

is determined that further public coordination is warranted.

5. *Significant Issues.* The tentative list of resources and issues to be evaluated in the EIS includes tidal wetlands (marshes and swamps), aquatic resources, commercial and recreational fisheries, wildlife resources, essential fish habitat, water quality, air quality, threatened and endangered species, recreation resources, and cultural resources. Socioeconomic items to be evaluated in the EIS include navigation, flood protection, business and industrial activity, employment, land use, property values, public/community facilities and services, tax revenues, population, community and regional growth, transportation, housing, community cohesion, and noise.

6. *Environmental Consultation and Review.* The U.S. Fish and Wildlife Service (USFWS) will be assisting in the documentation of existing conditions and assessment of effects of project alternatives through Fish and Wildlife Coordination Act consultation procedures. The USFWS will also provide a Fish and Wildlife Coordination Act report. Consultation will also be accomplished with the USFWS and the National Marine Fisheries Service (NMFS) concerning threatened and endangered species and their critical habitat. The NMFS will be consulted on the effects of this proposed action on Essential Fish Habitat. The draft EIS or a notice of its availability will be distributed to all interested agencies, organizations, and individuals.

7. *Estimated Date of Availability.* Funding levels will dictate the date when the draft EIS is available. The earliest that the draft EIS is expected to be available is summer of 2002.

Dated: December 11, 2001.

**Michael R. Burt,**

*Lieutenant Colonel, U.S. Army, Acting District Engineer.*

[FR Doc. 01-31358 Filed 12-19-01; 8:45 am]

BILLING CODE 3710-84-P

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## DEPARTMENT OF ENERGY

### Office of Science; Continuation of Solicitation for the Office of Science Financial Assistance Program—Notice 02-01

**AGENCY:** U.S. Department of Energy.

**ACTION:** Annual notice of continuation of availability of grants and cooperative agreements.

**SUMMARY:** The Office of Science of the Department of Energy hereby announces its continuing interest in receiving grant

applications for support of work in the following program areas: Basic Energy Sciences, High Energy Physics, Nuclear Physics, Advanced Scientific Computing, Fusion Energy Sciences, Biological and Environmental Research, and Energy Research Analyses. On September 3, 1992, (57 FR 40582), DOE published in the **Federal Register** the Office of Energy Research Financial Assistance Program (now called the Office of Science Financial Assistance Program), 10 CFR part 605, Final Rule, which contained a solicitation for this program. Information about submission of applications, eligibility, limitations, evaluation and selection processes and other policies and procedures are specified in 10 CFR part 605.

**DATES:** Applications may be submitted at any time in response to this Notice of Availability.

**ADDRESSES:** Applications must be sent to: Director, Grants and Contracts Division, Office of Science, SC-64, U.S. Department of Energy, 19901 Germantown Road, Germantown, MD 20874-1290. When preparing applications, applicants should use the Office of Science Financial Assistance Program Application Guide and Forms located on the World Wide Web at <http://www.science.doe.gov/production/grants/grants.html>. Applicants without Internet access may call 301-903-5212 for information.

**SUPPLEMENTARY INFORMATION:** This notice is published annually and remains in effect until it is succeeded by another issuance by the Office of Science, usually published after the beginning of the fiscal year. This annual Notice 02-01 succeeds Notice 01-01, which was published December 7, 2000.

It is anticipated that approximately \$400 million will be available for grant and cooperative agreement awards in FY 2002. The DOE is under no obligation to pay for any costs associated with the preparation or submission of an application. DOE reserves the right to fund, in whole or in part, any, all, or none of the applications submitted in response to this Notice.

The following program descriptions are offered to provide more in-depth information on scientific and technical areas of interest to the Office of Science:

#### 1. Basic Energy Sciences

The Basic Energy Sciences (BES) program supports fundamental research in the natural sciences and engineering leading to new and improved energy technologies and to understanding and mitigating the environmental impacts of

energy technologies. The science areas and their objectives are as follows:

#### (a) Materials Sciences

The objective of this program is to increase the understanding of phenomena and properties important to materials behavior that will contribute to meeting the needs of present and future energy technologies. It is comprised of the subfields metallurgy, ceramics, condensed matter physics, materials chemistry, and related disciplines where the emphasis is on the science of materials.

Program Contact: (301) 903-3427.

