

# FEDERAL GRANT OPPORTUNITIES

*updated 9/17/10*

*\*new opportunities or changes highlighted\**

## Open grants & deadlines:

- **FY 2009 Global Climate Change Mitigation Incentive Fund (GCCMIF)**
- **Federal Loan Guarantees for Projects that Employ Innovative Energy Efficiency, Renewable Energy, & Advanced Transmission & Distribution Technologies** (*September 14, 2009-August 24, 2010; November 13, 2009-December 31, 2010*)
- **Photovoltaic (PV) Manufacturing Initiative** (*Questions Due; September 27, 2010; Full Application Due Date: October 10, 2010*)
- **Energy Production with Innovative Methods of Geothermal Heat Recovery** (*Pre-application due October 1, 2010, Application due November 30, 2010*)
- **Advanced Hydropower Technology Development and Deployment** (*October 1, 2010*)
- **Renewable Energy Feasibility Grants** (*October 5, 2010*)
- **Fundamental Research Program for Industry/University Cooperative Research Centers (FRP)** (*February 2, 2011*)
- **Control Systems** (*October 1, 2010*)
- **Turkey - ISTAC Waste-To-Energy Plant Feasibility Study** (*Responses Due: October 18, 2010*)
- **China - Distributed Energy Combined Cooling, Heat and Power Tri-generation Model Projects** (*Responses Due: October 18, 2010*)
- **Vocational Training and Education for Clean Energy (VOC TEC)** (*October 27, 2010*)

## **FY 2009 Global Climate Change Mitigation Incentive Fund (GCCMIF)**

- Applications due: Rolling basis
- Visit <http://www.eda.gov/> for additional information and for any programming changes
- GCCMIF established to strengthen the link between economic development and environmental quality
- GCCMIF finances projects that foster economic development by advancing the green economy in distressed communities
- Applications are competitive, based on the Economic Development Association's standard eligibility and distress criteria, investment policy guidelines, and funding priority considerations
- Projects must achieve the same job and capital investment outcomes as traditional EDA investments
- Project must be one of the following:
  - Renewable energy (wind, solar, biomass, and geothermal)
  - Energy efficiency
  - Reuse/Recycling/Restoration (reuse of a given product or production of a new or innovative product for recyclable materials; also includes ecosystem restoration)
  - Green building (new construction or renovation certified by USGBC in LEED or comparable certificate program)
- Must result with outputs:
  - Development and/or manufacture of green end-product that furthers or contributes to sustainability and/or environmental quality (activity, item, plan, or program)
  - Greening of an existing function or process (investments that result in green enhancements to the resource, energy, water, and/or waste efficiency of an existing function or process)
  - Creation or renovation of a green building

## **ARRA - Federal Loan Guarantees for Projects that Employ Innovative Energy Efficiency, Renewable Energy, & Advanced Transmission & Distribution Technologies**

Funding Opportunity Announcement (FOA) # DE-FOA-0000140

- Application due dates:
  - Parts I & II submission dates depend on rounds
  - Part I: September 14, 2009 – August 24, 2010
  - Part II: November 13, 2009 – December 31, 2010
- Submission of applications for loan guarantees under Title XVII of the Energy Policy Act of 2005 in support of debt financing for projects in the U.S. that employ energy efficiency, renewable energy, and advanced transmission and distribution technologies that constitute new or significantly improved technologies that are not a commercial technology
- DOE will make up to \$8.5 billion in loan guarantee authority available
- Despite the due dates, the solicitation will remain open until the aggregate \$8.5 billion in loan guarantee authority is fully obligated
- Visit <http://www.fedconnect.net/> to view the full FOA, and consult <http://www.energy.gov/>, <http://www.whitehouse.gov/omb/> or <http://www.recovery.gov/> for additional information
  
- Only 3 categories of projects that begin construction no later than 9/30/11 are eligible under Section 1705 of Title XVII and may have their credit subsidy costs covered by appropriated funds under the Recovery Act
  1. Renewable energy systems, including incremental hydropower, that generate electricity or thermal energy and facilities that manufacture related components
  2. Electric power transmission system projects, including upgrading projects
  3. Leading edge biofuel projects that will use technologies performing at the pilot or demonstration scale that the Secretary determines are likely to become commercial technologies and will produce transportation fuels that substantially reduce life-cycle greenhouse gas emissions compared to other transportation fuels
- Eligible projects in categories listed below and which fall within 1 of the 2 distinct project types described:
  1. Alternative fuel vehicles
  2. Biomass
  3. Efficient electricity transmission, distribution, and storage
  4. Energy efficient building technologies and applications
  5. Geothermal
  6. Hydrogen and fuel cell technologies
  7. Energy efficiency projects
  8. Solar
  9. Wind & hydropower

