

Solicitations (Issue 200!)
5/3/2010

Greetings Subscribers – Here is Issue 200:

A huge thanks to the Washington State University Extension Energy Program for distributing these newsletters through their listserv. WSU has provided this service to funding newsletter subscribers for over 12 years.

There are 32 funding notices included in this issue.

1) Efficiency and Renewables in Rural America

The U.S. Department of Agriculture requests proposals for Renewable Energy Systems and Energy Efficiency Improvements, under the Rural Energy for America Program. This RFP will provide support to agricultural producers and rural small businesses to purchase and install renewable energy systems and make energy efficiency improvements. \$51.5 million expected to be available, up to 2,000 awards anticipated. Responses due 6/30/10. For more info, go to:

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=54175>. Refer to Sol# RDBCP-10-REAP-RES-EEL. (Grants.gov 4/30/10)

2) Solar Instructor Training Network

The U.S. Department of Energy requests proposals for the National Administrator of the Solar Instructor Training Network. This RFP seeks to address the shortage of qualified personnel in the downstream solar installation workforce and increase the ability of the U.S. solar workforce, educators, and employers to meet the changing needs of the solar industry. Project should focus on teaching individuals how to perform high-quality installations, uphold best practices in worker safety, adequately convey important installation project information to customers and code officials, and otherwise decrease costs for businesses and consumers by adopting best practices. Up to \$4.5 million expected to be available, 1 award anticipated. Responses due 6/15/10. For more info, contact Andrea Lucero at

andrea.lucero@go.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000228&agency=DOE>. Refer to Sol# DE-FOA-0000228. (Grants.gov 4/21/10)

3) Weatherization Innovation Pilot Program

The U.S. Department of Energy requests proposals for the Weatherization Innovation Pilot Program. This RFP addresses the pressing need to significantly increase the rate and total number of low-income residential energy retrofits in a manner consistent with the President's goals of creating a green workforce and weatherizing one million homes nationally per year. Priority areas include: 1) New and non-traditional providers and developing new partnerships, 2) Leveraging financial resources in addition to Federal funds, and 3) Improving the effectiveness of low-income weatherization through the use of new materials, technologies, behavior-change models, and/or processes. \$30 million expected to be available, up to 15 awards anticipated. Responses due 6/2/10. For more info, contact Sara Wilson at

sara.wilson@go.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000309&agency=DOE>. Refer to Sol# DE-FOA-0000309. (Grants.gov 4/22/10)

4) Building Retrofit Markets and Energy Efficiency Actions

The U.S. Department of Energy requests proposals for State Energy Program (SEP) Strengthening Building Retrofit Markets and Stimulating Energy Efficiency Action. This RFP will support projects to advance policies, programs, and market strategies that accelerate job creation and reduce energy bills, while achieving energy and climate security for the nation. Lead applicant must be the state or territorial

energy office administering the annual SEP formula grant. Areas of interest include: 1) Strengthening Building Retrofit Markets - To assist in developing approaches for retrofitting residential and commercial buildings, and 2) Stimulating Energy Efficiency Action - To assist in generating the necessary policy and program frameworks to support investment in cost-effective energy efficiency for the long-term. \$28 million expected to be available, up to 18 awards anticipated. Responses due 5/24/10. For more info, contact Kelly McDonald at kelly.mcdonald@netl.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000251&agency=DOE>. Refer to Sol# DE-FOA-0000251. (Grants.gov 4/9/10)

5) Rural Housing Preservation Grants

The U.S. Department of Agriculture requests proposals for Rural Housing Preservation Grants. This RFP supports projects to assist very low and low income homeowners in repairing and rehabilitating their homes in rural areas, and, assists rental property owners and cooperative housing complexes if they agree to make such units available to low and very low income persons. \$10.146 million expected to be available, up to 160 awards anticipated. Responses due 6/28/10. For more info, contact Bonnie Edwards-Jackson at Bonnie.Edwards@wdc.usda.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=54121>. Refer to Sol# USDA-RD-HCFP-HPG-2010. (Grants.gov 4/28/10)

