



## Opportunities Galore for Financial Assistance!

There is a recent flurry of funding opportunities for research, development, and implementation of energy efficient, carbon reducing, productivity improving technologies. For example, below are brief summaries of four of these opportunities. Unfortunately most of them are due to the agencies in July and August. Web sites for further information are included. If you need help with locating these funding opportunities, please contact Kathleen Cullen at (304) 293-2867 ext. 5426 or [Kathleen.Cullen@mail.wvu.edu](mailto:Kathleen.Cullen@mail.wvu.edu). (FOA stands for Funding Opportunity Notice)

### Recovery Act: Deployment of Combined Heat and Power (CHP) Systems, District Energy Systems, Waste Energy Recovery Systems, and Efficient Industrial Equipment

**Due Date:** July 14, 2009

**Objective:** The U.S. DOE's Industrial Technologies Program (ITP) is seeking deployment projects for district energy systems, combined heat and power (CHP) and waste energy recovery applications, and energy-efficient industrial equipment and processes.

#### Areas of interest:

- Combined Heat and Power
- District Energy Systems
- Industrial Waste Energy Recovery
- Efficient Industrial Equipment

**Funding:** Approximately \$156,000,000 in DOE funding is expected to be available for new awards under this announcement. Single application funding ranges from \$500,000 to \$100,000,000.

**FOA No.:** DE-FOA-0000044

**Link to FOA:** [www.fedconnect.net](http://www.fedconnect.net)

### Industrial Energy Efficiency Grand Challenge

**Due Date:** July 14, 2009

**Objective:** Concept definition projects for transformational industrial processes and technologies that reduce energy intensity or greenhouse gases of the system by a min of 25% while providing a ROI of at least 10%.

## EVENTS

**WEBCAST: Introduction to Pumping System Assessment Tool** will be held July 24, 2009. To register, go to <https://www1.gotomeeting.com/register/684851040>

**WEBCAST: Introduction to Process Heating Systems** will be held July 27, 2009. To register, go to <https://www1.gotomeeting.com/register/325974576>

**2009 ACEEE Summer Study on Energy Efficiency** in Industry sponsored by The American Council for an Energy-Efficient Economy will be held July 28-31, 2009 at the Conference Center Niagra Falls in Niagra Falls, NY. For more information or to register, click here <http://www.aceee.org/conf/09ss/09ssindex.htm>

**WEBCAST: Introduction to Compressed Air Systems** will be held August 3, 2009. To register, go to [https://www1.gotomeeting.com/en\\_US/island/webinar/registration.tmpl?Action=rgoto&sf=1](https://www1.gotomeeting.com/en_US/island/webinar/registration.tmpl?Action=rgoto&sf=1)

#### Areas of Interest:

- Next generation manufacturing processes
- Improvements in energy intensive processes
  - Reactions and separations
  - Hi-temp materials processing
  - Waste heat minimization and recovery
  - Sustainable manufacturing processes,
- Advanced materials:
  - Thermal and degradation resistant materials that increase lifetime by 10x,
  - Materials for energy systems that improve performance by 50%.
- Industrial greenhouse gas reduction

**Funding:** Approximately \$5 million is expected to be available for new awards in FY2009. DOE will fund 50 concept definition studies at \$250 - \$300K. Awardees that successfully accomplish project goals and criteria may apply for Continuation Awards (Stage 3) of up to \$3 million to further develop and demonstrate commercialization potential.

**FOA No.:** DE-FOA-0000044

**Link to FOA:** [www.fedconnect.net](http://www.fedconnect.net)

### Recovery Act: Carbon Capture and Sequestration from Industrial Sources and Innovative Concepts for Beneficial CO2 Use

**Due Date:** July 21, 2009

**Objective:** Large-scale testing of CO2 sequestration systems in a range of geologic formations, expansion of CO2 EOR to new settings, projects may include plant efficiency improvements for integration with CO2 capture technology, and innovative concepts for beneficial CO2 use

#### Areas of Interest:

- Large-scale industrial CCS projects from industrial sources
  - Capture a stream of CO2 from large, stationary emission point sources and sequester this CO2 into underground geologic formations including oil bearing formations.
- Innovative concepts for beneficial CO2 use
  - Pilot-scale field-testing of technologies for chemical conversion of CO2 captured from industrial sources, for permanent storage

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(e.g., mineralization) or processes that have a beneficial use of CO2 that result in the production of fuels or chemical products.

