

Energy Policy Update

Energy and Environmental News

November 2, 2009



ARIZONA DEPARTMENT
OF COMMERCE

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economic advancement*

This newsletter is published by the Arizona Department of Commerce Energy Office and is provided free of charge to the public. It contains verbatim excerpts from international and domestic energy and environment-related publications reviewed by the Education and Community Outreach personnel. For inquiries, call **(602) 771-1143** or toll free **(800) 352-5499**. Compiled and edited by Gloria Castro, Special Projects Coordinator. To register to receive this newsletter electronically, email [Gloria Castro](mailto:Gloria.Castro).

For additional program information, access: <http://www.azcommerce.com/Energy/Energy+Policy+Update+-%28Monthly+Publication%29.htm>.

Click [here](#) to view [Grant Opportunities](#) from the American Recovery and Reinvestment Act (ARRA).

FOR YOUR CONVENIENCE, ARIZONA-RELATED TITLES ARE HIGHLIGHTED IN BLUE

ARIZONA

APS to Invest \$500 Million in Solar-Power Projects

[Arizona Republic, Oct. 29] Arizona Public Service Co. announced Thursday the company plans to invest \$500 million in new solar-power projects through a program called Arizona Sun. CEO Don Brandt was asked during a conference call with investors about the recent cancellation of a major solar plant in Arizona that Lockheed Martin Corp. planned to build.

New Hybrid Cab Company Opens in Mesa

[Arizona Republic, Oct. 30] A new taxicab service in Mesa offers green-friendly cabs. Clean Air Cab, offers transportation with a fleet of 26 Toyota Priuses, a popular fuel-efficient hybrid vehicle. Steve Lopez, who owns the company, claims he is the only all-green taxicab fleet in the state.

Rate Increase Helps APS Boost Profits 23%

[Arizona Republic, Oct. 29] An emergency rate increase and the hottest month ever in the state helped Arizona Public Service Co.'s parent company boost profits 23 percent from July to September, it reported Thursday. APS still is trying to get a rate hike it applied for in early 2008 approved through the Arizona Corporation Commission, but was given part of the hike on an emergency basis in December.

Solar Community to be One of Largest in US

[Arizona Daily Star, Oct. 29] Davis-Monthan Air Force Base is poised to become a power player in the world of green energy. Work is under way on a massive solar installation that will generate enough juice to power about 900 households on the military base, making D-M home to one of the largest solar-powered communities in the country.

Solar Roadmap Lights the Way

[Arizona Republic, Oct. 29] If you want to be sure of reaching a destination, you need a map. It's the same with an ambitious goal like ramping up solar energy in America. Last Thursday, the U.S. House approved a bill to create a "Solar Technology Roadmap" that would provide much-needed focus and resources. A committee, including representatives of the solar-power industry, would lay out the research-and-development needs for the next 15 years. The roadmap would be updated and revised regularly. The bill would authorize funding for R&D and demonstration projects, ramping up from \$350 million in fiscal 2011 to \$550 million in 2015.

SRP Gets \$56.9M Boost from Feds for Customer 'Smart Meters'

[Arizona Republic, Oct. 27] Salt River Project will receive a \$56.9 million grant from the federal Recovery Act to speed up the installation of "smart meters" for customers, the Energy Department announced Tuesday. The money is part of \$3.4 billion in grants President Obama announced Tuesday for 100 companies to help develop a more reliable, efficient electricity transmission grid across the country. SRP, which has about 935,000 customers, already has installed more than 400,000 smart meters, and will accelerate the program with the grant.

U.S. Rep. Gabrielle Giffords Applauds Upgrades to Nation's Electricity Grid

[Congressman Gabrielle Giffords website, Oct. 27] Washington, D.C. - U.S. Rep. Gabrielle Giffords today enthusiastically welcomed President Obama's announcement that a Benson utility will receive more than \$32 million as part of a sweeping federal project to modernize the nation's aging electric grid. Southwest Transmission Cooperative Inc., based in Benson, will receive \$32,244,485 in federal stimulus funding from the U.S. Department of Energy. The cooperative is among 100 utility projects that will share \$3.4 billion in federal money to speed deployment of advanced technology designed to cut energy use and make the electric-power grid more robust.