6) Energy Efficient Building Retrofits - Programs and Policies

The Doris Duke Charitable Foundation requests proposals for innovative strategies for energy efficiency retrofit programs or policies for the existing building stock in the U.S. Given the large size of the existing building stock in the U.S., the Foundation sees energy efficiency retrofits as a key component of any national plan to reduce greenhouse gas emissions. Up to \$3 million expected to be available, individual award range \$100K - \$350K. Pre-proposals are required, and are due 5/24/10. Final proposals due 7/30/10. For more info, go to: www.ddcf.org/retrofits.

7) State PUCs and Energy Efficiency

The U.S. Department of Energy requests proposals for Stimulating Energy Efficiency Action from State Public Utility Commissions. This RFP will support PUCs or equivalent state regulator agencies develop an energy efficiency resource goal and the policies and programs needed to implement that goal. \$2 million expected to be available, up to 8 awards anticipated. Responses due 6/7/10. For more info, contact Kelly McDonald at kelly.mcdonald@netl.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000266&agency=DOE>. Refer to Sol# DE-FOA-0000266. (Grants.gov 4/28/10)

8) Smart Grid R&D

The U.S. Department of Energy requests proposals for Smart Grid Research and Development. The goal of this 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. Areas of interest include: 1) Integrated distribution management systems for distribution automation, 2) Advanced sensing, monitoring, and control technologies for enhanced asset utilization and grid reliability, and 3) Voltage regulation and overvoltage protection for high penetration of renewable generation. \$30 million expected to be available, up to 11 awards anticipated. Responses due 6/22/10. For more info, contact Carla Winaught at Carla.Winaught@netl.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000313&agency=DOE>. Refer to Sol# DE-FOA-0000313. (Grants.gov 4/22/10)

9) Photovoltaic R&D

The U.S. Department of Energy requests proposals for High-Impact Supply Chain R&D for PV Technologies and Systems. The objective of this RFP is to identify and accelerate the development of cross-cutting and unique products or processes that are expected to have a disruptive impact on the PV industry. Areas of interest include but are not limited to: Flexible barrier or protective coatings; Transparent conductors; and High performance glass. Up to \$40 million expected to be available, up to 20 awards anticipated. Responses due 7/2/10. For more info, contact Andrea Lucero at andrea.lucero@go.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000234&agency=DOE>. Refer to Sol# DE-FOA-0000234. (Grants.gov 4/21/10)

10) Photovoltaic Manufacturing Initiative

The U.S. Department of Energy requests proposals for the PV Manufacturing Initiative, for projects that will support accelerated development for the U.S. PV industry. Areas of interest include: 1) University-Focused: For Universities to conduct PV manufacturing R&D projects, and 2) Industry-Focused: For Industry to accelerate the development and implementation of PV manufacturing-related technologies through collaborative and non-collaborative models. \$125 million expected to be available, up to 5 awards anticipated. Concept Papers due 6/3/10. For more info, contact Andrea Lucero at andrea.lucero@go.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000237&agency=DOE>. Refer to Sol# DE-FOA-0000237. (Grants.gov 4/21/10)

11) Manufacturing Innovations

The U.S. Department of Commerce, National Institute of Standards and Technology (NIST), requests proposals for the Technology Innovation Program, in the area of “Manufacturing.” Through this RFP, NIST seeks to create significant improvements in new and existing products and in their manufacture by accelerating the utilization of materials advances and overcoming critical manufacturing process bottlenecks to improve the competitiveness of U.S. manufacturers in the global marketplace. \$25 million expected to be available, up to 25 awards anticipated. Responses due 7/15/10. For more info, contact Deborah Dubeau at deborah.dubeau@nist.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=53791>. Refer to Sol# TIP-2010-B01. (Grants.gov 4/15/10)