- Technology categories for 1705 eligible projects are limited to renewable energy systems projects, electric power transmission systems projects, and leading edge biofuels projects
- Per DOE, eligible projects under categories 1, 4, 6, & 7 generally do not constitute 1705 eligible projects for which the credit subsidy costs may be paid for out of funds appropriated under the Recovery Act to pay for the costs of loan guarantee issued under the Section 1705 program
- Project types: manufacturing or stand-alone; see FOA for list of primary goals and objectives for these project types

## **Photovoltaic (PV) Manufacturing Initiative**

DE-FOA-0000259

- Questions Due; September 27, 2010
- Full Application Due Date: October 10, 2010
- Registration Requirements
  - Applicants must obtain a DUNS number. <http://fedgov.dnb.com/webform>
  - Applicants must register with the CCR. <http://www.ccr.gov/>
  - Applicants must register with Grants.gov. <http://grants.gov/>
  - Applicants must register with FedConnect. [www.fedconnect.net](http://www.fedconnect.net)
- Type of Agreement: DOE anticipates awarding cooperative agreements (See Part VI.B.4 Statement of Substantial Involvement), or Technology Investment Agreements (TIAs) under this announcement.
- Estimated Funding: Approximately \$125,000,000 is expected to be available for new awards under this announcement over five years. Approximately \$15,000,000 is expected to be available for new awards in FY 2010 and an additional \$110,000,000 is expected to be available for awards made under this announcement in years FY 2011 through FY2015.
  - DOE anticipates making at least two, and up to five, awards under this announcement depending on the size of the awards.
  - Award size: University Focused: \$12.5M-\$25M, Industry Focused: \$33M-\$100M
- Eligible Applicants: To be eligible to submit a Full Application to this Announcement, Applicants must have submitted a Concept Paper Application to FOA No. DE-FOA-0000237 by the required due date, passed the Concept Paper Application initial compliance review, and received DOE feedback. All domestic applicants were eligible to apply to FOA No. DE-FOA-0000237, except nonprofit organizations described in section 501(c)(4) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995. The following domestic entities are eligible to apply under both topic areas for this announcement: (1) institutions of higher education; (2) nonprofit and for-profit private entities; (3) State and local governments; and (4) consortia of entities (1) through (3). All types of domestic entities are eligible to apply, except other Federal agencies, Federally Funded Research and Development Center (FFRDC) Contractors, and nonprofit organizations described in section 501(c)(4) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995.
- Cost Sharing
  - Topic I: University-Focused - The cost share must be at least 20% of the total allowable costs for research and development projects (i.e., the sum of the Government share, including FFRDC contractor costs if applicable, and the recipient share of allowable costs equals the total allowable cost of the project) and must come from non-Federal sources unless otherwise allowed by law. (See 10 C.F.R. Part 600 for the applicable cost sharing requirements.) The mandatory cost share must be achieved on an annual basis.
  - Topic II: Industry-Focused - The cost share must be at least 50% of the total allowable costs (i.e., the sum of the Government share, including FFRDC contractor costs if applicable, and the recipient share of allowable costs equals the total allowable cost of the project) and must come from non-Federal sources unless otherwise allowed by law.
- Objectives: launch a PV Manufacturing Initiative that will support accelerated development for the U.S. PV industry. Applications under two separate topics are being sought in 2 areas:
  - University-Focused: designed to allow Universities to conduct industry-relevant research and development projects related to PV manufacturing. The University-Focused topic is

intended to provide universities with a competitive funding source to perform industry-relevant R&D, guided by direct industry input and oversight.

- Industry-Focused: designed to allow Industry to accelerate the development and implementation of PV manufacturing-related technologies through both collaborative and non-collaborative models. Intended to provide the U.S. PV industry with a resource to rapidly develop pre-competitive and competitive manufacturing technologies.
- The Industry-Focused topic is intended to also allow for the integration of university and workforce development initiatives; likewise, activities under the University-Focused topic are intended to have explicit industry support.

