



Recovery Update from the Iowa Office of Energy Independence

May 28, 2009

The Department of Energy (DOE) has released six new funding opportunity announcements that deal with the development of solar and geothermal technology. The full details for each program can be found at the links below this message.

Funding for **High Penetration Solar Deployment** will be used to facilitate the increased growth of grid-tied photovoltaic installations with the aim of accelerating the widespread commercialization of clean solar energy technologies.

- Total program funding will be \$17.5 million for the first year, with an additional \$20 million expected through fiscal year 2014
- Funding will also be used to develop modeling tools and databases, to demonstrate the integration of solar technology into smart grid applications, and to develop control systems for small modular photovoltaic systems
- The deadline for applications is July 30, 2009

Solar Market Transformation funding seeks to reduce market barriers and promote market expansion of solar energy technologies through non-research and development activities.

- Total program funding will be \$20 million for the first year, with an additional \$17 million expected through fiscal year 2013
- Awards are expected to be between \$150,000 and \$6 million
- Funding may be used for activities that provide technical, regulatory, institutional, financial, and educational solutions to market transformation barriers
- Funding may also be used for efforts that accelerate demand for new solar technologies
- The deadline for applications is July 30, 2009

The DOE National Laboratories may apply for funding for **Foundational Photovoltaics and Concentrating Solar Power Research and Development**.

- Total program funding will be \$17 million
- Efforts will focus on improving the reliability of concentrating solar power technologies and enhancing laboratory capabilities to provide test and evaluation support to the solar industry
- The deadline for applications is July 15, 2009

The **Geothermal Technologies Program** will support projects that include exploration, siting, drilling, and characterization of exploration wells utilizing innovative exploration techniques.

- Total program funding is expected to be as much as \$170 million
- DOE expects to approve 60 awards, with a limit of \$5 million per award
- Specific activities also include a nationwide assessment of geothermal resources, creation of a national geothermal data system, and development of a geothermal resource classification system



- The deadline for applications is July 22, 2009

Enhanced Geothermal Systems Demonstrations funding will be used to support demonstrations of cutting-edge technologies to advance geothermal energy in new geographic areas.

- Total program funding is expected to be as much as \$140 million
- Funding will also be used to produce geothermal energy from oil and natural gas fields and geopressed fields

Enhanced Geothermal Systems Component Research and Development funding will be used to support research that will allow geothermal power generation beyond only those systems located near easily-accessible geothermal water resources.

- Total program funding is expected to be as much as \$80 million

High Penetration Solar Deployment

<http://www.grants.gov/search/search.do;jsessionid=239dKdpYpMrxLp1T4hXQWVpZrkyk6fNSvQ2pcyY3mTyHsJv1SNrL!1834325596?oppld=47579&flag2006=false&mode=VIEW>

Solar Market Transformation

<http://www.grants.gov/search/search.do;jsessionid=nv76KdnbByy22frT2QJZG2D39crrv8McxbdZ5sl2cT29vrRxpWyM!1834325596?oppld=47585&flag2006=false&mode=VIEW>

DE-FOA-0000078

National Laboratory Call for Foundational Photovoltaics and Concentrating Solar Power Research and Development

<http://www.grants.gov/search/search.do;jsessionid=239dKdpYpMrxLp1T4hXQWVpZrkyk6fNSvQ2pcyY3mTyHsJv1SNrL!1834325596?oppld=47577&flag2006=false&mode=VIEW>

DE-FOA-0000087

Geothermal Technologies Program

<http://www07.grants.gov/search/search.do;jsessionid=zvG9Kd9WChLPJZjvLVHb4KVcBN2ZHjkJ3INbpzKJTHB1zZIQVlcp!-1908586553?oppld=47584&flag2006=false&mode=VIEW>

Enhanced Geothermal Systems Demonstrations

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=45747>

Enhanced Geothermal Systems Component Research and Development/Analysis

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=45677>