12) Marine and Hydrokinetic Technology

The U.S. Department of Energy requests proposals for the Marine and Hydrokinetic (MHK) Technology Readiness Advancement Initiative. Through this RFP, DOE seeks to accelerate the development and deployment of these technologies to provide a domestic source of clean, affordable energy that is both economical and ecologically responsible. Areas of interest include: MHK Technologies Concept Development, and MHK Technology Readiness Level Advancement. \$38 million expected to be available, up to 26 awards anticipated. Responses due 6/7/10. For more info, contact Pamela Brodie at pamela.brodie@go.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000293&agency=DOE>. Refer to Sol# DE-FOA-0000293. (Grants.gov 4/20/10)

13) EPA SBIR Phase I

The U.S. Environmental Protection Agency requests proposals for the Small Business Innovation Research Program Phase I. Areas of interest include, but are not limited to: Green Buildings (Building Materials, Energy and Indoor Environmental Quality, Water Use and Management), Innovations in Manufacturing (Green Manufacturing, Pollution Prevention), Greenhouse Gases, Biofuels, and Wastewater and Sustainable Infrastructure. Responses due 5/11/10. For more info, go to: http://www.epa.gov/ncer/rfa/2011/2011_sbir_phase1.html#I. Refer to Sol# PR-NC-10-10251.

14) DOE SBIR/STTR Phase II

The U.S. Department of Energy requests proposals from FY09 SBIR/STTR Phase I Awardees to submit Phase II grant applications. The Department may also reconsider previously submitted, peer-reviewed, high ranking Phase II grant applications from FY 2008. The purpose of Phase II is to perform the R&D required to meet objectives stated in the technical topic of the Phase I Funding Opportunity Announcement. It is intended that the small business grantee would be in a position to pursue commercial applications of the R&D at the end of Phase II. \$116 million expected to be available, up to 120 awards anticipated. Responses due 5/21/10. For more info, contact Carl Hebron at carl.hebron@science.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000350&agency=DOE>. Refer to Sol# DE-FOA-0000350. (Grants.gov 4/21/10)

15) Renewable Forests and Rangelands

The U.S. Department of Agriculture requests proposals for the Renewable Resources Extension Act - National Focus Fund Projects. This program seeks to expand comprehensive extension programs through better program coordination, innovative technologies, and extension models that can be easily duplicated. Areas of interest include, but are not limited to: 1) Rangelands, Drought and Climate Change; and 2) Sustaining the Nation's Working Forest and Rangeland Resources for Future Generations. \$275K expected to be available up to 6 awards anticipated. Responses due 6/8/10. For more info, contact Eric Norland at enorland@nifa.usda.gov or go to: http://www.nifa.usda.gov/funding/rfas/rrea_nff.html. Refer to Sol# USDA-NIFA-OP-003116. (Grants.gov 4/8/10)

16) Strategic Agricultural Initiative - Region 8

The U.S. Department of Agriculture, Region 8, requests proposals for the Strategic Agricultural Initiative, for projects that promote the transition to reduced-risk pest management practices in agriculture to protect human health and the environment. \$100K expected to be available, 2 awards anticipated. Responses due 5/28/10. Projects must take place in CO, MT, ND, SD, UT, or WY. For more info, contact Adrienne Rivera at rivera.adrienne@epa.gov or go to: <http://www.epa.gov/region8/grants/>. Refer to Sol# EPA-R8-2010-SAI-01. (Grants.gov 4/9/10)

17) Climate Change - Pacific Islands

The U.S. Fish and Wildlife Service requests proposals for the Pacific Islands Climate Change Cooperative, for applied scientific work that addresses the projected effects of climate change and on how these effects may impact native terrestrial and marine plants and animal in the Pacific Islands Geographic Area. Individual awards NTE \$250K. Responses due 5/30/10. For more info, contact Jeff Burgett at jeff_burgett@fws.gov or go to: <http://www.fws.gov/pacific/Climatechange/lcc.html>. Refer to Sol# FWSR1-PICCC-FY2010. (Grants.gov 4/20/10)

18) Conservation Innovation Grants - OH, ID, RI, UT, NM, NC, OR, MI, AK

The U.S. Department of Agriculture requests proposals for Conservation Innovation Grants (CIG) for projects that advance innovative conservation approaches and technologies in environmental enhancement and protection, in conjunction with agricultural production. Areas of interest may include, but are not limited to: Water, atmosphere and soil conservation, organic production, and improved on-farm energy efficiency including renewable energy sources such as wind or solar, methane recovery, and on-farm energy audits. See individual RFPs for state-specific priorities.