#### (b) Chemical Sciences

The objective of this program is to expand, through support of basic research, knowledge of various areas of chemistry, chemical engineering and atomic molecular and optical physics with a goal of contributing to new or improved processes for developing and using domestic energy resources in an efficient and environmentally sound manner. Disciplinary areas where research is supported include atomic molecular and optical physics; physical, inorganic and organic chemistry; chemical physics; photochemistry; radiation chemistry; analytical chemistry; separations science; actinide chemistry; and chemical engineering sciences. Program Contact: (301) 903-5804.

#### (c) Engineering Research

This program's objectives are: (1) To extend the body of knowledge underlying current engineering practice in order to open new ways for enhancing energy savings and production, prolonging useful equipment life, and reducing costs while maintaining output performance, and environmental quality; and (2) to broaden the technical and conceptual base for solving future engineering problems in the energy technologies. Program Contact: (301) 903-3427.

#### (d) Geosciences

The goal of this program is to develop a quantitative and predictive understanding of geologic processes related to energy and environmental quality. The program emphasizes cross-cutting basic research that will improve understanding of reactive geochemical transport and other subsurface processes and properties and how to image them using techniques ranging from electrons, x-rays or neutrons to electromagnetic and seismic waves. Applications of this fundamental understanding might include transport of contaminant fluids, hydrocarbons, sequestered CO<sub>2</sub> or

performance prediction for repository sites. The emphasis is on the disciplinary areas of geochemistry, geophysics, geomechanics, and hydrogeology with a focus on the upper levels of the earth's crust. Particular emphasis is on processes taking place at the atomic and molecular scale. Specific topical areas receiving emphasis include: high resolution geophysical imaging; rock physics, physics of fluid transport, and fundamental properties and interactions of rocks, minerals, and fluids.

Program Contact: (301) 903-4061.

*(e) Energy Biosciences*

The primary objective of this program is to generate an understanding of fundamental biological mechanisms in plants and microorganisms that will support future technological developments related to DOE's mission. The research serves to provide the basic information foundation for environmentally responsible production and conversion of renewable resources for fuels, chemicals, and the conservation of energy. This program has special requirements for the submission of preapplications, when to submit, and the length of the applications. Applicants are encouraged to contact the program regarding these requirements.

Program Contact: (301)-903-2873.

**2. High Energy and Nuclear Physics**

This program supports about 90% of the U.S. efforts in high energy and nuclear physics. The objectives of these programs are indicated below:

*(a) High Energy Physics*

The primary objectives of this program are to understand the ultimate structure of matter in terms of the properties and interrelations of its basic constituents, and to understand the nature and relationships among the fundamental forces of nature. The research falls into three broad categories: Experimental research, theoretical research, and technology R&D in support of the high energy physics program.

Program Contact: (301)-903-3624.

*(b) Nuclear Physics (Including Nuclear Data Program)*

The primary objectives of this program are an understanding of the interactions and structures of atomic nuclei and nuclear matter at the most elementary level possible, and an understanding of the fundamental forces of nature as manifested in nuclear matter.

Program Contact: (301)-903-3613.

**3. Advanced Scientific Computing Research**

This program fosters and supports fundamental research in advanced computing research (applied mathematics, computer science and networking), and operates supercomputer, networking, and related facilities to enable the analysis, modeling, simulation, and prediction of complex phenomena important to the Department of Energy.

*Mathematical, Information, and Computational Sciences*

This subprogram supports a spectrum of fundamental research in applied mathematical sciences, computer science, and networking from basic through prototype development. Results of these efforts are used to form partnerships with users in scientific disciplines to validate the usefulness of the ideas and to develop them into tools. Testbeds on important applications for DOE are supported by this subprogram. Areas of particular focus are:

*Applied Mathematics:* Research on the underlying mathematical understanding and numerical algorithms to enable effective description and prediction of physical systems such as fluids, magnetized plasmas, or protein molecules. This includes, for example, methods for solving large systems of partial differential equations on parallel computers, techniques for choosing optimal values for parameters in large systems with hundreds to hundreds of thousands of parameters, improving our understanding of fluid turbulence, and developing techniques for reliably estimating the errors in simulations of complex physical phenomena.

*Computer Science:* Research in computer science to enable large scientific applications through advances in massively parallel computing such as very lightweight operating systems for parallel computers, distributed computing such as development of the Parallel Virtual Machine (PVM) software package which has become an industry standard, and large scale data management and visualization. The development of new computer and computational science techniques will allow scientists to use the most advanced computers without being overwhelmed by the complexity of rewriting their codes every 18 months.

