

Federal Funding Opportunities



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Discussion of Stimulus Package
Funding Opportunities

Agenda

The focus is on energy efficiency, cleaner use of conventional fuels, greater reliance upon renewable fuels, reduction in GHGs, improved air quality, and jobs. The policy initiative is to transition from an energy sector heavily reliant on fossil fuels to one more reliant upon renewable energy. Stimulus funding is being directed at growing jobs in a manufacturing sector that supports cleaner, more efficient and sustainable energy production and use.

-  ARRA
-  Energy Policy Objectives
-  DOE Programs
-  Fed-Connect
-  Notifications
-  Focus– Infrastructure and/or Research Deployment
-  Funding Sources

American Recovery and Reinvestment Act of 2009 (\$478 Billion)

- A. Energy Independence and Security Act of 2007
- B. Energy Policy Act of 2005
- C. U.S. Department of Energy (DOE)



Energy Policy Objectives

- Reduced dependency on foreign sources of energy
- Reduced reliance on fossil fuels
- Increased use of renewable energy
- Reduced energy usage
- Increased energy efficiency
- Reduced GHGs
- Improved air quality
- More jobs
- Less reliance on imported energy technologies
- Increased domestic manufacturing of energy technologies



DOE Programs

- Office of Energy Efficiency and renewable Energy
- Biomass Program Solar Energy Technologies Program
- Wind & Hydropower Technologies Program
- Geothermal Technologies Program
- Industrial Technologies Program
- Building Technologies Program
- Weatherization & Intergovernmental Program
- Vehicle Technologies
- Hydrogen, Fuel Cells & Infrastructure technologies Program



FedConnect-Funding Protocols

- FedConnect Registration
- DUNS #
- Central Contractor Registrar



OPPORTUNITY NOTIFICATIONS

- Funding Opportunity Announcements (FOAs) through FedConnect
- FOAs through DOE's website
- FOAs through EERE Alerts and press releases
- Opportunities through State energy office programs
- Analyze FOA's to determine if specific campus projects are eligible.
- Applications prepared in conjunction with the University's grants office, and engineering, project management and legal support.



Identify potential academic, education and training opportunities supporting:

- R&D in cleaner use of conventional fuels
- R&D in renewable energy
- R&D in renewable transportation fuels
- R&D in more fuel efficient vehicles
- Education and training in the manufacturing of cleaner and efficient energy production technologies
- Education and training in the operation, maintenance, and repair of a new energy production technologies

Identify potential projects for the physical plant and facilities:

- district energy
- boiler replacement and upgrade
- CHP potential
- renewable fuels
- distribution system
- electric distribution system
- smart grid opportunities
- building retro fits
- energy management systems

Project R&D, Demonstration & Deployment

- Energy Efficiency
- Energy conservation
- Renewable energy
(wind, solar geothermal, biomass, methane)
- Combined heat and power
- Heat recovery
- District energy
- Distributed generation
- Energy storage systems
- Absorption chillers
- Energy efficiency retrofits
- Micro turbines
- Ground source heat pumps
- Building codes
- Clean Coal
- CO₂ sequestration



Other Funding Sources

- Build America – 35% of interest costs to zero interest
- State Programs
- U.S. Department of Labor
- U.S. Department of Education
- U.S. Department of Housing and Urban Development
- American Clean Energy and Security Act of 2009
- Ominous Budget Bill
- Sustained funding initiative



What to do

- Research what is being funded, by who and how
- Understand or develop an outline of your energy program and path
- Apply
- Apply
- Apply

Questions and Discussion



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