Ohio: \$250K expected to be available, individual awards NTE \$75K. Responses due 5/28/10. For more info, contact Mark Smith at mark.smith@oh.usda.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=54106>. Refer to Sol# USDA-NRCS-OH-10-01. (Grants.gov 4/28/10)

Idaho: \$200K expected to be available, up to 5 awards anticipated. Pre-proposals are required and are due 5/24/10, final proposals due 6/11/10. For more info, contact Mark Weatherstone at mark.weatherstone@id.usda.gov or go to: <http://www.id.nrcs.usda.gov/programs/cig/state.html>. Refer to Sol# USDA-NRCS-10-06. (Grants.gov 4/28/10)

Rhode Island: \$158K expected to be available up to 6 awards anticipated. Responses due 5/28/10. For more info, contact Joseph Bachand at Joseph.Bachand@ri.usda.gov or go to: <http://www.ri.nrcs.usda.gov/programs/CIG.html>. Refer to Sol# USDA-NRCS-RI-10-01. (Grants.gov 4/27/10)

Utah: \$350K expected to be available, up to 6 awards anticipated. Pre-proposals are required and are due 5/14/10, final proposals due 7/1/10. For more info, contact Pamela Harvey at pam.harvey@ut.usda.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=54092>. Refer to Sol# CIG-USDA-NRCS-UTAH-FY10. (Grants.gov 4/27/10)

New Mexico: \$150K expected to be available, individual awards NTE \$75K. Responses due 6/11/10. For more info, contact Seth Fiedler at seth.fiedler@nm.usda.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=54074>. Refer to Sol# USDA-NRCS-NM-10-01. (Grants.gov 4/27/10)

N. Carolina: \$300K expected to be available, individual awards NTE \$75K. Responses due 6/4/10. For more info, contact Jefferey Hale at Jeff.Hale@nc.usda.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=53861>. Refer to Sol# USDA-NRCS-NC-10-001. (Grants.gov 4/19/10)

Oregon: \$550K expected to be available, up to 7 awards anticipated. Responses due 6/4/10. For more info, contact Christopher Martin at chris.martin@or.usda.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=53721>. Refer to Sol# USDA-NRCS-OR-10-01. (Grants.gov 4/13/10)

Michigan: Total funding not listed, individual awards NTE \$75K, up to 10 awards anticipated. Responses due 6/4/10. For more info, contact Steven Law at Steven.Law@mi.usda.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=54152>. Refer to Sol# USDA-NRCS-MI-10-01. (Grants.gov 4/29/10)

Alaska: \$215K expected to be available, up to 3 awards anticipated. Responses due 6/4/10. For more info, contact Helen Denniston at helen.denniston@ak.usda.gov or go to: <http://www.ak.nrcs.usda.gov/programs/CIG2010.html>. Refer to Sol# USDA-NRCS-AKSO-10-01. (Grants.gov 4/27/10)

19) Western Water Resources and Climate Change

The U.S. Department of the Interior, Bureau of Reclamation, requests proposals for WaterSMART: Research Grants to Develop Climate Analysis Tools. Projects should focus on the development of knowledge, information, and tools that will lead to enhanced management of water resources in the Western U.S. in a changing climate. Applicants must be located in AZ, CA, CO, ID, KS, MT, NB, NV, NM, ND, OK, OR, SD, TX, UT, WA, WY, AS, GU, CNMI or the VI. \$1 million expected to be available, up to 6 awards anticipated. Responses due 7/2/10. For more info, contact Stephanie Bartlett at sbartlett@usbr.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=54186>.

