Technical Support for China's Village Electrification Program

Cooperative Research and Development Final Report

CRADA Number: CRD-07-00235

NREL Technical Contact: David Kline
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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.

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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:

<table>
<thead>
<tr>
<th>Estimated Costs</th>
<th>NREL Shared Resources</th>
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</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>$10,000.00</td>
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<tr>
<td>Year 2</td>
<td>$00.00</td>
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<tr>
<td>Year 3</td>
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<tr>
<td>TOTALS</td>
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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

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