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AGRICULTURE AND FOOD RESEARCH - CLIMATE CHANGE

The U.S. Department of Agriculture requests proposals for the Agriculture and Food Research Initiative (AFRI) - Climate Change. The AFRI Climate Change Program will fund projects focused on reducing greenhouse gas emissions and increasing carbon sequestration in agricultural and forest production systems and preparing the nation's agriculture and forests to adapt to changing climates. Priority areas include: Regional Approaches to Climate Change; Regional Approaches to Climate Change – Planning; Impacts of Climate Change on Animal Health and Production; Climate Change Mitigation and Adaptation in Agriculture.

Expected Number of Awards: 35

Estimated Total Program Funding: \$55,000,000

Award Ceiling: \$25,000,000

Award Floor: \$0

Eligible Applicants: Public and State controlled institutions of higher education; Native American tribal organizations (other than Federally recognized tribal governments); Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education; Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education; Private institutions of higher education; Individuals; For profit organizations other than small businesses; Small businesses.

Application Due Date: This program has multiple deadline dates occurring throughout FY 2010 ranging from May 7 to July 16, 2010.

REACTOR UPGRADES

This Funding Opportunity Announcement (FOA) seeks proposals from U.S. universities and colleges with operating research reactors. The purpose of the program is to upgrade and improve the U.S. university nuclear research and training reactors and to contribute to strengthening the academic community's nuclear engineering infrastructure

Expected Number of Awards: 22

Estimated Total Program Funding: \$7,000,000

Award Ceiling: \$1,500,000

Award Floor: \$150,000

Eligibility: Public and State controlled institutions of higher education; Private institutions of higher education

Application Due Date: May 11, 2010

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

HUD SUSTAINABLE COMMUNITIES PLANNING GRANT PROGRAM

The Department of Housing and Urban Development (HUD) seeks applications for the Sustainable Communities Planning Grant Program. HUD requests that interested organizations call the HUD NOFA Information Center as soon as possible. The NOFA Information Center will ask for your organization name and address, contact name, email, and telephone number. Notification of intent to apply is not a requirement for application, but helps HUD determine staffing requirements for review and evaluation of applicants. Interested entities are encouraged to begin the grants.gov registration process now as the full 5-step process can take 2-4 weeks to complete.

Estimated Total Program Funding: \$100,000,000

Eligible Applicants: To be determined

Application Due: May 14, 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

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

WASTE HEAT FROM VEHICLES

The National Science Foundation and the U.S. Department of Energy request proposals for Devices for Vehicle Applications. NSF and DOE seek research proposals with transformative ideas that will impact national needs and priorities in energy conservation and climate change, specifically as pertains to novel thermoelectric devices and systems for harvesting waste heat in vehicle applications. \$9 million expected to be available, up to 9 awards anticipated.

Expected Number of Awards: 9
Estimated Total Program Funding: \$1,500,000
Award Ceiling: \$1,500,000
Award Floor: \$1,000,000
Eligible Applicants: Principal Investigators (PIs) must be at the faculty level as determined by the submitting organization. A minimum of one PI and two co-PIs must participate.
Application Due Date: Letters of Intent due May 21, 2010; Final proposals due June 22, 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

COMPUTATIONAL CAPABILITIES TO DEVELOP MATERIALS FOR ADVANCED FOSSIL ENERGY POWER SYSTEMS GRANT

The U.S. Department of Energy's National Energy Technology Laboratory's (NETL's) Advanced Research (AR) Program seeks proposals for projects that will enable the next generation Fossil Energy (FE) power systems. The goal of the AR Materials Program is to conduct research leading to a scientific understanding of high-performance materials compatible with hostile environments associated with advanced FE production. This includes the development of the materials of construction, including processing and fabrication methods, and functional materials necessary for all FE systems, including materials for coal fuels technologies and for advanced power generation technologies such as coal gasification, heat engines, combustion systems (i.e advanced ultra supercritical and oxygen fired), and fuel cells.