# **Energy Production with Innovative Methods of Geothermal Heat Recovery**

DE-FOA-0000336

- Pre-application due October 1, 2010, Application due November 30, 2010
- Registration Requirements: go to <http://www.grants.gov> for more information
  - Applicants must obtain a DUNS number. <http://fedgov.dnb.com/webform>
  - Applicants must register with the CCR. <http://www.ccr.gov/>
  - Applicants must register with Grants.gov. <http://grants.gov/>
  - Applicants must register with FedConnect. [www.fedconnect.net](http://www.fedconnect.net)
- Estimated Funding: Approximately \$7.5M total is anticipated to be available for new awards in FY2011. An additional \$7.5M total is anticipated for awards made under this announcement in fiscal years FY2011 and/or FY2012. Actual funding levels are subject to Congressional appropriations for the Geothermal Technologies Program (GTP).
- Phase I Ceiling: \$1,000,000, Phase II Ceiling: \$5,000,000 (No Floor)
  - DOE anticipates that awards will be in the \$0.5M range for Phase I, and \$3M range for the total project period, although continuation to Phase II is not guaranteed and actual award amounts are subject to negotiation.
- Expected Number of Awards: In total, DOE anticipates 10-15 awards for Phase I activities under this announcement, depending on the size of the awards. A go/no-go decision point will be included at the end of Phase I prior to continuing to Phase II activities for awards based on criteria developed for each project. DOE retains the option to down-select among projects following Phase I.
- Period of Performance: 3 years
- Eligible Applicants
  - All domestic entities are eligible to apply for this FOA, except nonprofit organizations described in section 501(c)(4) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995.
  - Any DOE/National Nuclear Security Administration (NNSA) FFRDC contractor applying as the prime cannot exclusively withhold its services to only its application and must make itself available to other applicants on a non-exclusive basis.
  - Foreign participants will be allowed as sub-recipients only to a domestic applicant provided that: The foreign sub-recipient effort, in aggregate, shall not exceed 33% of the total estimated project costs which includes both the applicant's and the foreign subcontractor's portions of the effort.
- Cost Sharing: The cost share must be at least 20% of the total allowable costs for each phase for research and development projects (i.e., the sum of the Government share, including FFRDC contractor costs if applicable, and the recipient share of allowable costs equals the total allowable cost of the project) and must come from non-Federal sources unless otherwise allowed by law. (See 10 CFR Part 600 for the applicable cost sharing requirements.) Applicants proposing more than the 20% minimum cost share may receive increased consideration for an award.
- Objective: DOE's objective is to promote geothermal heat recovery technologies that mitigate or preclude potential adverse environmental impacts of geothermal energy development, production or use; include innovative methods for extracting heat; and alleviate financial risks. FOA responses should address:
  - 1) reduction of potential environmental risk factors through:

- reduction or avoidance of risk associated with induced seismicity,
  - reduction or avoidance of the consumption of potable/fresh water, and/or
  - avoidance of contamination of potable/fresh water sources
- 2) innovation in:
- subsurface heat recovery methods
  - other aspects the total system design (e.g. power conversion technologies): proposed innovative heat extraction methods combined with innovative non-subsurface technology will be considered for funding under this announcement.
- 3) reduction of financial risk by:
- leveraging existing surface or subsurface development knowledge, equipment, facilities, tools and techniques for geothermal energy production
  - adequately addressing environmental risks that have associated financial risks, and/or,
  - developing inherently low cost heat recovery methods
- Phase I/Budget Period 1 Objectives– Feasibility Studies, Component Design and Validation Plan
    - Perform a geospatial assessment of the resource capacity and environmental risk associated with development of the resource.
    - Geospatially locate reservoirs that make up the geologic resource targeted for the proposed heat extraction method and estimate the total domestic resource capacity. Applicants will need to perform a thorough analysis on potential environmental risks/impacts, and provide environmental risk mitigation strategies for the proposed heat recovery methods. Applicants should consider effects on groundwater and local hydrology, estimate the consumption of potable/fresh water for the proposed method, and illustrate the water consumption in relation to water availability in the applicable geographic areas. Finally, if fluids are to be produced from or injected into the subsurface formation to permeate through the rock, provide a spatial representation of the estimated zone where seismicity would be felt by human populations (peak ground accelerations  $\geq 1.4\%g$ ), using a metric that represents the degree of population exposure to felt seismicity.
  - Phase II/Budget Period 2 Objectives–Component Development and Validation
    - The goal of Phase II is to ready the innovative heat recovery method for full-scale demonstration through component development and validation while ensuring that proposed heat recovery method mitigates/precludes potential adverse environmental impacts. In Phase II, the applicant will develop the component technologies according to their Phase I engineering designs (Phase I, D2). The applicant will then execute the Phase I plan to validate the unproven component technologies at lab and/or pilot scale (Phase I, D3).