*Networking:* Research in high performance networks and information surety required to support high performance applications—protocols for high performance networks, methods for

measuring the performance of high performance networks, and software to enable high speed connections between high performance computers and networks. The development of high speed communications and collaboration technologies will allow scientists to view, compare, and integrate data from multiple sources remotely.

Program Contact: (301)-903-5800.

**4. Fusion Energy Sciences**

The mission of the Fusion Energy Sciences program is to advance plasma science, fusion science, and fusion technology—the knowledge base needed for an economically and environmentally attractive fusion energy source. The Office of Fusion Energy Sciences (OFES) supports basic and applied research, encourages technical connectivity with the broader U.S. science community, and uses international collaboration to accomplish this mission.

*(a) Research Division*

This Division seeks to develop the physics knowledge base needed to advance the Fusion Energy Sciences program toward its goals. Research into physics issues associated with medium to large-scale confinement devices is essential to studying conditions relevant to the production of fusion energy. Experiments on this scale of devices are used to explore the limits of specific confinement concepts, as well as study associated physical phenomena. Specific areas of interest include: (1) Reducing plasma energy and particle transport at high densities and temperatures, (2) understanding the physical laws governing confinement of high pressure plasmas, (3) investigating plasma wave interactions, and (4) studying and controlling impurity particle transport and exhaust in plasmas.

Research is also carried out in the following areas: (1) Basic plasma science research directed at furthering the understanding of fundamental processes in plasmas; (2) theoretical research to provide the understanding of fusion plasmas necessary for interpreting results from present experiments, planning future experiments, and designing future confinement devices; (3) critical data on plasma properties, atomic physics and new diagnostic techniques for support of confinement experiments; (4) supporting research on innovative confinement concepts; and (5) research on issues that support the development of Inertial Fusion Energy, for which target development is carried out by the

Office of Defense Programs in the Department of Energy's National Nuclear Security Agency.

Program Contact: (301) 903-4095.

*(b) Facilities and Enabling Technologies Division*

This Division is responsible for overseeing the facility operations and enabling research and development activity budgets within the OFES. Grant program opportunities are in the enabling research and development activity. (Grants for scientific use of the facilities operated/maintained by this Division should be addressed to the Research Division.) The enabling technologies program supports the advancement of fusion science in the nearer-term by carrying out research on technological topics that: (1) Enable domestic experiments to achieve their full performance potential and scientific research goals; (2) permit scientific exploitation of the performance gains being sought from physics concept improvements; (3) allow the U.S. to enter into international collaborations gaining access to experimental conditions not available domestically; and (4) explore the science underlying these technological advances.

The enabling technologies program supports pursuit of fusion energy science for the longer-term by conducting research aimed at innovative technologies, designs and materials to point toward an attractive fusion energy vision and affordable pathways for optimized fusion development.

Program Contact: (301) 903-3068.

**5. Biological and Environmental Research Program**

For over 50 years the Biological and Environmental Research (BER) Program has been investing to advance environmental and biomedical knowledge connected to energy. The BER program provides fundamental science to underpin the business thrusts of the Department's strategic plan. Through its support of peer-reviewed research at national laboratories, universities, and private institutions, the program develops the knowledge needed (1) To identify, understand, and anticipate the long-term health and environmental consequences of energy production, development, and use, and (2) to develop biology based solutions that address DOE and National needs.

*(a) Life Sciences Research*

Research is focused on using DOE's unique resources and facilities to develop fundamental biological information and advanced technologies to understand and mitigate potential

health effects of energy development, energy use, and waste cleanup, and that will underpin biotechnology based solutions to energy challenges. The objectives are: (1) To create and apply new technologies and resources in DNA sequencing, comparative genomics, and bioinformatics to characterize the human genome; (2) to develop and support DOE national user facilities for use in fundamental structural biology; (3) to use model organisms to understand human genome organization, human gene function and control, and the functional relationships between human genes and proteins; (4) to characterize and exploit the genomes and diversity of microbes with potential relevance for energy, bioremediation, or global climate; (5) to understand and characterize the risks to human health from exposures to low levels of radiation; and (6) to anticipate and address ethical, legal, and social implications arising from genome research.

Program Contact: (301) 903-5468.

*(b) Medical Applications and Measurement Science*

The research is designed to develop beneficial applications of nuclear and other energy-related technologies for medical diagnosis and treatment. The research is directed at discovering new applications of radiotracer agents for medical research as well as for clinical diagnosis and therapy. A major emphasis is placed on application of the latest concepts and developments in genomics, structural biology, computational biology, and instrumentation. Much of the research seeks breakthroughs in noninvasive imaging technologies such as positron emission tomography.

