

## Department of Energy Announces \$17 Million for Research in EPSCoR States

### *Nine Projects Aim to Advance Energy Research*

WASHINGTON, D.C. – Today, the U.S. Department of Energy (DOE) announced \$17 million in funding for nine energy research projects under the federal Established Program to Stimulate Competitive Research (EPSCoR) program. EPSCoR is designed to build capabilities in underserved regions of the country that will enable them to compete more successfully for other federal R&D funding.

Selected projects cover a range of topics energy research, including fundamental science in chemistry and materials as well as research to advance fusion energy, grid integration/solar energy, fuel cells, and advanced manufacturing. The projects will improve research capabilities in the host institutions through the support of groups of scientists and engineers, including graduate students and post-doctoral fellows, working together on common research topics.

Details on the awards selected for negotiation are shown below:

<b>Principal Investigator/ Project Director</b>	<b>Project Title</b>	<b>Institution</b>	<b>City, State</b>
Boyd, Eric	Probing novel pathways of iron sulfide acquisition and trafficking in model biocatalytic systems	Montana State University	Bozeman, Montana
Centurion, Martin	Probing nuclear and electronic dynamics in ultrafast ring-conversion molecular reactions	University of Nebraska-Lincoln	Lincoln, Nebraska
Chien, TeYu	Investigation of topologically trivial and non-trivial spin textures and their relationships with the topological Hall effect	University of Wyoming	Laramie, Wyoming
Jensen, Craig / Severa, Godwin	Fostering a guiding multiscale model for the development of advanced MgB2 hydrogen storage materials	University of Hawaii	Honolulu, Hawaii
Knowlton, Bill	Creating and controlling entanglement in DNA scaffolded dye aggregate systems	Boise State University	Boise, Idaho
Pereira da Cunha, Mauricio / Lad, Robert	Novel harsh environment materials and fabrication techniques for wireless sensor applications	University of Maine	Orono, Maine
Scime, Earl	Center for kinetic scale physics (KISP)	West Virginia University	Morgantown, West Virginia
Shirazi, Mariko	Development and validation of models to assess dynamic response of converter-dominated power systems across multiple spatiotemporal scales	University of Alaska Fairbanks	Fairbanks, Alaska
West, Kevin / Davis, James	Understanding the molecular-level interactions between ionic liquids and molecular species to design and develop novel solvent systems for environmental and energy applications	University of South Alabama	Mobile, Alabama