# **Advanced Hydropower Technology Development and Deployment**

DE-FOA-EE0000406

- This is a Request for Information (RFI) only and not a Funding Opportunity Announcement (FOA). No funding is available with this RFI
- DOE and Reclamation are requesting input from the public on new, advanced hydropower technologies that are ready for demonstration and testing, or that are worthy of additional research and development investments. The term “advanced technology” means products that are not already widely available commercially and that offer substantial energy and environmental benefits to renewable energy portfolios in the U.S.
- RFI Guidelines: The sole purpose of this RFI is to gain input from the public regarding advanced hydropower technologies that are ready for deployment. This does not constitute a request for specific project proposals or for regulatory barriers or project financing issues. The emphasis is on obtaining input on technical challenges and barriers for development of conventional hydro in the U.S.
- Please send your response (one attachment only) via email, with the title, "Hydropower RFI Response" to [HydroRFI@go.doe.gov](mailto:HydroRFI@go.doe.gov). The response comments should identify the Topic(s) 1, 2 or 3 given in the ‘Requested Information’ paragraph below. Your response should be limited to 3 pages, submitted in Microsoft Word or Adobe PDF as an email attachment to the address above and received no later than 8:00 PM Eastern Daylight Time on 9/17/2010. Please note that this mailbox will accept RFI responses only. Any questions regarding the RFI must be posted on FedConnect, as instructed below.
- Requested Information: DOE-EERE WWPP and Reclamation invite comments and suggestions on all aspects of technology development and demonstrations in the hydropower industry including but not limited to the following three topics:
- Topic 1: Small Hydro Technology
  - What are the highest priority technology needs for small hydro development?
  - What are the current technological barriers to development of new small hydropower projects? (See SHS summary for examples of current challenges)
  - What are the major gaps between available technologies and advanced technologies that can overcome current barriers?
  - How can new development/R&D activities by DOE, Reclamation, and other federal agencies be designed to help overcome technological barriers?
  - What actions should federal agencies take to accelerate sustainable development of undeveloped small hydro resources in the U.S.?
- Topic 2: Environmental Mitigation Technology
  - What are the major environmental issues associated with hydropower development in the U.S., and which of these can be addressed through new technology development? (See EMTS summary for examples of current challenges)
  - What new approaches are available for monitoring of the environmental impacts associated with hydropower or the environmental performance of new technologies?
  - What specific technologies are being developed for environmental mitigation and/or what are the technology needs for environmental mitigation for hydro development?
  - What research and development is needed to improve the effectiveness and cost reduction of mitigation measures?
- Topic 3: Demonstration-Ready Hardware and Software
  - What are the hydro technologies that are being used outside the U.S. and what are the barriers for deployment of these technologies within the U.S.?

- What pre-commercial, advanced designs and deployment methodologies are available for hydro applications including:
  - Low-head applications (5 to 20 feet) with flows 20 to 1000 cubic feet per second (cfs)?
  - Compact bolt-on units that could easily be installed on existing dam outlets or pipelines?
  - Applications in constructed waterways?
- What types of new turbine designs, both within and outside of the above category, are available with enhanced environmental performance characteristics, including:
  - Inline turbines?
  - Turbines with high fish passage survival rates (e.g., 90% or greater)?
  - Turbines with suitable aeration devices with low impact on energy efficiencies for enhancing downstream water quality?
  - Turbines for multiple environmental benefits such as turbines that combine aeration and fish survival rates?
- What types of advanced efficient pump units are used as turbines for small hydro?
- What types of advanced generator designs can efficiently generate for the full range of turbine operation including generators suitable for the above mentioned turbines?
- What types of operations optimization systems and software can be easily integrated with existing operating systems and are practical for real-time unit commitment and efficiency improvements?
- What types of ancillary equipment are available for new hydro development including:
  - In-stream intake and trashrack designs?
  - Advanced hydraulic surge protection methods?
  - Advanced control and protection devices?
- What are the new civil works requirements and technology developments for cost effective, faster hydro project implementation including innovative tunneling technologies?
- What types of sites and industry partnerships should the federal agencies be looking at for future demonstration and testing of these advanced turbines, generators and ancillary equipment?
- What are potential federal and non-federal sites where new technologies could be demonstrated and/or tested?