ALTERNATIVE ENERGY AND EFFICIENCY

Department of Energy and National Labs Release New Data on Commercial Building Energy Goals

[U.S. Dept. of Energy, EERE website, Oct. 27] The U.S. Department of Energy (DOE) and the DOE national laboratories are releasing technical support documents that suggest how to achieve 50% energy savings in four key commercial building sectors. This is taking place less than two years after launching the Net-Zero Energy Commercial Building Initiative, which aims to achieve marketable net-zero energy commercial buildings by 2025. The technical support documents were created by the DOE national laboratories under the direction of DOE's Building Technologies Program. They describe the assumptions, methodologies, and analyses used to reach 50% energy savings over ASHRAE/IESNA Standard 90.1-2004 in general merchandise, grocery store, lodging, and medium office buildings

Record Reached in Solar Panel Efficiency

[UPI, Oct. 26] San Jose, CA - California-based solar energy company SunPower Corp. announced Monday it produced a world-record, full-sized solar panel with more than 20 percent efficiency. SunPower said its 17.2 square-foot solar panel has a cell efficiency of 20.4 percent, which was confirmed independently by the National Renewable Energy lab.

LEGISLATION AND REGULATION

Obama Putting \$3.4B toward a 'Smart' Power Grid

[Associated Press, Oct. 27] Arcadia, FL - President Barack Obama made a pitch for renewable energy Tuesday, announcing \$3.4 billion in government support for 100 projects aimed at modernizing the nation's power grid. Touring a field of solar energy panels in west-central Florida, the president urged greater use of several technologies to make America's power transmission system more efficient and better suited to the digital age. The projects include installing "smart" electric meters in homes, automating utility substations, and installing thousands of new digital transformers and grid sensors.

White House Steps Up Climate Efforts

[New York Times, Oct. 27] Washington, D.C. - The Obama administration and some Senate Democrats expressed fresh urgency on Tuesday about the need to address climate change and refashion the nation's energy economy. But they faced determined opposition from Republicans, new concerns from some Democrats and reminders of the financial, technological and political hurdles in remaking the way the nation produces and consumes power

ENERGY-GENERAL

Exxon, Majors Battle to Lift Profits as Oil Use Sags (Update1)

[Bloomberg, Oct. 30] Exxon Mobil Corp., PetroChina Co. and Royal Dutch Shell Plc are battling slumping fuel demand as oil majors seek to rebuild profits battered by the global fallout from the worst U.S. downturn since the Great Depression. Exxon Mobil's U.S. refineries lost about \$2.3 million a day last quarter as gasoline and diesel

prices fell. Shell, whose refining earnings declined 47 percent, said the plunge in demand will keep profit margins narrow in “the short and medium term” and a quick recovery in energy usage and prices is unlikely.

Recession Slows Electricity Demand and Renewable Energy Growth, NERC Finds

[New York Times, Oct.29] The recession and increased energy conservation have slammed the brakes on the growth of electricity use in North America over the past year, according to a new forecast by the grid's reliability overseer. A year ago, the North American Electric Reliability Corp. had predicted that total electric power consumption in the United States and Canada's southern provinces would top 4,700 gigawatt-hours this year. In its annual long-term assessment released yesterday, NERC predicted that total would not be reached until 2011, two years later. NERC's new forecast of the annual increase in electricity demand has dropped below 1.5 percent per year. Four years ago, it was predicting annual electricity growth of nearly 2 percent.