The measurement science activities focus on research in the basic science of chemistry, physics and engineering as applied to bioengineering.

Program Contact: (301) 903-3213.

*(c) Environmental Remediation*

The research is primarily focused on the fundamental biological, chemical, geological, and physical processes that must be understood for the development and advancement of new, effective, and efficient processes for the remediation and restoration of the Nation's nuclear weapons production sites. Priorities of this research are bioremediation and operation of the William R. Wiley Environmental Molecular Sciences Laboratory (EMSL). Bioremediation activities are centered on the Natural and Accelerated Bioremediation Research (NABIR) program, which provides the fundamental science to

serve as the basis for development of cost-effective bioremediation and long-term stewardship of radionuclides and metals in the subsurface at DOE sites.

Program Contact: (301) 903-3281.

*(d) Environmental Processes*

The program seeks to understand the basic physical, chemical, and biological processes of the Earth's atmosphere, land, and oceans and how these processes may be affected by energy production and use. The research is designed to provide data that will enable an objective assessment of the potential for and the consequences of human-induced climate change at global and regional scales. It also provides data to enable assessments of mitigation options to prevent such a change. The program is comprehensive with an emphasis on understanding and simulating the radiation balance from the surface of the Earth to the top of the atmosphere (including the effect of clouds, water vapor, trace gases, and aerosols), on enhancing the quantitative models necessary to predict possible climate change at global and regional scales, and on understanding ecological effects of climate change.

The Climate Change Technology (CCT) research seeks the understanding necessary to exploit the biosphere's natural carbon cycling processes to enhance the sequestration of carbon dioxide in terrestrial systems and the ocean, and to understand its potential environmental implications. The CCT includes research that can lead to the development of approaches to reduce or overcome the environmental and biological factors or processes that limit the sequestration of carbon in these systems to enhance the net sequestration of carbon. The research includes studies on terrestrial and ocean carbon sequestration and disposal, including research to modify the carbon sequestration capacity and rate by marine and terrestrial organisms and to understand the potential environmental implications of designed enhancements of carbon sequestration by terrestrial systems, and impacts of purposeful CO<sub>2</sub> injection in oceans.

Program Contact: (301) 903-3281.

**6. Energy Research Analyses**

This program supports energy research analyses of the Department's basic and applied research activities. Specific objectives include assessments to identify any duplication or gaps in scientific research activities, and impartial and independent evaluations of scientific and technical research efforts. Consistent with these overall objectives, this program conducts

numerous research studies to assess directions in science and to identify and assess new and improved approaches to science management.

Program Contact: (202) 586-9942.

### 7. Experimental Program to Stimulate Competitive Research (EPSCoR)

The objective of the EPSCoR program is to enhance the capabilities of EPSCoR states to conduct nationally competitive energy-related research and to develop science and engineering manpower to meet current and future needs in energy-related fields. This program addresses basic research needs across all of the Department of Energy research interests. Research supported by the EPSCoR program is concerned with the same broad research areas addressed by the Office of Science programs that are described in this notice. The EPSCoR program is restricted to applications, which originate in twenty-one states (Alabama, Alaska, Arkansas, Hawaii, Idaho, Kansas, Kentucky, Louisiana, Maine, Mississippi, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, South Carolina, South Dakota, Vermont, West Virginia, and Wyoming) and the commonwealth of Puerto Rico. It is anticipated that only a limited number of new competitive research grants will be awarded under this program subject to the availability of funds.

Program Contact: (301) 903-3427.

Issued in Washington, DC on: December 10, 2001.

**John Rodney Clark,**

*Associate Director of Science for Resource Management.*

[FR Doc. 01-31351 Filed 12-19-01; 8:45 am]

**BILLING CODE 6450-02-U**

## DEPARTMENT OF ENERGY

### Environmental Management Site-Specific Advisory Board, Nevada

**AGENCY:** Department of Energy.

**ACTION:** Notice of open meeting.

**SUMMARY:** This notice announces a meeting of the Environmental Management Site-Specific Advisory Board (EM SSAB), Nevada Test Site. The Federal Advisory Committee Act (Pub. L. No. 92-463, 86 Stat. 770) requires that public notice of these meetings be announced in the **Federal Register**.