## **Renewable Energy Feasibility Grants**

Funding Opportunity Number: RDBCP-10-REAP-FEASIBILITY

- Closing Date for Applications: Oct 05, 2010
- Expected Number of Awards: 110
- Estimated Total Program Funding: \$3,000,000
- Award Ceiling: \$50,000
- Award Floor: \$0
- Cost Sharing or Matching Requirement: Yes
- Eligible applicants are 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.<sup>3</sup>
- Description: The Rural Energy for America Program will provide funds to agricultural producers and rural small businesses to conduct feasibility studies for renewable energy systems. The Rural Energy for America Program is designed to help agricultural producers and rural small businesses reduce energy costs and consumption and help meet the nation's critical energy needs. The grants are awarded on a competitive basis and can be up to 25% of total eligible project costs. Grants are limited to \$50,000 for renewable energy feasibility studies.
- ADDRESSES: Application materials may be obtained by contacting one of Rural Development's Energy Coordinators or by downloading through <http://www.grants.gov>.
- Submit electronic applications at <http://www.grants.gov>, following the instructions found on this Web site. To use Grants.gov, an applicant (unless the applicant is an individual) must have a Dun and Bradstreet Data Universal Numbering System (DUNS) number, which can be obtained at no cost via a toll-free request line at 1-866-705-5711 or online at <http://fedgov.dnb.com/webform>. Submit completed paper applications to the Rural Development State Office in the State in which the applicant's proposed project is located.

## **Fundamental Research Program for Industry/University Cooperative Research Centers (FRP)**

Sol# 10-601

- Responses due February 2, 2011.
- For more info, contact Rathindra DasGupta at [rdasgupt@nsf.gov](mailto:rdasgupt@nsf.gov) or go to: <http://www.nsf.gov/pubs/2010/nsf10601/nsf10601.htm>
- Areas of interest include, but are not limited to: Energy and the Environment; and Advanced Manufacturing.
- \$1.6 million expected to be available, up to 10 awards anticipated. The average award size is expected to range from \$50,000 up to \$200,000.
  - Full Proposals submitted via FastLane: NSF Proposal and Award Policies and Procedures Guide, Part I: Grant Proposal Guide (GPG) Guidelines apply. The complete text of the GPG is available electronically on the NSF website at: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=gpg](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg).
  - Full Proposals submitted via Grants.gov: NSF Grants.gov Application Guide: A Guide for the Preparation and Submission of NSF Applications via Grants.gov Guidelines apply (Note: The NSF Grants.gov Application Guide is available on the Grants.gov website and on the NSF website at: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=grantsgovguide](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=grantsgovguide))
- Eligibility is based on center performance: Fundamental research opportunities under this solicitation are available for I/UCRCs that meet the criteria as outlined in the current [Industry/University Cooperative Research Centers Program \(I/UCRC\)](#) solicitation. This opportunity requires that centers submitting fundamental research proposals meet the following conditions for eligibility:
  - Maintain sufficient industrial memberships to meet minimum program requirements,
  - Engage graduate students in center research projects,
  - Actively engage industry with a minimum of two Industry Advisory Board meetings annually, and
  - Disseminate current and accurate information to the public about their center via the NSF web site. NSF directory listings must be current and accurate by the supplement deadline date. Updates can be sent to the I/UCRC program director if needed.
- Eligibility for industry-defined fundamental research option: Centers seeking to apply for additional funding as permitted under the industry-defined fundamental research option must meet the following conditions for eligibility:
  - A letter from the Industry Advisory Board (IAB) must accompany the proposal.
  - The IAB letter must confirm that the IAB was actively engaged in defining the fundamental research project.
  - Only industry I/UCRC members may participate in an industry-defined research project.
  - Industry-participation must enable the center to extend its fundamental research project portfolio into areas that might not otherwise be researched.
- Each proposal must include a letter(s) from the participating industry partner(s) detailing measurable industry collaboration (degree and extent to which the industry will be involved with the proposed research). Proposals not meeting this requirement will be returned without review as being non-responsive.
- Description: The National Science Foundation encourages the submission of industry-defined fundamental research proposals from NSF Industry/University Cooperative Research Centers (I/UCRC). Industry-defined fundamental research broadens the scientific and engineering

understanding beyond the more specific applied research interests of the industries traditionally served by the I/UCRC. Industry participation extends the scope and horizon of center research projects so as to drive innovation with industrially relevant fundamental research projects.