ENERGY-RELATED ENVIRONMENT

Water Use in the US Less in 2005 Than in 1975

[Environmental News Network, Oct. 29] Just when you think all human activities are making the environment worse, news comes that our efforts to improve efficiency and reduce environmental impacts (Our environmental footprint) are doing some good. According to a new U.S. Geological Survey report, the U S is using less water now than during the peak years of 1975 and 1980, despite a 30 percent population increase during the same time period. The report shows that in 2005 Americans used 410 billion gallons per day, slightly less than in 2000. The declines are attributed to the increased use of more efficient irrigation systems and alternative technologies at power plants. Water withdrawals for public supply have increased steadily since 1950--when USGS began the series of five-year trend reports--along with the population that depends on these supplies

WESTERN POWER

China-U.S. Group Plans to Build Texas Wind Farm

[New York Times, Oct. 29] A consortium of Chinese and American companies announced a joint venture on Thursday to build a 600-megawatt wind farm in West Texas, using turbines made in China. Construction of the \$1.5 billion wind farm will be financed largely by Chinese banks, with the help of loan guarantees and cash grants from the United States government.

Court Orders DOE to Reconsider Calif. Washing-Machine Standard

[New York Times, Oct. 30] San Francisco, CA - The Energy Department must reconsider California's energy- and water-saving standards for residential washing machines, a federal court ruled this week. The 9th U.S. Circuit Court of Appeals here Wednesday [overturned](#) (pdf) DOE's 2006 decision denying California a waiver from the federal Energy Policy and Conservation Act of 1975. On the books since 2002, the rule would require washers sold in 2007 to use no more than 8.5 gallons of water per cubic foot of washing machine capacity, falling to 6 gallons by 2010.

NV Energy and Western Area Power Administration Sign M.O.U. to Study Nevada to California/Southwest Transmission Projects

[MSN Money, Oct. 30] NV Energy, Inc. NVE and the Western Area Power Administration (Western) have signed a Memorandum of Understanding under which the parties intend to explore the potential development of 500-kilovolt transmission lines and associated facilities to access renewable energy resources and deliver those resources to electricity users in Nevada, California, Arizona and other markets in the Southwest U.S.

Wind Energy Loads Western Power Grid

[UPI, Oct. 30] Portland, OR - Aging transmission lines and power stations in western U.S. states are loaded to the limit with power from wind turbines, authorities said. Future wind projects mean the region's electrical grid must be expanded, which won't be without controversy, said Brent Fenty, who heads the Oregon Natural Desert Association, which is tracking transmission proposals.

INDUSTRIES AND TECHNOLOGIES

High Tech Greens the Internet: Net Neutrality and the Smart Grid

[Environmental News Network, Oct. 30] The high tech industry will play a significant role in the battle to reduce greenhouse gas emissions as long as the Internet remains a level playing field. The opportunities for software companies to innovate in the energy generation and energy efficiency sectors are substantial if the priority of traffic over the Internet remains neutral (i.e., the FCC adopts net neutrality rules).

Recovery Act Announcement: Department of Energy Awards \$338 Million to Accelerate Domestic Geothermal Energy

[U.S. Dept. of Energy, EERE website, Oct. 29] U.S. Department of Energy (DOE) Secretary Steven Chu today announced up to \$338 million in Recovery Act funding for the exploration and development of new geothermal fields and research into advanced geothermal technologies. These grants will support 123 projects in 39 states, with recipients including private industry, academic institutions, tribal entities, local governments, and DOE's national laboratories. The grants will be matched more than one-for-one with an additional \$353 million in private and non-Federal cost-share funds.

Report Argues for a Decentralized System of Renewable Power Generation

[New York Times, Oct. 30] Most states could meet their demand for electricity with renewable energy sources inside their own borders, according to a new report from the Institute for Local Self-Reliance, a nonprofit group in Washington that advocates for local sustainability solutions. The report, called Energy Self-Reliant States, examined the commercial potential for wind, rooftop solar, geothermal and small-scale hydro projects. Thirty-one states, mostly west of the Mississippi, could meet all their electric demand, and all states could generate at least 25 percent of their demand using these in-state resources, the authors of the report suggest. Of the 36 states with current renewable energy goals or mandates, all could meet these goals by relying on in-state renewable fuels, the report found.

GASOLINE AND DIESEL FUEL

To view Arizona and U.S. Gasoline and Diesel fuel data plus other pertinent oil information click [here](http://www.azcommerce.com/Energy/MotorFuel/).
<http://www.azcommerce.com/Energy/MotorFuel/>

GRANTS

The RFPs created or supplemented as a result of the American Recovery and Reinvestment Act (Recovery Act) are identified in the RFP titles.

