

## Notice of Intent to Issue a Funding Opportunity Announcement

The Department of Energy's (DOE) National Energy Technology Laboratory (NETL) intends to issue, on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), a Funding Opportunity Announcement (FOA) entitled "Deployment of Combined Heat and Power (CHP) Systems, District Energy Systems, Waste Energy Recovery Systems, and Efficient Industrial Equipment"

The American Recovery and Reinvestment Act (ARRA) of 2009 enacted legislation to create jobs, restore economic growth, and strengthen America's middle class through measures that modernize the nation's infrastructure, enhance America's energy independence, expand educational opportunities, preserve and improve affordable health care, provide tax relief, and protect those in greatest need.

Areas of interest 1 through 3 of the planned FOA shall deploy energy efficient combined heat and power (CHP) systems, district energy systems, and waste energy recovery systems. The result will be the broader deployment of technologies that will increase our national energy security, provide construction jobs, and build markets for skilled green construction.

Area of interest 4 of this FOA shall provide technologies and systems with a minimum efficiency improvement of 25 percent to the industrial sector. The result will be the broader deployment of technologies that will increase our national energy security, provide construction jobs, and build markets for skilled green construction.

Applicants will be required to apply to one or more of the following Areas of Interest:

**Area of Interest 1: COMBINED HEAT AND POWER** —The term 'combined heat and power' means the generation of electric energy and heat in a single, integrated system, with an overall thermal efficiency of 60 percent or greater on a higher-heating-value basis.

Applications are sought for deployment of commercially available CHP technologies and may include single installations or multiple installations at multiple sites. Applications are limited to deployment of new integrated CHP systems where similar systems had not existed previously and replacement of an inefficient existing system. Applications that include modifications or upgrades to existing systems will be deemed non-responsive to the solicitation and will not be reviewed. Projects may be proposed that include multiple CHP sizes and/or types at the same location or at different locations.

New systems shall have a minimum efficiency of 60%. Replacement of an inefficient existing system shall have at least 60% overall system efficiency and represent at least a 25% efficiency increase when compared the system being replaced.

**Area of Interest 2: DISTRICT ENERGY SYSTEMS** —The term 'district energy systems' means systems providing thermal energy from a renewable energy source, thermal energy source, or highly efficient technology to more than 1 building or fixed energy-consuming use from 1 or more thermal-energy production facilities through pipes or other means to provide space

heating, space conditioning, hot water, steam, compression, process energy, or other end uses for that energy.

Applications are sought for deployment of commercially available district energy system technologies and may include single installations or multiple installations at multiple sites. Applications are limited to deployment of new district energy systems where similar technology had not existed previously and replacement of an inefficient existing system. Applications that include modifications or upgrades to existing systems will be deemed non-responsive to the solicitation and will not be reviewed. Projects may be proposed that include multiple district energy system sizes and/or types at the same location or at different locations.

New systems shall have a minimum efficiency of 60%. Replacement of an inefficient existing system shall have at least a 25% efficiency increase when compared with the system being replaced.

**Area of Interest 3: WASTE ENERGY RECOVERY** —The term ‘waste energy recovery’ means—the collection and reuse of energy from sources such as exhaust heat or flared gas from any industrial process; waste gas or industrial tail gas that would otherwise be flared, incinerated, or vented; a pressure drop in any gas, excluding any pressure drop to a condenser that subsequently vents the resulting heat.

Applications are sought for deployment of commercially available waste energy recovery technologies and may include single installations or multiple installations at multiple sites. Applications are limited to deployment of new integrated waste energy recovery systems where similar systems had not existed previously and replacement of an inefficient existing system. Applications that include modifications or upgrades to existing systems will be deemed non-responsive to the solicitation and will not be reviewed. Projects may be proposed that include multiple waste energy recovery sizes and/or types at the same location or at different locations.

New systems shall have a minimum efficiency of 30%. Replacement of an inefficient existing system shall have at least 30% overall system efficiency and represent at least a 25% efficiency increase when compared the system being replaced.