Expected Number of Awards: 4

Estimated Total Program Funding:

Award Ceiling: To be determined

Award Floor: To be determined

Eligible Applicants:

Application Due Date: May 26, 2010

CO-PRODUCTION OF POWER, FUELS, AND CHEMICALS VIA COAL/BIOMASS MIXTURES GRANT

The U.S. Department of Energy, Office of Fossil Energy Clean Coal Technology Program seeks applications for R&D projects that will address key challenges related to the utilization of coal-biomass mixtures for co-production of power and hydrogen, fuels, and/or chemicals. Three topic areas: Topic Area 1: Pre-processing and Conditioning of Coal/Biomass Mixtures for Simultaneous Co-Feeding Systems; Topic Area 2: Reactive Properties of coal/biomass mixed fuels; Topic Area 3: Design concepts for Co-Production of Power, Fuels, and Chemicals

Expected Number of Awards: 8

Estimated Total Program Funding: \$4,500,000

Award Ceiling: TBD

Award Floor: TBD

Eligible Applicants: Unrestricted

Application Due Date: May 28, 2010

DEPARTMENT OF ENERGY ATMOSPHERIC SYSTEM RESEARCH GRANT

The Office of Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby requests applications to develop innovative laboratory and observational data analyses and to utilize the resulting knowledge from such analyses to improve cloud and aerosol formulations in global climate models. The intent is to improve the understanding and modeling of cloud and aerosol properties and processes and their impact on the atmospheric radiation balance. If the application is successful, the research would be part of the

Atmospheric System Research (ASR) Program in the Climate and Environmental Sciences Division (CESD).

Expected Number of Awards: 40

Estimated Total Program Funding: \$7,500,000

Award Ceiling: \$200,000

Award Floor: \$50,000

Eligible Applicants: Unrestricted. All types of domestic entities are eligible to apply as the lead institution.

Application Due Date: June 1, 2010

NATIONAL SCIENCE FOUNDATION ENERGY FOR SUSTAINABILITY

The Energy for Sustainability program supports fundamental research and education in energy production, conversion, and storage and is focused on energy sources that are environmentally friendly and renewable.

Expected Number of Awards: To be determined

Estimated Total Program Funding: To be determined

Award Ceiling: To be determined

Award Floor: To be determined

Eligible Applicants: Unrestricted

Application Due Date: September 23, 2010

NATIONAL SCIENCE FOUNDATION ENVIRONMENTAL SUSTAINABILITY

There are four principal general research areas which are supported, but others can be proposed: Industrial Ecology; Green Engineering; Ecological Engineering; Earth Systems Engineering.

Expected Number of Awards: To be determined

Estimated Total Program Funding: To be determined

Award Ceiling: To be determined

Award Floor: To be determined

Eligible Applicants: Unrestricted

Application Due Date: September 23, 2010

ACTIVITIES THAT ADVANCE METHANE RECOVERY AND USE AS A CLEAN ENERGY SOURCE

The U.S. Environmental Protection Agency announces the availability of funds and solicits proposals for investigation, survey, study, training, and demonstration projects (eligible projects) that advance international near-term, cost-effective methane recovery and use as a clean energy source, and support the goals of the Methane to Markets Partnership. This funding opportunity is only for international activities in support of the Methane to Markets Partnership.

Expected Number of Awards: 35

Estimated Total Program Funding: \$5,000,000

Award Ceiling: \$750,000

Award Floor: \$100,000

Eligible Applicants: State governments; County governments; City or township governments; Public and State controlled institutions of higher education; Native American tribal governments (Federally recognized); Private institutions of higher education; International Organizations

Application Due Date: July 29, 2010

SUBSURFACE BIOGEOCHEMICAL RESEARCH GRANT

The Office of Science (SC), U.S. Department of Energy (DOE), seeks applications for research grants for Subsurface Biogeochemical Research (SBR), which is within the Climate and Environmental Sciences Division (CESD) in the Office of Biological and Environmental Research (BER). SBR seeks to advance fundamental science towards solutions to key DOE environmental challenges including carbon sequestration, contamination from past nuclear weapons production and a scientific basis for the long term stewardship of nuclear waste disposal.

