

**(Click on the title of any solicitation for more information)**

### **SOLAR WORKFORCE CERTIFICATION AND ACCREDITATION**

The U.S. Department of Energy seeks applications from parties with perspectives on how the quality of the solar industry workforce can be improved through certification and accreditation of industry-related personnel and organizations, and on the role DOE should have in facilitating this effort. The DOE currently supports certification and accreditation programs and therefore seeks feedback on the level of support the DOE has provided to date and the role that DOE should play going forward. Three topic areas:

Topic 1 – Certification of Personnel

Topic 2 – Certification of Instructors and Trainers

Topic 3 – Accreditation of Training Programs and Institutional Providers

Expected Number of Awards: 3

Estimated Total Program Funding: \$1,000,000

Award Ceiling: Topic Area 1 - \$500,000, Topic Areas 2 and 3 - \$250,000

Award Floor: To be determined

Eligible Applicants: Unrestricted

**Application Due Date: May 14, 2010**

### **MARINE HYDROKINETIC TECHNOLOGY READINESS ADVANCEMENT INITIATIVE**

The U.S. Department of Energy seeks proposals for projects to advance the technical and operational readiness of marine and hydrokinetic systems and components across a range of Technology Readiness Levels, with the unified goal of accelerating the development and deployment of these technologies to provide a domestic source of clean, affordable energy that is both economical and ecologically responsible.

Expected Number of Awards: 8

Estimated Total Program Funding: \$1,600,000

Award Ceiling: \$240,000 for systems; \$160,000 for components

Award Floor: None

Eligible Applicants: Institutions of higher education; nonprofit and for-profit entities; State and local governments; and consortia of these entities.

**Application Due Date: June 7, 2010**

### **ENERGY AND WATER APPROPRIATIONS ACT R&D PROJECTS**

The U.S. Department of Energy, National Energy Technology Laboratory (NETL) seeks applications in the following three Program Areas: 1) Innovations for Low-Cost Gasification; 2) Innovations in Control Technologies for Synthesis Gas Combustion; and 3) Research and Development of Fuel Cells for Electricity from Fossil- and Bio-Based Fuels.

Expected Number of Awards: 3

Estimated Total Program Funding: \$1,474,000

Award Ceiling: To be determined  
Award Floor: To be determined  
Eligible Applicants: Unrestricted  
**Application Due Date: May 19, 2010**

### **COAL UTILIZATION SCIENCE**

The U.S. Department of Energy, National Energy Technology Laboratory's (NETL) Advanced Research Program seeks projects in the Coal Utilization Science for the improvement of next generation fossil energy power systems. The goal of the Advanced Research - Coal Utilization Science Program is to conduct research that supports the development of technologies for clean, efficient electric power generation. NETL is seeking innovative research and development of sensor and control systems to support the full-scale implementation and operation of highly efficient, near zero emission power generation technologies.

Expected Number of Awards: 6  
Estimated Total Program Funding: \$5,600,000  
Award Ceiling: To be determined  
Award Floor: None  
Eligible Applicants: Unrestricted  
**Application Due Date: May 24, 2010**

### **SUBMISSION OF SUPPLEMENTAL APPLICATIONS FOR DOE PHASE II SBIR/STTR GRANTS**

The U.S. Department of Energy (DOE) announces an opportunity for currently active DOE SBIR and STTR Phase II grantees that were awarded Phase II grants in response to the 2007 Phase II Funding Opportunity Announcement and 2008 Phase II Funding Opportunity Announcement to request supplemental funding for their Phase II research projects. Applicants must have already satisfactorily completed at least 1 year of their Phase II research project and must be formally invited by their DOE Project Officer to submit a request for supplemental funds to support their existing Phase II project. Proof of DOE Project Officer approval is required as part of the Project Narrative in the Supplemental Grant Application.

Expected Number of Awards: 4  
Estimated Total Program Funding: \$1,000,000  
Award Ceiling: To be determined  
Award Floor: None  
Eligible Applicants: Only currently active DOE SBIR or STTR Phase II grantees that have written approval from their DOE Project Officer  
**Application Due Date: May 18, 2010**

### **PHOTOVOLTAIC (PV) MANUFACTURING INITIATIVE**

Applications are sought that will enable the U.S. Department of Energy to launch a PV Manufacturing Initiative that will support accelerated development for the U.S. PV industry. There are two separate topics: (1) University-Focused: designed to allow Universities to conduct industry-relevant research and development projects related

to PV manufacturing; and (2) Industry-Focused: designed to allow Industry to accelerate the development and implementation of PV manufacturing-related technologies through both collaborative and non-collaborative models.

Expected Number of Awards: Up to 5

Estimated Total Program Funding: \$125,000,000

Award Ceiling: University – up to \$25,000,000; Industry – up to \$100,000,000

Award Floor: None

Eligible Applicants: Institutions of higher education; nonprofit and for-profit private entities; State and local governments; and consortia of these entities.

**Application Due Date: Concept paper applications - June 3, 2010**

### **NATIONAL ADMINISTRATOR OF SOLAR INSTRUCTOR TRAINING**

The U.S. Department of Energy seeks applications for a National Administrator, which is the central coordinating body which will serve the following functions: 1) Manage the collaboration of the Regional Resource and Training Providers (RTPs), coordinate their joint activities, and, where applicable, assist them in the completion of their project goals; 2) Work with a broad set of stakeholders, define and prioritize issues related to solar training and workforce development. Develop and carry out a strategy such as convening, facilitating and coordinating working groups which include the RTPs and other stakeholders to address these issues; and 3) Serve as the national point of contact for the solar instructor training network, disseminating the working groups products, and conducting other communication and outreach efforts such as providing recommendations to stakeholders for the acceptance and adoption of best practices.

Expected Number of Awards: To be determined

Estimated Total Program Funding: To be determined

Award Ceiling: To be determined

Award Floor: None

Eligible Applicants: Unrestricted

**Application Due Date: June 15, 2010**

### **HIGH IMPACT SUPPLY CHAIN R&D FOR PV TECHNOLOGIES**

The U.S. Department of Energy seeks proposals to identify and accelerate the development of cross-cutting and unique products or processes that are expected to have a disruptive impact on the photovoltaics (PV) industry in support of the overall Department of Energy, Energy Efficiency and Renewable Energy, Solar Energy Technologies Program (SETP) goals. Successful applicants will propose an R&D project based on a concept, process, or prototype, which has been demonstrated at a pre-commercial scale, and show how this technology has significant potential for near-term impact on a substantial segment of the PV industry.

Expected Number of Awards: To be determined

Estimated Total Program Funding: To be determined

Award Ceiling: To be determined

Award Floor: None

Eligible Applicants: Unrestricted

**Application Due Date: July 2, 2010**