NEW! Energy Efficiency and Conservation Block Grants - Recovery Act

The U.S. Department of Energy requests proposals for Recovery Act: Energy Efficiency and Conservation Block Grants: Competitive Solicitation: Retrofit Ramp-up and General Innovation Fund Programs. Areas of interest include: 1) Retrofit Ramp-Up - For innovative programs that are structured to provide whole-neighborhood building energy retrofits. These will be projects that demonstrate a sustainable business model for providing cost-effective energy upgrades for a large percentage of the residential, commercial, and public buildings in a specific community, and 2) General Innovation Fund - For projects that help expand local energy efficiency efforts and reduce energy use in the commercial, residential, transportation, manufacturing, or industrial sectors. \$453.7 million expected to be available, up to 80 awards anticipated. Letters of Intent are requested but not required and are due 11/19/09. Final proposals due 12/14/09. For more info, contact Karen Bahan at karen.bahan@emcbc.doe.gov or go to:

<https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000148&agency=DOE>.

Refer to Sol# DE-FOA-0000148. (Grants.gov 9/14/09)

NEW! Environmental Education

The U.S. Environmental Protection Agency requests proposals for Environmental Education Grants. This program supports environmental education projects that promote environmental stewardship and help develop knowledgeable and responsible students, teachers, and citizens. \$3 million expected to be available, up to 95 awards anticipated. Responses due 12/15/09. For more info, including Regional contacts, go to:

<http://www.epa.gov/enviroed/grants.html>. Refer to Sol# EPA-EE-10-02. (Grants.gov 10/29/09)

NEW! National Clean Diesel Funding Assistance Program

The U.S. Environmental Protection Agency requests proposals for the National Clean Diesel Funding Assistance Program. Through this program, EPA seeks projects that will achieve significant reductions in diesel emissions in terms of tons of pollution produced and diesel emissions exposure, particularly from fleets operating in designated poor air quality areas. \$64 million expected to be available, up to 80 awards anticipated. Responses due 12/8/09. For more info, contact Faye Swift at swift.faye@epa.gov or go to: http://www.epa.gov/air/grants_funding.html. Refer to Sol# EPA-OAR-OTAQ-09-10. (Grants.gov 10/6/09)

NEW! SmartWay Clean Diesel Finance Program

The U.S. Environmental Protection Agency requests proposals for the SmartWay Clean Diesel Finance Program. This program will support projects that reduce diesel emissions through the creation of national, tribal, regional, state or local finance program(s). As an example, programs that provide the loan recipient with a specific financial incentive to purchase or lease eligible retrofitted vehicles or equipment. \$12 million expected to be available, up to 6 awards anticipated. Responses due 12/8/09. For more info, contact Annie Kee at kee.annie@epa.gov or go to: http://www.epa.gov/air/grants_funding.html. Refer to Sol# EPA-OAR-OTAQ-09-13. (Grants.gov 10/13/09)

NEW! Clean Diesel Emerging Technologies

The U.S. Environmental Protection Agency requests proposals for the Clean Diesel Emerging Technologies Funding Assistance Program. Eligible diesel emission reduction solutions are listed at: <http://www.epa.gov/otaq/diesel/prgemerglist.htm>. \$8 million expected to be available, up to 10 awards anticipated. Responses due 12/8/09. For more info, contact Jennifer Went at went.jennifer@epa.gov or go to: http://www.epa.gov/air/grants_funding.html. Refer to Sol# EPA-OAR-OTAQ-09-12. (Grants.gov 10/8/09)

NEW! Environmental Justice Small Grants Program

The U.S. Environmental Protection Agency requests proposals for the Environmental Justice Small Grants Program. This program supports projects that addresses a local environmental and public health issue within an affected community. There is a well-established scientific consensus that climate change will cause disproportionate impacts upon vulnerable populations. Therefore, this year the program will emphasize the disproportionate impacts of climate change in communities with environmental justice concerns. Areas of interest include, but are not limited to: Energy efficiency, renewables, water efficiency, Green jobs and green economy capacity building, and smart growth. \$1 million expected to be available, up to 40 awards anticipated. Responses due 1/8/10. For more info, including Regional contacts, go to: <http://www.epa.gov/compliance/environmentaljustice/grants/ej-smgrants.html>. Refer to Sol# EPA-OECA-OEJ-10-01. (Grants.gov 10/28/09)