## **Control Systems**

Sol# PD-10-1632

- For more info, contact Suhada Jayasuriya at [sjayasur@nsf.gov](mailto:sjayasur@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13575](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13575)
- Responses Due October 1, 2010
- Full Proposal Window: September 1, 2010 - October 1, 2010
  - September 1 - October 1, Annually Thereafter
- Full Proposal Window: January 15, 2011 - February 15, 2011
  - January 15 - February 15, Annually Thereafter
- To apply: *For full proposals submitted via FastLane:* standard [Grant Proposal Guidelines](#) apply. *For full proposals submitted via Grants.gov:* NSF Grants.gov Application Guide; A Guide for the Preparation and Submission of NSF Applications via Grants.gov Guidelines apply (Note: The NSF Grants.gov Application Guide is available on the Grants.gov website and on the NSF website at: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=grantsgovguide](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=grantsgovguide))
- Description: The CS program supports innovative research on control theory and control technology driven by real life applications. The program accepts proposals on transformative research in established topic areas such as model-based control. However, the program emphasis is on paradigm-shifting ideas for control strategies that may be inspired by nature, unconventional applications, and the combined role of feedback and uncertainty in systems that incorporate large numbers of sensors and actuators. New sensor and actuator concepts that integrate feedback and signal processing to achieve a sensing or actuation objective are also funded.

## **Turkey - ISTAC Waste-To-Energy Plant Feasibility Study**

Solicitation Number: 2010-81023A

- Responses Due: October 18, 2010
- For more info, contact Nina Patel at [npatel@ustda.gov](mailto:npatel@ustda.gov) or go to:  
[https://www.fbo.gov/?s=opportunity&mode=form&id=cf82b569cc209b944b5d55168b9a4d62&tab=core&\\_cvview=0](https://www.fbo.gov/?s=opportunity&mode=form&id=cf82b569cc209b944b5d55168b9a4d62&tab=core&_cvview=0).
- A detailed Request for Proposals (RFP), which includes requirements for the Proposal, the Terms of Reference, and a background definitional mission/desk study report are available from USTDA, at 1000 Wilson Boulevard, Suite 1600, Arlington, VA 22209-3901. To request the RFP in PDF format, please go to:  
<https://www.ustda.gov/businessopps/rfpform.asp>
- Proposal Submission Place:  
Mr. Vahit Balahorli  
İSTAÇ A.Ş Istanbul Environmental Management Industry And Trading Company  
Paşa Mah. Piyalepaşa Bulvari No: 74 Şişli  
Istanbul, Turkey
- Eligibility: Only U.S. firms and individuals may bid on this USTDA financed activity. Interested firms, their subcontractors and employees of all participants must qualify under USTDA's nationality requirements as of the due date for submission of qualifications and proposals and, if selected to carry out the USTDA-financed activity, must continue to meet such requirements throughout the duration of the USTDA-financed activity. All goods and services to be provided by the selected firm shall have their nationality, source and origin in the U.S. or host country. The U.S. firm may use subcontractors from the host country for up to 20 percent of the USTDA grant amount. Details of USTDA's nationality requirements and mandatory contract clauses are also included in the RFP.
- The U.S. Trade and Development Agency requests proposals for Turkey - ISTAC Waste-to-Energy Plant Feasibility Study. The proposed study would analyze a 3,000 tons/day MSW-to-energy plant that would be implemented to provide a lasting solution to the Istanbul Environmental Management Industry and Trading Company's (ISTAC) space limitation at the Odayeri Landfill site, in Istanbul, Turkey. Such a WTE plant would have a 70 MW generation capacity, enough to provide power to 350,000 households in the area.

