Estimated Number of Awards: 12.

Cooperative

Estimated Range of Awards: $100,00–$500,000.

Estimated Average Size of Awards: $280,000.

Estimated Number of Awards: 3.

Estimated Number of Awards: 41.

Note: The Department is not bound by any estimates in this notice.

Project Period: Up to 36 months.

Applicable Regulations: (a) The Education Department General Administrative Regulations (EDGAR) in 34 CFR parts 74, 75, 77, 79, 83, 86, 97, 98, and 99; and (b) The regulations for this program in 34 CFR part 637.

Note: The regulations in 34 CFR part 86 apply to institutions of higher education only.

FOR APPLICATIONS AND FURTHER INFORMATION CONTACT: Mr. Kenneth Waters or Ms. Deborah Newkirk, Institutional Development and Undergraduate Education Service, U.S. Department of Education, 1990 K Street, NW, 6th Floor, Washington, DC 20006–8517. Telephone: (202) 502–7591 or via Internet: deborah_newkirk@ed.gov.

The government encourages applicants to FAX requests for applications to (202) 502–7861.

If you use a telecommunications device for the deaf (TDD), you may call the Federal Information Relay Service (FIRS) at 1–800–877–8339.

Individuals with disabilities may obtain this document in an alternative format (*e.g.,* Braille, large print, audiotape, or computer diskette) on request to the program contact persons listed under **FOR APPLICATIONS AND FURTHER INFORMATION CONTACT**.

Individuals with disabilities may obtain a copy of the application in an alternative format by contacting those persons. However, the Department is not able to reproduce in an alternative format the standard forms included in the application package.

Electronic Access to This Document

You may view this document, as well as all other Department of Education documents published in the **Federal Register**, in text or Adobe Portable Document Format (PDF) on the Internet at either of the following sites: *http://ocfo.ed.gov/fedreg.htm; http://www.ed.gov/news.html.*

To use PDF you must have Adobe Acrobat Reader, which is available free at either of the previous sites. If you have questions about using PDF, call the U.S. Government Printing Office (GPO), toll free, at 1–888–293–6498; or in the Washington, DC area at (202) 512–1530.

Note: The official version of this document is the document published in the **Federal Register**. Free Internet access to the official edition of the **Federal Register** and the Code of Federal Regulations is available on GPO Access at: http://www.access.gpo.gov/nara/index.html

Program Authority: 20 U.S.C. 1067–1067k.

Dated: December 27, 2000.

A. Lee Fritschler,

Assistant Secretary, Office of Postsecondary Education.

[FR Doc. 01–129 Filed 1–2–01; 8:45 am]

BILLING CODE 4000–01–P

DEPARTMENT OF ENERGY

Office of Science; Office of Science Financial Assistance Program Notice 01–15: Energy Biosciences

AGENCY: U.S. Department of Energy (DOE).

ACTION: Notice inviting grant applications.

SUMMARY: The Office of Basic Energy Sciences of the Office of Science (SC), U.S. Department of Energy (DOE) invites preapplications from potential applicants for research funding in the Energy Biosciences program area. The intent in asking for a preapplication is to save the time and effort of applicants in preparing and submitting a formal project application that may be inappropriate for the program. The preapplication should consist of a two to three page concept paper that focuses on the scientific objectives and basic research approaches planned. No budget information or biographical data need be included; nor is an institutional endorsement necessary. The preapplication gives us the opportunity to advise potential applicants on the suitability of the scope of the research proposed to the mission of the DOE Energy Biosciences program. A response indicating the appropriateness of submitting a formal application will be sent from the Energy Biosciences program office in time to allow for an adequate preparation period for a formal application.

DATES: For timely consideration, all preapplications should be received by March 1, 2001. However, earlier submissions will be gladly accepted. A response to timely preapplications will be communicated to the applicant by April 12, 2001. The deadline for receipt of formal applications is June 13, 2001.

ADDRESSES: Preapplications referencing Program Notice 01–15 should be forwarded to: U.S. Department of Energy, Office of Basic Energy Sciences, SC–143, Chemical Sciences, Geosciences and Biosciences Division, 19901 Germantown Road, Germantown, MD 20874–1290, Attn: Program Notice 01–15. Fax submissions are acceptable (Fax Number (301) 903–1003).

Formal applications, referencing Program Notice 01–15, must be sent to: U.S. Department of Energy, Office of Science, Grants and Contracts Division, SC–64, 19901 Germantown Road, Germantown, MD 20874–1290, ATTN: Program Notice 01–15. This address must also be used when submitting applications by U.S. Postal Service Express Mail or any commercial overnight delivery service, or when hand-carried by the applicant.

FOR FURTHER INFORMATION CONTACT: Ms. Pat Snyder, Chemical Sciences, Geosciences and Biosciences Division, Office of Basic Energy Sciences, SC–143, 19901 Germantown Road, Germantown, MD 20874–1290, telephone (301) 903–2873; E-mail pat.snyder@science.doe.gov.

SUPPLEMENTARY INFORMATION: Potential applicants should submit a brief preapplication which consists of two to three pages of narrative describing research objectives. These will be reviewed relative to the scope and the research needs of the Energy Biosciences program. The principal purpose in using preapplications is to reduce the expenditure of time and effort of all parties.