NEW! CO₂ Capture and Separation for Coal-Fired Power Plants

The U.S. Department of Energy requests proposals for Bench-Scale and Slipstream Development and Testing of Post-Combustion Carbon Dioxide Capture and Separation Technology for Application to Existing Coal-Fired Power Plants. This RFP focuses on the development of technologies for CO₂ capture and purification that can be retrofitted to existing pulverized coal power plants. \$55 million expected to be available, up to 11 awards anticipated. Responses due 12/15/09. For more info, contact Thomas Gruber at thomas.gruber@netl.doe.gov or go to: <https://www.fedconnect.net/FedConnect?doc=DE-FOA-0000131&agency=DOE>. Refer to Sol# DE-FOA-0000131. (Grants.gov 10/14/09)

NEW! Clean Air Research Centers

The U.S. Environmental Protection Agency requests proposals for Clean Air Research Centers. This RFP will support integrated, multidisciplinary research centers that will advance understanding on the health effects of exposure to particulate matter, ozone, and other air pollutants. \$32 million expected to be available, up to 4 awards anticipated. Responses due 11/18/09. For more info, contact Stacey Katz at katz.stacey@epa.gov or go to: http://epa.gov/ncer/rfa/2009/2009_star_clean_air.html. Refer to Sol# EPA-RC2009-STAR-C1. (Grants.gov 10/20/09)

NEW! School Indoor Air Quality – Region 3

The U.S. Environmental Protection Agency, Region 3, requests proposals for Indoor Air Quality Projects. This RFP will support projects that assist schools to address their indoor environmental concerns, such as the development of a proactive IAQ management plan, Tools for Schools, or other equivalent IAQ plans. \$375K expected to be available, up to 3 awards anticipated. Responses due 11/20/09. For more info, contact Cristina Schulingkamp at schulingkamp.cristina@epa.gov or go to: <http://www.epa.gov/reg3artd/Indoor/rfa-iaq-2010.html>. Refer to Sol# EPA-R3-APD-10-01. (Grants.gov 10/16/09)

NEW! PV Install – Arizona – Recovery Act

The U.S. Department of the Interior requests proposals to provide and install a 15 KW Solar PV electric generation systems at Cibola and Imperial National Wildlife Refuges, and an alternate at the KOFA Refuge. Responses due 11/9/09. For more info, contact Todd Annes at todd_annes@fws.gov or go to: https://www.fbo.gov/?s=opportunity&mode=form&tab=core&id=1d2941e87ce88be56614e7f59fc75c67&_cview=0. Refer to Sol# 20181RR011. (FBO 10/17/09)

NEW! Community Health

The National Association of County and City Health Officials (NACCHO) requests proposals for Action Communities for Health, Innovation, and Environmental Change (ACHIEVE). This program seeks to strengthen community coalitions to develop an action plan that addresses comprehensive chronic disease prevention through policy, systems, and environmental change strategies. Areas of interest include, but are not limited to, increasing farmers markets, fresh fruits and vegetables, and community gardens for residents; and increasing healthy food choices in restaurants, grocery stores, worksites, and schools. Responses due 12/4/09. For more info, go to: <http://www.naccho.org/topics/HPDP/chronicdisease/index.cfm>.

