



Technical Support for China's Village Electrification Program

Cooperative Research and Development
Final Report

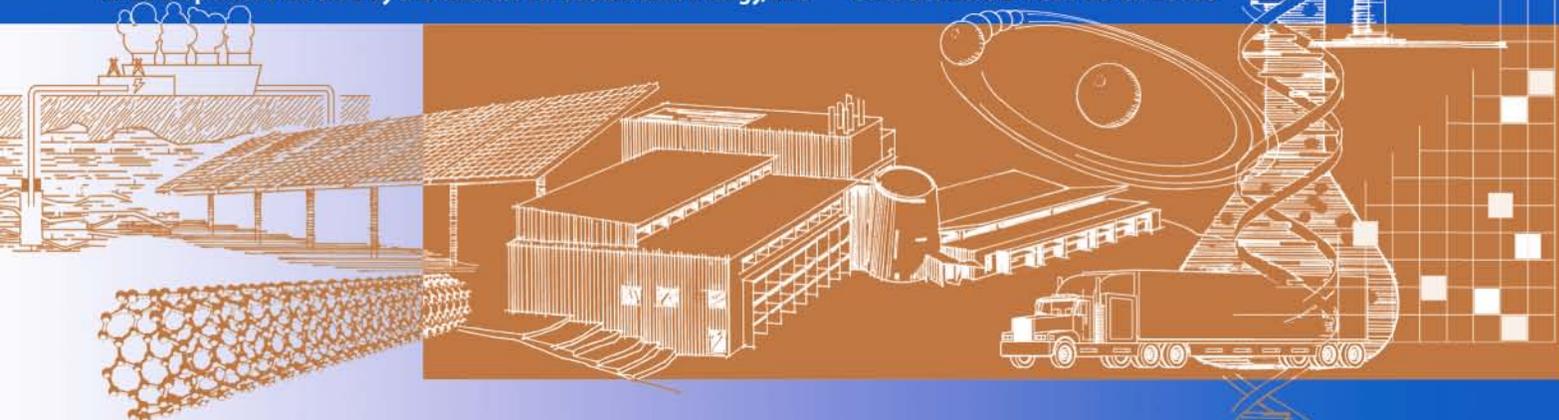
CRADA Number: CRD-07-00235

NREL Technical Contact: David Kline

CRADA Report
NREL/TP-7A1-48414
July 2010

NREL is operated for DOE by the Alliance for Sustainable Energy, LLC

Contract No. DE-AC36-08-GO28308



NOTICE

This report was prepared as an account of work sponsored by an agency of the United States government. Neither the United States government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States government or any agency thereof.

Available electronically at <http://www.osti.gov/bridge>

Available for a processing fee to U.S. Department of Energy and its contractors, in paper, from:

U.S. Department of Energy
Office of Scientific and Technical Information
P.O. Box 62
Oak Ridge, TN 37831-0062
phone: 865.576.8401
fax: 865.576.5728
email: <mailto:reports@adonis.osti.gov>

Available for sale to the public, in paper, from:

U.S. Department of Commerce
National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
phone: 800.553.6847
fax: 703.605.6900
email: orders@ntis.fedworld.gov
online ordering: <http://www.ntis.gov/ordering.htm>



Cooperative Research and Development Final Report

In accordance with Requirements set forth in Article XI.A(3) of the CRADA document, this document is the final CRADA report, including a list of Subject Inventions, to be forwarded to the Office of Science and Technical Information as part of the commitment to the public to demonstrate results of federally funded research.

CRADA number: CRD-07-00235

CRADA Title: Technical Support for China's Village Electrification Program

Parties to the Agreement: Institute of Electrical Engineering, Chinese Academy of Sciences + NREL

Joint Work Statement Funding Table showing DOE commitment:

Estimated Costs	NREL Shared Resources
Year 1	\$ 10,000.00
Year 2	\$ 00.00
Year 3	\$ 00.00
TOTALS	\$ 10,000.00

Abstract of CRADA work:

This work has two main goals: First, it provides for the analysis of data collected from systems developed in the previous phase of China's rural power program, the Township Electrification Program Second, it will comprise joint IEE-NREL work in support of the upcoming phase, "Electrification of Unelectrified Areas". IEE-NREL work on system and finance design will be integrated into the World Bank project "Design Assistance for China Renewable Energy Village Electrification Program"

Summary of Research Results:

Work was completed satisfactorily. NREL received extensive data describing the performance of hybrid renewable power systems from China's Song Dian Dao Xian village electrification program.

Subject Inventions listing: No subject inventions.

Report Date: 3/1/10

Responsible Technical Contact at Alliance/NREL: Kline, David

This document contains NO confidential, protectable, or proprietary information.