Expected Number of Awards: 20

Estimated Total Program Funding: \$5,000,000

Award Ceiling: \$450,000

Award Floor: \$250,000

Eligible Applicants: Unrestricted

Application Due Date: July 15, 2010

AGRICULTURE AND FOOD RESEARCH INITIATIVE - SUSTAINABLE BIOENERGY

The U.S. Department of Agriculture requests proposals for the Agriculture and Food Research Initiative (AFRI) – Sustainable Bioenergy. This program will support projects that target the development of regional systems for the sustainable production of bioenergy and biobased products that: contribute significantly to reducing dependence on foreign oil; have net positive social, environmental, and rural economic impacts; and are compatible with existing agricultural systems. Areas of interest include: Regional Approaches to Sustainable Bioenergy; Regional Approaches to Sustainable Bioenergy – Planning; Sustainable Bioenergy Research; Investing in America's Scientific Corps - Stimulating a New Era of Students and Faculty in Bioenergy; National Loblolly Pine Genome Sequencing.

Expected Number of Awards: 50

Estimated Total Program Funding: \$40,000,000

Award Ceiling: \$40,000,000

Award Floor: \$0

Eligible Applicants: Public and State controlled institutions of higher education; Native American tribal organizations (other than Federally recognized tribal governments); Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education; Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education; Private institutions of higher education; Individuals; For profit organizations other than small businesses; Small businesses.

Application Due Date: This program has multiple deadline dates occurring throughout FY 2010 ranging from April 30 to September 15, 2010.

AGRICULTURE AND FOOD RESEARCH INITIATIVE - FOUNDATIONAL PROGRAMS

The U.S. Department of Agriculture requests proposals for Agriculture and Food Research Initiative – Foundational Programs. The Foundation Programs support research, education, and extension as well integrated programs that address key problems of national, regional, and multi-state importance in sustaining all components of agriculture, including farm efficiency and profitability, ranching, renewable energy, forestry (both urban and agroforestry), aquaculture, rural communities and entrepreneurship, human nutrition, food safety, biotechnology, and conventional breeding.

Expected Number of Awards: 125

Estimated Total Program Funding: \$64,000,000

Award Ceiling: \$750,000

Award Floor: \$0

Eligible Applicants: Public and State controlled institutions of higher education; Native American tribal organizations (other than Federally recognized tribal governments); Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education; Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education; Private institutions of higher education; Individuals; For profit organizations other than small businesses; Small businesses.

Application Due Date: This program has multiple deadline dates occurring throughout FY 2010 ranging from April 14 to August 23, 2010.

CLIMATE CHANGE AND WILDLIFE REFUGES

The U.S. Fish and Wildlife Service National Wildlife Refuge System, the National Conservation Training Center, the National Fish and Wildlife Foundation, and the National Wildlife Refuge Association, request proposals from organizations interested in initiating The Nature of Learning in their communities, a community-based environmental education initiative. The 2010 theme is Climate Change and Citizen Science, to support education projects focused on the causes and effects of climate change on refuges and build citizen science partnership programs.

Expected Number of Awards: To be determined

Estimated Total Program Funding: To be determined

Award Ceiling: \$10,000

Award Floor: To be determined

Eligible Applicants: Academic institutions or non-profit organizations, including "Friends" organizations; cooperative and interpretive associations; Audubon Chapters; youth organizations

Application Due Date: June 14, 2010

SMART GRID RESEARCH & DEVELOPMENT

The Department of Energy, National Energy Technology Laboratory (NETL) seeks proposals in support of the Smart Grid Research & Development (R&D) Program within the Office of Electricity Delivery and Energy Reliability (OE). The goal of the

Smart Grid R&D program is to develop an integrated, national electric/communication/information technology infrastructure with the ability to dynamically optimize grid operations and resources and incorporate demand response and consumer participation. Three Areas of Interest: 1) Integrated Distribution Management Systems for Distribution Automation; 2) Advanced Sensing, Monitoring, and Control Technologies for Enhanced Asset Utilization and Grid Reliability; 3) Voltage Regulation and Overvoltage Protection for High Penetration of Renewable Generation

Expected Number of Awards: Area of Interest 1 – 4, Area of Interest 2 and 3 – 3 each

Estimated Total Program Funding: \$30,000,000

Award Ceiling: Varies depending on Area of Interest

Award Floor: \$500,000

Eligible Applicants: Unrestricted.