NEW! Home Depot Grants

Home Depot requests applications for the Building Healthy Communities Grant Program. This program supports community improvement projects that include, but are not limited to: Improving energy efficiency and sustainability; landscaping and planting native trees; community facility improvements; and the development and/or improvement of green spaces. Individual awards NTE \$1.5K. Responses due 12/15/09. For more info, go to: <http://corporate.homedepot.com/wps/portal/Grants>. (Foundation Center RFP Bulletin 10/23/09)

Support of Advanced Coal Research at U.S. Colleges

To develop and sustain a national program of university research, the DOE is interested in innovative and fundamental research pertinent to coal conversion and utilization. This year, research is limited to three broad areas: Computational Energy Sciences, Material Science, and Novel Materials for Sensing or Monitoring in Extreme Environments of Fossil Energy Systems. An application must propose research that is responsive to one of these areas. Reference Number: DE-FOA-0000146 Response Due Date: 11/24/2009 8:00:00 PM ET Use the following link to view this opportunity: <https://www.fedconnect.net/fedconnect?doc=DE-FOA-0000146&agency=DOE>

Commercial Renewable Power Generation

US Department of Energy Financial Institutional Partnership Program (FIPP) for Commercial Renewable Power Generation Solicitation - Solicitation Reference Number: DE-FOA-0000166 Response Due Date: 11/23/2009 11:59:00 PM ET. Use the following link to view this opportunity: <https://www.fedconnect.net/fedconnect?doc=DE-FOA-0000166&agency=DOE>

People, Prosperity and the Planet

The U.S. Environmental Protection Agency requests proposals for the 7th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet. P3 supports R&D and design solutions to real world challenges involving the overall sustainability of human society. Areas of interest include: Energy, Built Environment, Materials and Chemicals, Water, and Agriculture. \$850K expected to be available, up to 46 awards anticipated. Responses due 1/5/10. For more info, contact [Cynthia L. Nolt-Helms](mailto:Cynthia.L.Nolt-Helms@epa.gov) at nolt-helms.cynthia@epa.gov or go to: http://epa.gov/ncer/rfa/2010/2010_p3.html. Refer to Sol# EPA-G2010-P3. (Grants.gov 8/28/09)

Electric Power Sector Workforce Training - Recovery Act

The U.S. Department of Energy requests proposals for Workforce Training for the Electric Power Sector. This initiative will support the development of a well-trained, highly skilled electric power sector workforce which is vital to implementing a national clean-energy smart grid. \$100 million expected to be available, up to 45 awards anticipated. Responses due 11/30/09. For more info, contact John Wiltshire at [John J. Wiltshire@RL.gov](mailto:John_J_Wiltshire@RL.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=49601>. Refer to Sol# DE-FOA-0000152. (Grants.gov 9/21/09)

DOE SBIR/STTR Phase I

The U.S. Department of Energy requests proposals for Small Business Innovation Research (SBIR) Small Business Technology Transfer Phase I. SBIR/STTR supports R&D from small businesses concerning scientific or engineering problems and opportunities that are likely to lead to significant public benefit if the research is

successful. 68 topics of interest identified, which include, but are not limited to: Hydrogen, Fuel Cells, and Infrastructure Technologies; Geothermal, Wind and Solar Technology Development; Production of Biofuels from Cellulosic Biomass; Technologies Related to Energy Storage for Hybrid and Plug-in Electric Vehicles; Transitional Technologies for Solid State Lighting; Energy Efficient Membranes for Industrial Applications; Hydrogen Safety, Storage, Delivery, and Production; Climate Control Technology for Fossil Energy Applications; Carbon Cycle Measurements of the Atmosphere and the Biosphere; Enhanced Availability of Climate Model Output; and Atmospheric Measurement Technology. \$36 million expected to be available, up to 360 awards anticipated. Responses due 11/20/09. For more info, contact Carl Hebron at sbir-sttr@science.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=49632>. Refer to Sol# DE-FOA-0000161. (Grants.gov 9/24/09)

DOT SBIR Phase I

The U.S. Department of Transportation requests proposals for the Small Business Innovation Research Program Phase I. Through SBIR, small businesses are invited to submit innovative research proposals that address high priority requirements of the U.S. DOT. Areas of interest include, but are not limited to: Safer, Greener, User-Friendly Bus and Rail Transit, and Expert System Traffic Signal Analysis Tools. Responses due 11/16/09. For more info, contact Darren Shaffer at DARREN.SHAFER@DOT.GOV or go to: https://www.fbo.gov/index?s=opportunity&mode=form&id=da99113ce332478f65d6c56e0ca2564c&tab=core&_cview=1. Refer to Sol# DTRT57-10-SBIRI. (FBO 10/1/09)