Refer to Sol# R10SF80326. (Grants.gov 4/30/10)

20) Water Management

The U.S. Department of the Interior, Bureau of Reclamation, requests proposals for WaterSMART: System Optimization Review Grants, for projects that assess the potential for water management improvements and identify specific ways to implement those improvements. Applicants must be located in AZ, CA, CO, ID, KS, MT, NB, NV, NM, ND, OK, OR, SD, TX, UT, WA, WY, AS, GU, CNMI or the VI. \$1 million expected to be available, up to 6 awards anticipated. Responses due 6/14/10. For more info, contact Stephanie Bartlett at sbartlett@usbr.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=54184>. Refer to Sol# R10SF80256. (Grants.gov 4/30/10)

21) Advanced Water Treatment Projects

The U.S. Department of the Interior, Bureau of Reclamation, requests proposals for Advanced Water Treatment (AWT) Pilot and Demonstration Project Grants. This RFP will support projects that address the technical, economic, and environmental viability of treating and using brackish groundwater, seawater, impaired waters, or otherwise creating new water supplies within a specific locale. The adoption and use of AWT is a crucial element for addressing Western water issues. Applicants must be located in AZ, CA, CO, ID, KS, MT, NB, NV, NM, ND, OK, OR, SD, TX, UT, WA, WY, AS, GU, CNMI or the VI. \$2 million expected to be available, 4 awards anticipated. Responses due 6/29/10. For more info, contact Stephanie Bartlett at sbartlett@usbr.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=54183>. Refer to Sol# R10SF80342. (Grants.gov 4/30/10)

22) Energy Efficiency - Washington D.C.

Washington Gas requests proposals for the 2010 Environmental Innovator Grant Program. This Program seeks to identify and promote programs in the Washington, D.C. metropolitan area that encourage residential households to reduce greenhouse gas emission by improving energy efficiency, raising awareness of natural gas as a clean and efficient fuel, and encouraging the reduction of total energy consumption. \$50K expected to be available, one award anticipated. Responses due 5/21/10. For more info, go to: <http://www.washgas.com/pages/CharitableGiving>. (Foundation Center RFP Bulletin 4/23/10)

23) Electric Efficiency Research - California

The California Energy Commission requests proposals for the Energy Innovations Small Grant Program (EISG) – Electricity Program, to conduct research that establishes the feasibility of new, innovative energy concepts. Project must address one of the following research areas: Industrial/Agriculture/Water end-use efficiency; building end-use efficiency; environmentally preferred advanced generation; renewable generation; energy-related environmental research; and energy systems integration. EISG provides \$95K for hardware projects and \$50K for modeling projects. Final proposals due 6/10/10. For more info, go to: http://www.energy.ca.gov/contracts/smallgrant/10-01_electricity/index.html. Refer to Sol# 10-01.

24) Natural Gas Efficiency Research - California

The California Energy Commission requests proposals for the Energy Innovations Small Grant Program (EISG) – Natural Gas Program, to conduct research that establishes the feasibility of new, innovative energy concepts. Project must address one of the following research areas: Industrial/Agriculture/Water end-use efficiency; building end-use efficiency; environmentally preferred advanced generation; renewable generation; energy-related environmental research; and energy systems integration. EISG provides \$95K for hardware projects and \$50K for modeling projects. Responses due 6/10/10. For more

info, go to: http://www.energy.ca.gov/contracts/smallgrant/10-01G_natural_gas/index.html. Refer to Sol# 10-01G.

25) Biofuel Production Plants - California

The California Energy Commission requests proposals for Biofuel Production Plants. This RFP will support the development of new, CA-based biofuel production plants and enhance the operation of existing ethanol production plants. Areas of interest include, but are not limited to: 1) Pre-development stages of biofuel production plants; 2) Pilot plants to demonstrate biofuel production plant proof of concept, verify fuel attributes and characteristics, and accelerate technology advances to enhance the development of commercial production plants; 3) Non revenue-producing start-up steps to initiate fuel production operations; and 4) Commercial development stages of biofuel production plants. Up to \$33.9 million may be available. Responses due 5/20/10. For more info, contact skawilli@energy.state.ca.us or go to: <http://www.energy.ca.gov/contracts/transportation.html>. Refer to PON# 90-604.

