



Solar Technology Acceleration Center (SolarTAC)

Cooperative Research and Development Final Report

CRADA Number: CRD-07-259

NREL Technical Contact: Dr. William Kramer

NREL is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency & Renewable Energy, operated by the Alliance for Sustainable Energy, LLC.

CRADA Report
NREL/TP-7A10-53369
October 2011

Contract No. DE-AC36-08GO28308

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/help/ordermethods.aspx>

Cover Photos: (left to right) PIX 16416, PIX 17423, PIX 16560, PIX 17613, PIX 17436, PIX 17721



Printed on paper containing at least 50% wastepaper, including 10% post consumer waste.

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-07-259

CRADA Title: Solar Technology Acceleration Center (SolarTAC)

Parties to the Agreement: Xcel Energy and Alliance for Sustainable Energy, LLC, National Renewable Energy Laboratory

Joint Work Statement Funding Table showing DOE Commitment:

Estimated Costs	NREL Shared Resources
Year 1	\$ 200,000.00
TOTALS	\$ 200,000.00

Abstract of CRADA work:

This agreement allowed NREL to serve as an advisor on SolarTAC – a collaborative effort between Xcel Energy, NREL, and the University of Colorado at Boulder. The collaboration was formed to accelerate pre-commercial and early commercial solar energy technologies to the marketplace. Through this CRADA, NREL participated in the deployment of solar energy generation technologies and related solar equipment for research, testing, validation, and demonstration purposes.

Summary of Research Results:

NREL worked with the SolarTAC partners to develop a management and work plan for the project. As part of this effort, NREL prepared a list of potential project and the associated required equipment. This project has resulted in large-scale commercial solar deployment demonstrations at Xcel Energy and has improved the flow of information and knowledge between solar technology manufacturers and users, as well as improved the understanding of solar energy technology within Xcel Energy.

Subject Inventions listing: N/A

Report Date: August 12, 2011 Responsible Technical Contact at Alliance/NREL: Dr. William Kramer

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