NSF SBIR Phase I

The National Science Foundation requests proposals for Phase I Small Business Innovation Research Program Phase I. This program seeks to stimulate technological innovation in the private sector by strengthening the role of small business concerns in meeting Federal research and development needs, increasing the commercial application of federally supported research results, and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. Areas of interest include, but are not limited to: Biotech and Chemical Technologies, Nanotechnology, Advanced Materials, and Manufacturing. \$45 million expected to be available, up to 300 awards anticipated. Responses due 12/3/09. For more info, including topic-specific contacts, go to: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf09609. Refer to Sol# 09-609. (Grants.gov 8/31/09)

Soldiers and Portable Fuel Cells

The U.S. Department of the Air Force announces its intent to requests proposals to evaluate existing soldier portable fuel cell technology in the 50W power level and continue to develop this technology in areas including, but not limited to, ruggedization, reliability, energy/power density and improved startup time. The offerors must be able to demonstrate that a feasible approach exists for improving upon the current state of the art. Mission parameters dictate that any solution should be designed with a 72hr mission in mind. \$6.2 million expected to be available. For more info, contact Mary Lykins at mary.lykins@wpafb.af.mil or go to: https://www.fbo.gov/index?s=opportunity&mode=form&id=61a8f53d304cb028c6edea06485f8ee5&tab=core&_cview=1. Refer to BAA-03-05-PRK, Amendment 17. (FBO 9/24/09)

Green and Healthy Homes

The U.S. Department of Housing and Urban Development requests proposals for the Green and Healthy Homes and Technical Studies Program. Through this RFP, HUD seeks to improve knowledge of the effects residential green construction has on both indoor environmental quality and occupant health, with a particular focus on children and other sensitive populations. It is expected that benefits would be most likely observed for respiratory health outcomes and reductions in irritation-related symptoms. \$2.4 million expected to be available, up to 7 awards anticipated. Responses due 11/17/09. For more info, contact Peter Ashley at Peter.J.Ashley@hud.gov or go to: <http://www.hud.gov/offices/adm/grants/nofa09/grplead.cfm>. Refer to Sol# FR-5300-N-20. (Grants.gov 9/22/09)

Healthy Homes Demonstration

The U.S. Department of Housing and Urban Development requests proposals for the Healthy Homes Demonstration Program. This program supports methods for identifying and controlling key housing-related environmental health and safety hazards; builds local capacity to operate sustainable programs that will prevent and control housing-related environmental health and safety hazards in low- and very low-income residences when HUD funding is exhausted; and affirmatively further fair housing and environmental justice. Hazard areas include, but are not limited to: Mold and Moisture; Combustion Products of Heating and Cooking; Lack of Security, Recreational Opportunities, or Green Space; Lead-Based Paint Poisoning; and Radon. \$6 million expected to be available, up to 10 awards anticipated. Responses due 11/24/09. For more info, contact Peter Ashley at Peter.J.Ashley@hud.gov or go to: <http://www.hud.gov/offices/adm/grants/nofa09/grplead.cfm>.

Refer to Sol# FR-5300-N-17. (Grants.gov 9/21/09)

Lead Hazard Control Capacity Building

The U.S. Department of Housing and Urban Development requests proposals for the Lead Hazard Control Capacity Building Program. This program supports the development of infrastructure necessary to undertake comprehensive programs to identify and control lead-based paint hazards in privately owned rental or owner-occupied housing. \$1.7 million expected to be available, up to 30 awards anticipated. Responses due 11/19/09. For more info, contact Peter Ashley at Peter.J.Ashley@hud.gov or go to: <http://www.hud.gov/offices/adm/grants/nofa09/grplead.cfm>.

Refer to Sol# FR-5300-N-31. (Grants.gov 9/22/09)

Urban and Community Forestry Challenge

The U.S. Department of Agriculture requests proposals for the National Urban and Community Forestry Challenge Cost Share Grant Program. This program supports urban and community forestry projects that will demonstrate the reach, resources, and expertise needed to address four priority areas in ways that lead to meaningful, replicable results. Priority areas include: Energy Conservation, Climate Change, Public Health, and Green Infrastructure Assessment. \$900K expected to be available, up to 10 awards anticipated. Pre-proposals are required and are due 12/15/09, final proposals due 3/17/10. For more info, contact Nancy Stremple at nstremple@fs.fed.us or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=49602>.