**Area of Interest 4: EFFICIENT INDUSTRIAL EQUIPMENT** – The term “efficient industrial equipment” refers to any proven, commercially available technology. Applications shall include deployment of technologies and systems with a minimum efficiency improvement of 25 percent into the industrial sector. Bundling of multiple projects within a single application is required. Applications submitted for this area of interest shall be sized to exceed \$5M for the government share of the project.

#### **APPLICATION PREPARATION CONSIDERATIONS**

Applications that are ready for immediate initiation will receive higher priority in the evaluation process. These applications will demonstrate the ability to initiate implementation within 120 days via evidence of mature design, site agreements, site licensing and permitting, appropriate environmental certifications, partner commitments, supplier commitments, and equipment availability.

Applicants will be required to complete an environmental questionnaire (NETL F 451.1-1/3) as part of their application package addressing any environmental issues.

DOE envisions awarding multiple financial assistance agreements in the form of cost-share grants. Anticipated funding for areas of interest 1 through 3 is \$106 million. Anticipated funding for area of interest 4 is \$50 million. These funds will be provided through the American Recovery and Reinvestment Act of 2009.

Non-Federal cost share will be required for all recipients. The specific amount of non-Federal cost share will be identified in the FOA.

DOE plans to make the Funding Opportunity Announcement available in March, 2009. The Funding Opportunity Announcement will be available for viewing at Grants.gov (<http://www.grants.gov>) and at FedConnect (<https://www.fedconnect.net/FedConnect/>). Applicants are strongly encouraged to register at these sites to receive notification of announcements posted by the National Energy Technology Laboratory. When the Funding Opportunity Announcement is released, applications will only be received through Grants.gov.

In anticipation of the Funding Opportunity Announcement being released shortly, there are several one-time actions prospective applicants must complete in order to submit an application through Grants.gov (e.g., obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number, register with the Central Contract Registry (CCR), register with the credential provider, and register with Grants.gov). Due to the likelihood of a short response period, interested applicants are strongly encouraged to ensure these requirements have been met. Detailed information on the DUNS and CCR process is presented at <http://www.grants.gov/GetStarted>. Applicants may use the Grants.gov Organization Registration Checklist at <http://www.grants.gov/assets/OrganizationRegCheck.pdf> to guide them through the process. Designating an E-Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in the CCR registration process. Applicants not yet registered with CCR and Grants.gov, should allow at least 21 days to complete these requirements. It is strongly recommended that the process be started as soon as possible.

If your organization does not have a DUNS number, go to the Dun & Bradstreet (D&B) online registration located at <http://fedgov.dnb.com/webform/displayHomePage.do> to receive a number free of charge or call 1-866-705-5711.

The Central Contractor Registration (CCR) collects, validates, stores, and disseminates business information about the Federal Government's trading partners in support of the contract award, grants, and the electronic payment processes.

To see if your organization is already registered with CCR, check the CCR website located at <http://www.bpn.gov/ccring/scripts/search.asp>. You will be able to search CCR by using either your organization's DUNS Number or legal business name. If your organization is already registered, take note of who is listed as the organization's E-Business Point of Contact (E-Business POC). This person will be responsible for registering in FedConnect.

If your organization is not registered in CCR, go to the CCR Website at [www.ccr.gov](http://www.ccr.gov) and select the "Start New Registration" option to begin the registration process. Please allow up to 7 days

for processing of your registration which includes the IRS validating your Employer Identification Number (Taxpayer Identification Number or Social Security Number). The organization's E-Business POC will be designated during the CCR registrations process. A special Marketing Partner ID Number (MPIN) is established as a password to verify the E-Business POC.

The DOE will not entertain questions at this time. Once the Funding Opportunity Announcement has been released, a "submit questions" feature will be defined.

**DISCLAIMER**

This Notice is issued so that interested parties are aware of the DOE's intention to issue this Funding Opportunity Announcement. Any of the information contained in this Notice is subject to change.