**DATES:** Wednesday, January 9, 2002, 6:00 p.m.-9:00 p.m.

**ADDRESSES:** Grant Sawyer State Office Building, 555 East Washington Avenue, Room 4401, Las Vegas, Nevada.

### FOR FURTHER INFORMATION CONTACT:

Kevin Rohrer, U.S. Department of Energy, Office of Environmental Management, P.O. Box 98518, Las Vegas, Nevada 89193-8513, phone: 702-295-0197, fax: 702-295-5300.

**SUPPLEMENTARY INFORMATION:** *Purpose of the Board:* The purpose of the Advisory Board is to make recommendations to DOE and its regulators in the areas of environmental restoration, waste management, and related activities.

*Tentative Agenda:* 1. Focus on the results of the recent peer review conducted on the Nevada Test Site Underground Test Area project strategy. Members of the Peer Review Team will be at the meeting to discuss their approach to the review and will be available to address question related to the technical report.

Copies of the final agenda will be available at the meeting.

*Public Participation:* The meeting is open to the public. Written statements may be filed with the Committee either before or after the meeting. Individuals who wish to make oral statements pertaining to agenda items should contact Kevin Rohrer, at the telephone number listed above. Requests must be received 5 days prior to the meeting and reasonable provision will be made to include the presentation in the agenda. The Deputy Designated Federal Officer is empowered to conduct the meeting in a fashion that will facilitate the orderly conduct of business. Each individual wishing to make public comment will be provided a maximum of five minutes to present their comments.

*Minutes:* The minutes of this meeting will be available for public review and copying at the Freedom of Information Public Reading Room, 1E-190, Forrestal Building, 1000 Independence Avenue, SW, Washington, DC 20585 between 9:00 a.m. and 4 p.m., Monday-Friday, except Federal holidays. Minutes will also be available by writing to Kevin Rohrer at the address listed above.

Issued at Washington, DC, on December 17, 2001.

**Rachel M. Samuel,**

*Deputy Advisory Committee Management Officer.*

[FR Doc. 01-31348 Filed 12-19-01; 8:45 am]

**BILLING CODE 6450-01-P**

## DEPARTMENT OF ENERGY

### Environmental Management Site-Specific Advisory Board, Fernald; Open Meeting

**AGENCY:** Department of Energy.

**ACTION:** Notice of open meeting.

**SUMMARY:** This notice announces a meeting of the Environmental Management Site-Specific Advisory Board (EM SSAB), Fernald. The Federal Advisory Committee Act (Pub. L. No. 92-463, 86 Stat. 770) requires that public notice of these meetings be announced in the **Federal Register**.

**DATES:** Saturday, January 12, 2002, 8:30 a.m.-12:00 p.m.

**ADDRESSES:** Public Environmental Information Center 10995 Hamilton-Cleves Highway, Harrison, OH.

### FOR FURTHER INFORMATION CONTACT:

Doug Sarno, Phoenix Environmental, 6186 Old Franconia Road, Alexandria, VA 22310, at (703) 971-0030 or (513) 648-6478, or e-mail: djsarno@theperspectivesgroup.com.

**SUPPLEMENTARY INFORMATION:** *Purpose of the Board:* The purpose of the Board is to make recommendations to DOE in the areas of environmental restoration, waste management, and related activities.

*Tentative Agenda:*

8:30 a.m., Call to Order

8:30-8:45 a.m., Chair's Remarks and Ex Officio Announcements

8:45-9:45 a.m., Current Remediation Issues, Silos, Efficiency Efforts

9:45-10:00 a.m., Break

10:00-11:15 a.m., Budget and Priority Issues for FY 2006 Planning

11:15-11:45 a.m., Update and Planning for Public Records Feasibility Study

11:45-12:00 p.m., Public Comments

12:00 p.m., Adjourn

*Public Participation:* The meeting is open to the public. Written statements may be filed with the Board chair either before or after the meeting. Individuals who wish to make oral statements pertaining to agenda items should contact the Board chair at the address or telephone number listed below. Requests must be received five days prior to the meeting and reasonable provision will be made to include the presentation in the agenda. The Deputy Designated Federal Officer, Gary Stegner, Public Affairs Office, Ohio Field Office, U.S. Department of Energy, is empowered to conduct the meeting in a fashion that will facilitate the orderly conduct of business. Each individual wishing to make public comment will be provided a maximum of five minutes to present their comments.

*Minutes:* The minutes of this meeting will be available for public review and copying at the Freedom of Information Public Reading Room, 1E-190, Forrestal Building, 1000 Independence Avenue, SW, Washington, DC, 20585 between 9:00 a.m. and 4:00 p.m., Monday-Friday, except Federal holidays.