Refer to Sol# USDA-FS-UCF-01-2010. (Grants.gov 9/21/09)

Value-Added Producer Grant Program

The U.S. Department of Agriculture requests proposals for the Value-Added Producer Grant Program. This program provides support to the agriculture community to develop strategies to create marketing opportunities and business plans for viable marketing opportunities. Ventures must be limited to emerging markets and new markets for value-added products. This may include, but is not limited to: Alternative uses of agricultural products, processing of agricultural commodities to produce bio-materials, green chemicals, on-farm renewable energy, and biofuels. \$1.84 million expected to be available, up to 130 awards anticipated. Responses due 11/30/09. For more info, contact Tracey Kennedy at CPGrants@wdc.usda.gov or go to: <http://www.rurdev.usda.gov/rbs/coops/vadg.htm>.

Refer to Sol# RDBCP-09-VAPG. (Grants.gov 9/1/09)

Water and Wastewater

The U.S. Department of Agriculture requests proposals for the Technical Assistance and Training (TAT) Grant Program. This program supports projects that identify and evaluate solutions to water and waste disposal problems in rural areas, assist applicants in preparing applications for water and waste grants made at the State level offices, and improve O&M of existing water and waste disposal facilities in rural areas. \$17 million expected to be available, up to 11 awards anticipated. Responses due 12/31/09. For more info, contact Anita Obrien at anita.obrien@wdc.usda.gov or go to: <http://www.usda.gov/rus/water/tatg.htm>.

Refer to Sol# RDUP-TAT-09302009-FY10. (Grants.gov 9/30/09)

Solid Waste Management

The U.S. Department of Agriculture requests proposals for the Solid Waste Management Grant Program. This program supports projects that assist communities through free technical assistance and/or training geared towards reducing or eliminating pollution of water resources in rural areas, and improve planning and management of solid waste sites in rural areas. \$3.4 million expected to be available, up to 40 awards anticipated. Responses due 12/31/09. For more info, contact LaVonda Pernell at lavonda.pernell@wdc.usda.gov or go to: <http://www.usda.gov/rus/water/SWVG.htm>.

Refer to Sol# RDUP-SWMGRANT-093009-FY20. (Grants.gov 9/30/09)

Brownfields Job Training

The U.S. Environmental Protection Agency requests proposals for Brownfields Job Training Grants. This program supports the delivery of environmental job training to communities that currently receive, or have received, financial assistance from EPA for brownfields-related work. \$2.6 million expected to be available, up to 13 awards anticipated. Responses due 12/1/09. For more info, including Regional contacts, go to: <http://www.epa.gov/oswer/grants-funding.htm#EPA-OSWER-ORCR-09-07>.

Refer to Sol# EPA-OSWER-OBLR-09-07. (Grants.gov 9/30/09)

Building Engineered Complex Systems

The National Science Foundation requests proposals for Building Engineered Complex Systems. This initiative will support small teams of innovative engineers and mathematical scientists to seek and develop a theoretical

basis of complex systems, with the aim of developing formal methods for the design of engineered complex systems. Examples included, but were not limited to: Power grids, manufacturing and service enterprises, and environmental systems. \$4 million expected to be available, up to 20 awards anticipated. Responses due 1/19/10. For more info, go to: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf09610. Refer to Sol# 09-610. (Grants.gov 9/22/09)

Renewables and RECs – Arizona

Tucson Electric Power Inc. and UNS Electric Inc. seek approximately 50,000 MWh of eligible solar energy resources and the associated RECs to meet Arizona RPS requirements. Responses due 11/30/09. For more info, contact Harold Judd at hjudd@acciongroup.com or go to: <http://www.uesaz.com/wholesale/>. (Green Power Network 9/29/09)

Special thanks to the Washington State University Extension Energy Program for collecting this information.