Application Due Date: June 22, 2010

POWER, CONTROLS AND ADAPTIVE NETWORKS

The National Science Foundation requests proposals for Power, Controls and Adaptive Networks. This program supports distributed control of multi-agent systems with embedded computation for sensor and adaptive networks. This program emphasizes electric power networks and grids, including generation, transmission and integration of renewable, sustainable and distributed energy systems, such as fuel cells and micro-turbines in large power networks; high power electronics and drives; and understanding of associated regulatory and economic structures. The program also emphasizes energy scavenging and alternative energy technologies, including solar cells, ocean waves, wind, geothermal, low-head hydro, and the hydrogen economy. In addition, the program supports generation and integration in the National Grid (InterGrid), and interdependencies of critical infrastructure in power and communications.

Expected Number of Awards: To be determined

Estimated Total Program Funding: To be determined

Award Ceiling: To be determined

Award Floor: To be determined

Eligible Applicants: Unrestricted

Application Due: October 7, 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

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

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

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

RESEARCH AND DEVELOPMENT FOR NEXT GENERATION NUCLEAR PHYSICS ACCELERATOR FACILITIES GRANT

The U.S. Department of Energy, Office of Nuclear Physics (NP), Office of Science (SC), seeks applications for Research and Development (R&D) efforts directed at challenges for next generation NP accelerator facilities.

Expected Number of Awards: TBD
Estimated Total Program Funding: \$2,000,000
Award Ceiling: TBD
Award Floor: TBD
Eligible Applicants: Unrestricted
Application Due Date: June 8, 2010

CONSERVATION INNOVATION GRANTS GRANT

The U.S. Department of Agriculture, Natural Resources Conservation Service seeks applications for projects that stimulate the development and adoption of innovative conservation approaches and technologies while leveraging the Federal investment in environmental enhancement and protection in conjunction with agricultural production.

Expected Number of Awards: 10
Estimated Total Program Funding: \$75,000
Award Ceiling: \$75,000
Award Floor: \$0
Eligible Applicants: State governments; County governments; City or township governments; Special district governments; Public and State controlled institutions of higher education; Native American tribal governments (Federally recognized); Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education; Private institutions of higher education; Individuals; For profit organizations other than small businesses; Small businesses
Application Due Date: June 4, 2010

SMART GRID RESEARCH, DEVELOPMENT, AND DEMONSTRATION GRANT

The U.S. Department of Energy, Office of Electricity Delivery and Energy Reliability (OE) seeks proposals for projects that accelerate the deployment and integration of advanced digital systems that are needed to modernize the nation's electric delivery

network for enhanced interoperability and cyber security. The goal of the Smart Grid R&D Program is to develop an integrated, national electric/communication/information technology infrastructure with the ability to dynamically optimize grid operations and resources and incorporate demand response and consumer participation.

Expected Number of Awards: 11
Estimated Total Program Funding: \$30,000,000
Award Ceiling: \$6,000,000
Award Floor: \$500,000
Eligible Applicants: Unrestricted
Application Due Date: June 22, 2010

WEATHERIZATION INNOVATION PILOT PROGRAM GRANT

The U.S. Department of Energy seeks applications for the Weatherization Innovation Pilot Program for competitively selected innovative weatherization projects. This program intends to promote innovative ways to weatherize homes of low-income customers.