## **China - Distributed Energy Combined Cooling, Heat and Power Tri-generation Model Projects**

Sol# 2010-31042A

- Responses Due: October 18, 2010
- For more info, contact Nina Patel at [npatel@ustda.gov](mailto:npatel@ustda.gov) or go to: [https://www.fbo.gov/index?s=opportunity&mode=form&id=1327196a7be42f868d3583cf6068f6c1&tab=core&\\_cview=0](https://www.fbo.gov/index?s=opportunity&mode=form&id=1327196a7be42f868d3583cf6068f6c1&tab=core&_cview=0)
- Detailed Request for Proposals (RFP), which includes requirements for the Proposal, the Terms of Reference, and a background definitional mission/desk study report are available from USTDA, at 1000 Wilson Boulevard, Suite 1600, Arlington, VA 22209-3901. To request the RFP in PDF format, please go to: <https://www.ustda.gov/businessopps/rfpform.asp>
- Proposal Submission Place:  
Ms. Wang Jing  
Deputy Director  
Division of Oil and Natural Gas, Department of Oil and Natural Gas  
National Energy Administration (NEA)  
No. 38 S. Yuetan Street  
Beijing 100824  
People's Republic of China  
Phone: 8610-6850-1603  
Fax: 8610-6850-2074  
E-mail: wangj@ndrc.gov.cn
- Eligibility: Only U.S. firms and individuals may bid on this USTDA financed activity. Interested firms, their subcontractors and employees of all participants must qualify under USTDA's nationality requirements as of the due date for submission of qualifications and proposals and, if selected to carry out the USTDA-financed activity, must continue to meet such requirements throughout the duration of the USTDA-financed activity. All goods and services to be provided by the selected firm shall have their nationality, source and origin in the U.S. or host country. The U.S. firm may use subcontractors from the host country for up to 20 percent of the USTDA grant amount. Details of USTDA's nationality requirements and mandatory contract clauses are also included in the RFP.
- Description: The U.S. Trade and Development Agency requests proposals for China - Distributed Energy Combined Cooling, Heat and Power Tri-Generation Model Projects. This RFP will support the development of a Natural Gas Tri-Generation Model Projects feasibility study for the National Energy Administration of China. The study will include a technical, economic, and financial assessment of implementing distributed energy combined cooling, heat and power tri-generation (also known as distributed energy combined heat and power (DE-CCHP)) technology in two facilities. The TOR for this project includes the following summarized tasks:
  - Task 1: Project Performance Measurement
  - Task 2: Model Projects Identification
  - Task 3: Technical Assessments
  - Task 4: Economic Analyses
  - Task 5: Financial Analyses
  - Task 6: Environmental Analyses

- Task 7: Policy and Regulatory Review
  - Task 8: Host Country Development Impacts Analyses
  - Task 9: U.S. Supplier Analysis
  - Task 10: U.S. Experience in Tri-Cogeneration
  - Task 11: Final Report
- The U.S. firm selected will be paid in U.S. dollars from a \$465,482 grant to the Grantee from the U.S. Trade and Development Agency (USTDA).

## **Vocational Training and Education for Clean Energy (VOC TEC)**

Funding Opportunity Number: RFA-OAA-10-000011

- Closing Date for Applications: Oct 27, 2010
- Funding Instrument Type: Cooperative Agreement
- Expected Number of Awards: 1
- Estimated Total Program Funding:
- Award Ceiling: \$10,000,000
- CFDA Number(s): 98.001 -- USAID Foreign Assistance for Programs Overseas
- Cost Sharing or Matching Requirement: Yes
- Eligible Applicants: Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"
- Description: USAID intends to award a worldwide Leader with Associate (LWA) Cooperative Agreement for the VOCational Training and Education for Clean energy, or VOC TEC. The purpose of this program is to bolster the capacity of local stakeholders to sustain renewable energy investments, primarily in decentralized clean energy technologies and hybrid renewable energy-hydrocarbon systems. The focus of the program will be on distributed energy systems, specifically wind, solar PV, micro-hydro, and hybrid energy systems utilizing any of these three technologies along with fossil-fueled generators. Emphasis will be on developing local capacity to assemble, design, install, operate, and maintain facility-specific or community-level micro-grid systems. The LWA agreement may be with a single institution or with a consortium of institutions. USAID estimates that the USAID/EGAT Energy Team contribution to this agreement will total approximately \$3 million dollars over a five-year period from approximately FY2010 to FY2015. USAID anticipates the total ceiling will be \$10 million (\$3 million to the Leader Award and \$7 million towards the Associate Awards).
- For additional information go to [www.grants.gov](http://www.grants.gov)