grid-connected, utility-scale, and off-grid village power applications.
* Wind Resource Assessment and Mapping
* Xiao Qing Dao Island Wind/Diesel Hybrid Project
* Hybrids Industry Working Group
* Training

Geothermal Energy Production and Use
Market development, identification, and implementation of geothermal heat pump investment projects.
* Identification and development of eight projects, including completion of $5.3 million of projects
* Training and System Monitoring

Policy and Planning
Renewable energy policy and support of the Brightness Rural Electrification Program
* Brightness Program Training Certification
* Policy Assistance for Renewables Portfolio Standard and Financial Incentives

Renewable Energy Business Development
Develops markets and facilitates business partnerships between U.S. and Chinese companies.
* Provincial Renewable Business Profiles
* Chinese PV Industry and Technology Assessments
* Wind Energy Business Development and Policy Analysis Workshop
* U.S./China Renewable Energy Forum, Exhibition and Study Tour in 2000
* Outreach and Web site Development

http://www.nrel.gov/china/
The U.S./China Protocol for Cooperation in the Fields of Energy Efficiency and Renewable Energy was signed by the U.S. Department of Energy (DOE) and the Chinese Ministry of Science and Technology (MOST) in 1995. Five of its seven annexes pertain to renewable energy: rural energy, wind energy, geothermal energy, policy and planning, and business development.

**Rural Energy Development**
Household- and village-scale renewable energy technologies provide energy or electricity to rural areas.
* Gansu Solar Home System Project
* Biomass Resource Assessment, Technology Assessment, and Market Development Strategies
* Inner Mongolia Wind/PV Hybrid Household Project
* Rural Energy Survey and Analysis
* DOE/Asia Pacific Economic Cooperation (APEC) Tibet Solar Electrification Project
* Great Wall PV Demonstration/Education Site
* Training

**Wind Energy Development**
Accelerates sustainable, large-scale development of wind power in grid-connected, utility-scale, and off-grid village power applications.
* Wind Resource Assessment and Mapping
* Xiao Qing Dao Island Wind/Diesel Hybrid Project
* Hybrids Industry Working Group
* Training

**Geothermal Energy Production and Use**
Market development, identification, and implementation of geothermal heat pump investment projects.
* Identification and development of eight projects, including completion of $5.3 million of projects
* Training and System Monitoring

**Policy and Planning**
Renewable energy policy and support of the Brightness Rural Electrification Program
* Brightness Program Training Certification
* Policy Assistance for Renewables Portfolio Standard and Financial Incentives

**Renewable Energy Business Development**
Develops markets and facilitates business partnerships between U.S. and Chinese companies.
* Provincial Renewable Business Profiles
* Chinese PV Industry and Technology Assessments
* Wind Energy Business Development and Policy Analysis Workshop
* U.S./China Renewable Energy Forum, Exhibition and Study Tour in 2000
* Outreach and Web site Development

Fueling China’s Development Through Renewable Energy


Advancing world energy security by helping China develop more diversified energy resources

Mitigating environmental damage through deployment of renewable energy and energy efficiency measures

Building partnerships between U.S. and Chinese industry

http://www.nrel.gov/china/