**Funding:** \$1,321,765,000 for large-scale industrial CCS projects and \$100,000,000 for innovative concepts for beneficial CO2 use projects

**FOA No.:** DE-FOA-0000015

**Link to FOA:** [www.fedconnect.net](http://www.fedconnect.net)

## Applications for Renewable Energy Systems and Energy Efficiency Improvements Grants and Guaranteed Loans and Renewable Energy Feasibility Studies Grants under the Rural Energy for America Program

**Due Date:** July 21, 2009

**Objective:** Loans and grants for purchase of renewable energy systems and to make energy efficiency improvements and to conduct feasibility studies for renewable energy systems for agriculture producers and rural small businesses in eligible rural areas.

**Funding:** For renewable energy system grants, the minimum grant is \$2,500 and the maximum is \$500,000. For energy efficiency improvement grants, the minimum grant is \$1,500 and the maximum grant is \$250,000. For loan guarantees, the minimum guaranteed loan amount is \$5,000 and the maximum amount of a guarantee to be provided to a borrower is \$25 million. For grant and loan combination packages, the minimum grant portion of the combined funding request is \$1,500 for energy efficiency improvement projects and \$2,500 for renewable energy system projects.

**FOA No.:** None listed – check USDA or [grants.gov](http://grants.gov)

**Link to FOA:** [www.grants.gov](http://www.grants.gov)

## Additional Co-Funding Opportunities for IOF-WV Research Teams

<i>Announcement</i>	<i>Due Dates</i>	<i>Funding</i>
<b>Net-Zero Energy Commercial Building Initiative Supporting Consortium</b> <a href="https://www.fedconnect.net/FedConnect/">https://www.fedconnect.net/FedConnect/</a>	<b>Request for Proposals:</b> Now Open <b>Proposals Due:</b> July, 14, 2009	<b>Estimated Funding:</b> DOE estimates that approximately \$1 million shall be available for one award under this Funding Opportunity Announcement (FOA).
<b>Recovery Act: National Laboratory Call for Foundational Photovoltaics and Concentrating Solar Power Research and Development</b> <a href="https://www.fedconnect.net/FedConnect/">https://www.fedconnect.net/FedConnect/</a>	<b>Request for Proposals:</b> Now Open <b>Proposals Due:</b> July, 15, 2009	<b>Estimated Funding:</b> Approximately \$17 million is expected to be available for new awards under this announcement.
<b>Recovery Act: Energy Efficient Information and Communication Technology</b> <a href="https://www.fedconnect.net/FedConnect/">https://www.fedconnect.net/FedConnect/</a>	<b>Request for Proposals:</b> Now Open <b>Proposals Due:</b> July, 21, 2009	<b>Estimated Funding:</b> Approximately \$50 Million is expected to be available for new awards under this announcement.
<b>Recovery Act: Geothermal Technologies Program</b> <a href="https://www.fedconnect.net/FedConnect/">https://www.fedconnect.net/FedConnect/</a>	<b>Request for Proposals:</b> Now Open <b>Proposals Due:</b> July, 22, 2009	<b>Estimated Funding:</b> A total of \$170,000,000 is expected to be available for new awards under this announcement.
<b>IARPA Advanced Materials and Fabrication for Coherent Superconducting Qubits Program</b> <a href="http://www.arl.army.mil/www/default.cfm?Action=6&amp;Page=8">http://www.arl.army.mil/www/default.cfm?Action=6&amp;Page=8</a>	<b>Request for Proposals:</b> Now Open <b>Proposals Due:</b> July 31, 2009	<b>Estimated Funding:</b> TBD



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