

RESOLUTION NUMBER:

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

WHEREAS, pursuant to Public Utilities Code Section 381 the State Energy Resources Conservation and Development Commission (Energy Commission) is authorized to establish and administer the Public Interest Energy Research Program (PIER); and

WHEREAS, the Energy Commission has recognized that California’s electricity ratepayers benefit from energy research, development and demonstration (RD&D) activities conducted by individuals, small businesses, academics and small non-profit institutions; and

WHEREAS, the Energy Commission has created the Energy Innovations Small Grant Program within the PIER Program to provide funding for the aforementioned public interest RD&D activities; and

WHEREAS, the Energy Commission has designated the Trustees of the California State University (CSU) to serve as the Small Grant Program Administrator (under Inter-agency Agreement Number 500-98-014, Amendment 7) to solicit grant applications, recommend grant awards to the Energy Commission, and manage authorized grant projects; and

WHEREAS, CSU has now completed the Electricity and Natural Gas solicitation 11-01 and has recommended for PIER funding the small grant projects listed in the “Notice of Proposed Grant Awards” attached to this Resolution; and

WHEREAS, the Energy Commission’s RD&D Staff has reviewed and concurs with CSU’s recommendations.

NOW THEREFORE BE IT RESOLVED THAT, the Energy Commission approves and authorizes PIER funding for the small grant projects listed in the attached “**Notice of Proposed Grant Awards, EISG Solicitation Cycle 11-01.**”

The Energy Commission hereby directs the Program Administrator to execute grant agreements pursuant to the Inter-agency Agreement in this matter.

CERTIFICATION

The undersigned Secretary to the Commission does hereby certify that the foregoing is a full, true and correct copy of a Resolution duly and regularly adopted at a meeting of the California Energy Commission held on July 11, 2012.

AYE:

NAY: None

ABSENT: None

ABSTAIN: None

HARRIET KALLEMEYN
Secretariat

**Notice of Proposed Grant Awards, EISG Electricity and Natural Gas Solicitation Cycle 11-01
Energy Innovations Small Grant Program
(Total \$854,230)**

Project Title: Solution-Processible Small Molecules for Plastic PV with Long Lifetimes
Principle Investigator: Dr. Corey Hoven, Next Energy Technologies, Inc., Santa Barbara, CA
Amount: \$95,000

Project Title: Enhanced Cooling Tower: Colder Water or Energy and Water Savings
Principle Investigator: Jarrell Wenger, Individual, Golden, CO
Amount: \$95,000

Project Title: Folded Electromagnetic Coil Generator for More Cost-Effective Wind Turbines
Principle Investigator: Charles Vann, Individual, El Dorado Hills, CA
Amount: \$95,000

Project Title: Spindrift Energy Device Proof of Concept
Principle Investigator: Brian Moffat, Individual, Simi Valley, CA
Amount: \$95,000

Project Title: Catalyst for Oxidizing Water to Oxygen for Hydrogen Generation
Principle Investigator: Prof. Douglas Grotjahn, San Diego State University, San Diego, CA
Amount: \$95,000

Project Title: Investigation of a new Process for SNG Production using Steam Hydrogasification
Principle Investigator: Chan Seung Park, University of California, Riverside
Amount: \$94,516

Project Title: Laser Sensors for Gas Pipeline Explosion Protection
Principle Investigator: Michael Frish, Physical Sciences Inc.
Amount: \$95,000

Project Title: Eco-Routing Navigation System for Electric Vehicles
Principle Investigator: Guoyuan Wu, University of California, Riverside
Amount: \$94,714

Project Title: Feasibility of an All-in-one Approach for Biofuels
Principle Investigator: Zhiliang Fan, University of California, Davis
Amount: \$95,000