Expected Number of Awards: TBD
Estimated Total Program Funding: \$30,000,000
Award Ceiling: TBD
Award Floor: TBD
Eligible Applicants: State governments; County governments; City or township governments; Special district governments; Independent school districts; Public and State controlled institutions of higher education; Native American tribal governments (Federally recognized); Public housing authorities/Indian housing authorities; Native American tribal organizations (other than Federally recognized tribal governments); Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education; Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education; Private institutions of higher education; For profit organizations other than small businesses; Small businesses Non-profit entities such as community development organizations; for-profit entities; institutions of higher education; Indian tribe economic development entities; and, consortia of these entities. Examples of potential recipients include, but are not limited to, current WAP local weatherization service providers, utility companies, private contractors, industry groups, non-profit organizations, labor unions, community groups, and foundations.
Application Due Date: June, 2, 2010

RENEWABLE ENERGY SYSTEMS AND ENERGY EFFICIENCY IMPROVEMENTS

The Rural Energy for America Program will provide funds to agricultural producers and rural small businesses to purchase and install renewable energy systems and make energy efficiency improvements. The grants are awarded on a competitive basis and can be up to 25% of total eligible project costs. Grants are limited to \$500,000 for renewable energy systems and \$250,000 for energy efficiency improvements. Grant requests as low as \$2,500 for renewable energy systems and \$1,500 for energy efficiency improvements will be considered. At least 20% of the grant funds awarded must be for grants of \$20,000 or less.

Award Ceiling: \$500,000

Award Floor: \$1,500

Eligible Applicants: agricultural producers and rural small businesses; all agricultural producers, including farmers and ranchers, who gain 50% or more of their gross income from the agricultural operations are eligible. Small businesses that are located in a rural area can also apply. Rural electric cooperatives may also be eligible to apply.

Application Due Date: June 30, 2010

RECOVERY ACT - FY 2010 DEPARTMENT OF ENERGY SBIR/STTR PHASE II FUNDING OPPORTUNITY ANNOUNCEMENT GRANT

The U.S. Department of Energy invites all currently active DOE SBIR or STTR Phase I recipients working under the DOE Funding Opportunity Number: DE-PS02-09ER09-27 to apply to this Phase II Funding Opportunity Announcement (FOA). Projects under this FOA will be funded in whole or in part, with funds appropriated by the American Recovery and Reinvestment Act of 2009. Phase II is the principal R&D effort.

Expected Number of Awards: 58

Estimated Total Program Funding: \$58,000,000

Award Ceiling: \$1,000,000

Award Floor: \$1

Eligible Applicants: currently active DOE SBIR or STTR Phase I recipients working under the DOE Funding Opportunity Number: DE-PS02-09ER09-27

Application Due Date: June 7, 2010

BIOMASS RESEARCH AND DEVELOPMENT INITIATIVE GRANT

The U.S. Department of Energy in partnership with the U.S. Department of Agriculture seek pre-applications that integrate all three of the following technical areas: 1) Feedstocks Development and Research; 2) Biofuels and Biobased Products Development – Research; and 3) Biofuels Development Analysis and Methods to quantify the proposed technology and/or the project's positive impact on sustainability and on the environment.

Expected Number of Awards: 5-9

Estimated Total Program Funding: \$33,000,000 (estimated)

Award Ceiling: \$7,000,000

Award Floor: \$3,000,000

Eligible Applicants: Public and State controlled institutions of higher education Nonprofits; Private institutions of higher education; National Laboratory; a Federal research agency; a State research agency; a private sector entity

Application Due Date: July 13, 2010

ECONOMICS OF MARKETS FOR AGRICULTURAL GREENHOUSE GASES

The U.S. Department of Agriculture seeks proposals for economic research in three broad areas related to U.S. agricultural participation in proposed greenhouse gas markets. The research should focus on the economics of agricultural activities and practices, including agricultural land use, that increase carbon sequestration or reduce greenhouse gas emissions. Three research areas: 1) estimates of supply curves of greenhouse gas reductions from U.S. agriculture; 2) the integrity of agricultural greenhouse gas reductions procured through markets, including provisions designed to enhance this integrity; and 3) the role of non-neoclassical behavior in the provision of agricultural greenhouse gas reductions through markets.

Expected Number of Awards: 5

Estimated Total Program Funding: \$500,000

Award Ceiling: \$150,000

Award Floor: \$50,000

Eligible Applicants: Unrestricted

Application Due Date: June 14, 2010