The Energy Biosciences program has the mission of generating knowledge about plants and non-medical related microorganisms that provide scientific foundations for future energy related biotechnologies. The objective is to pursue basic biochemical, genetic and physiological investigations that may contribute towards providing alternate fuels, petroleum replacement products, energy conservation measures as well as other technologies related to DOE programs. Areas of interest include bioenergetic systems, including photosynthesis; control of plant growth and development, including metabolic, genetic, and hormonal and ambient factor regulation, metabolic diversity, ion uptake, transport and accumulation, stress physiology and adaptation; genetic transmission and expression; plant-microbial interactions; plant cell wall structure and function; lignocellulose degradative mechanisms; mechanisms of fermentations, genetics of neglected microorganisms, energetics and membrane phenomena; thermophily (molecular basis of high temperature tolerance); microbial interactions; and one-carbon metabolism, which is the basis of

biotransformations such as methanogenesis. The program also encourages fundamental research in the biological sciences that interfaces with other traditional disciplines in the physical sciences. The objective is to discern and understand basic mechanisms and principles.

Funds are expected to be available for new grant awards in FY 2002. The magnitude of these funds available and the number of awards, which can be made, will depend on the budget process. The awards made during FY 2000 averaged close to $105,000 per year, mostly for a three-year duration.

When a formal application is made, it must be 10 pages or less, exclusive of figure illustrations, and include the hypotheses being tested and the proposed experimental design. Additional pages must include a one-page abstract or summary of the proposed research, curriculum vitae, a listing of all current and pending federal support, and letters of intent when collaborations are part of the proposed research.

Information about development and submission of applications, eligibility, limitations, evaluations and selection processes, and other policies and procedures may be found in the 10 CFR Part 605 and the Application Guide for the Office of Science Financial Assistance Program. Electronic access to SC's Financial Assistance Guide is possible via the Internet using the following Web Site address: http://www.sc.doe.gov/production/grants/grants.html.

DOE is under no obligation to pay for any costs associated with the preparation or submission of applications if an award is not made.

The Catalog of Federal Domestic Assistance number for this program is 81.049, and the solicitation control number is ERFAP 10 CFR Part 605.

Issued in Washington, DC on December 19, 2000.

John Rodney Clark,

Associate Director of Science for Resource Management.

[FR Doc. 01–77 Filed 1–2–01; 8:45 am]

BILLING CODE 6450–01–P

DEPARTMENT OF ENERGY

Office of Science

Office of Science Financial Assistance Program Notice 01–10: Scientific Discovery Through Advanced Computing—Advanced Computational Research in Fusion Science

AGENCY: U.S. Department of Energy (DOE).

ACTION: Notice inviting research grant applications.

SUMMARY: The Office of Fusion Energy Sciences (OFES) of the Office of Science (SC), U.S. Department of Energy (DOE) hereby announces its interest in receiving grant applications for the development of scientific simulation codes needed to address complex problems in fusion energy sciences. The goal is the creation of codes that achieve high performance on a single node, scale to hundreds of nodes and thousands of processors, and have the potential to be ported to future generations of high performance computers. This announcement is focused on some of the topical areas that are important to developing integrated models of fusion systems and require the capabilities of terascale computers. Specific areas of interest include:

- Turbulence and transport in order to predict energy and particle confinement in plasmas,
- Macroscopic equilibrium and stability to be able to predict stability limits in magnetically confined plasmas,
- Magnetic reconnection in order to understand the dynamo and ''sawtooth'' oscillations in plasmas,
- Electromagnetic wave/particle interactions to be able to predict heating and current drive in plasmas,
- Boundary layer effects in plasmas in order to predict the transport of heat and particles in the edge region of a fusion device, and
- Electromagnetic fields and beam dynamics in particle accelerators to model efficient, high-current heavy ion accelerators.

The full text of Program Notice 01–10 is available via the Internet at the following web site address: http://www.science.doe.gov/production/grants/grants.html.

DATES: Preapplications referencing this program notice must be received by 4:30 P.M. EST, January 31, 2001. A response encouraging or discouraging the submission of a formal application will be communicated by e-mail within 14 days.

Formal applications submitted in response to this notice must be received no later than 4:30 P.M., March 15, 2001, to be accepted for merit review and consideration for award in Fiscal Year 2001.

ADDRESSES: Preapplications referencing Program Notice 01–10 should be forwarded to: U.S. Department of Energy, Office of Science, Office of Fusion Energy Sciences, SC–55, 19901 Germantown Road, Germantown, Maryland 20874–1290, ATTN: John Sauter. Preapplications can also be submitted via E-mail at the following E-mail address: john.sauter@science.doe.gov Formal applications referencing Program Notice 01–10 should be forwarded to: U.S. Department of Energy, Office of Science, Grants and Contracts Division, SC–64, 19901 Germantown Road, Germantown, Maryland 20874–1290, ATTN: Program Notice 01–10. The above address must be used when submitting applications by U.S. Postal Service Express Mail, any commercial mail delivery service, or when hand-carried by the applicant. An original and seven copies of the application must be submitted.

FOR FURTHER INFORMATION CONTACT: Dr. Stephen Eckstrand or Dr. Arnold Kritz, Office of Fusion Energy Sciences, SC–55, U.S. Department of Energy, 19901 Germantown Road, Germantown, MD 20874–1290. Telephone numbers and e-mail addresses are listed below:

Stephen Eckstrand: telephone (301) 903–5546, e-mail steve.eckstrand@science.doe.gov

Arnold Kritz: telephone (301) 903–2027, e-mail arnold.kritz@science.doe.gov

SUPPLEMENTARY INFORMATION:

Background: Scientific Discovery Through Advanced Computing

Advanced scientific computing will be a key contributor to scientific research in the 21st Century. Within the Office of Science (SC), scientific computing programs and facilities are already essential to progress in many areas of research critical to the nation. Major scientific challenges exist in all SC research programs that can best be addressed through advances in scientific supercomputing, *e.g.*, designing materials with selected properties, elucidating the structure and function of proteins, understanding and controlling plasma turbulence, and designing new particle accelerators. To help ensure its missions are met, SC is bringing together advanced scientific computing and scientific research in an integrated program entitled ''Scientific Discovery through Advanced Computing.''