26) Manufacturing Alt Fuel Vehicles, Systems, Components, Batteries - California

The California Energy Commission requests proposals for Manufacturing Plants, Electric Vehicles, Alternative Fuel Vehicles, Vehicle Components and Batteries. This RFP will support the development and expansion of manufacturing and assembly plants in CA that produce electric vehicles, batteries, and component parts for alternative fuel vehicles. Up to \$45 million may be available. Responses due 5/20/10. For more info, contact skawilli@energy.state.ca.us or go to: <http://www.energy.ca.gov/contracts/transportation.html>. Refer to PON# 09-605.

27) Renewables - DOE and NREL

The Western Area Power Administration seeks 355 MWh of Renewable Energy Certificates (RECs) per year for 10 years on behalf of the National Renewable Energy Laboratory and an additional 1,235 MWh per year for two years on behalf of the U.S. Department of Energy, Golden Field Office. Responses due 5/14/10. For more info, contact radecki@wapa.gov or go to: <http://www.wapa.gov/ugp/powermarketing/RenewEnergyCert/2010REC.htm>. (Green Power Network 4/30/10)

28) Renewables - Arizona

The Arizona Public Service Company seeks eligible renewable energy and associated environmental attributes from small generation projects (2-15 MW) to meet the requirements of the APS Small Generation Program. Notice of intent to bid due 6/10/10, final proposals due 6/24/10. For more info, go to: <http://www.aps.com/aps/rfp/default.html>. (Green Power Network 4/30/10)

29) Renewables - Nebraska

The Nebraska Public Power District seeks to purchase energy and environmental attributes from small-scale renewable energy projects (2-10 MW) operational on or before 12/1/10. Responses due 9/1/10. For more info, contact Sarah Hopwood at sjhopwo@nppd.com or go to: <https://www.ebidexchange.com/Solicitation.aspx?cid=de39905b-7548-48ea-9e74-6f5886972ff7&uid=00000000-0000-0000-0000-000000000000&sid=15331>. (Green Power Network 4/22/10)

30) Renewables - California, Silicon Valley

The County of Santa Clara, on behalf of the Joint Venture Public Sector Climate Task Force, which includes representatives from every city, town and county in Silicon Valley, seeks proposals for third-party privately-owned renewable power generating systems. Pre-qualification is required and is due

5/7/10, final proposals due 6/29/10. For more info, contact Siva Darbhamulla at

siva.darbhamulla@faf.sccgov.org or go to:

http://www.jointventure.org/index.php?option=com_content&view=article&id=189:renewable-energy-ppa&catid=4:climate-change&Itemid=287. (Green Power Network 4/22/10)

31) Solar – New Jersey

The U.S. Department of the Interior requests proposals to provide solar thermal and solar electric alternative energy systems at the Great Swamp National Wildlife Refuge Visitor Center in Basking Ridge, NJ. Responses due 5/28/10. For more info, contact Dale Aubin at Dale_Aubin@fws.gov or go to:

<https://www.fbo.gov/?s=opportunity&mode=form&id=167760b78dd93d3e7e9c8386a33ebce9&tab=core&cvview=0>. Refer to Sol# 50181RQ030. (FBO 5/1/10)

32) Solar Installation – West Virginia

The U.S. Fish and Wildlife Service requests proposals for a solar power installation at the headquarters site of the Ohio River Islands National Wildlife Refuge, Williamstown, WV. Responses due 5/26/10.

For more info, contact Dale Aubin at dale_aubin@fws.gov or go to:

<https://www.fbo.gov/?s=opportunity&mode=form&id=9b3b8bb88c3d644f808e737f1480c57c&tab=core&cvview=0>. Refer to Sol# 50181RR049. (FBO 4/15/10)