

**SUPPLEMENTARY INFORMATION:****1. Authority**

Part B of Title III of the Energy Policy and Conservation Act, Public Law 94-163, created the Energy Conservation Program for Consumer Products other than Automobiles (Program). The most recent amendment, the Energy Policy Act of 1992 (EPACT), Public Law 102-486, identified several new categories of products and equipment for inclusion in various required and voluntary testing and information programs to promote energy efficiency and water conservation. Section 123 of EPACT established maximum water use standards for showerheads, faucets, water closets and urinals for equipment manufactured after January 1, 1994. In addition, Section 123 requires the Secretary of Energy to issue recommendations to the States for establishing State and local incentive programs designed to encourage the acceleration of voluntary replacement, by consumers, of existing showerheads, faucets, water closets, and urinals with those products that meet the new statutory standards. In developing the recommendations, the Secretary is required to consult with the heads of other Federal agencies, including the Administrator of the Environmental Protection Agency; State officials; manufacturers, suppliers, and installers of plumbing products; and other interested parties.

**2. Background**

On June 20, 1994, the Department of Energy held a meeting in New York City as part of the American Water Works Association's annual conference to receive suggestions on how it should proceed to elicit broad participation in the process for developing recommendations, with input on all pertinent issues regarding State and local incentive programs. Approximately 30 people attended, of whom 6 submitted written proposals suggesting various courses of action for the Department. Discussions continued at a meeting of the National Association of Plumbing-Heating-Cooling Contractors in Las Vegas on September 29, 1994. Ideas and suggestions have been consolidated into an outline which will form the basis for a resource guide being developed by the Department and its contractor, Lawrence Berkeley Laboratory.

**3. Public Meeting Procedure**

The purpose of the meeting is to discuss the outline and resource document developed thus far by the Department of Energy. Informal

discussion will follow an introductory presentation by the Department.

Issued in Washington, DC, January 19, 1995.

**Marvin E. Gunn, Jr.,**

*Acting Assistant Secretary, Energy Efficiency and Renewable Energy.*

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BILLING CODE 6450-01-P

**Office of Energy Research****Energy Research Financial Assistance Program Notice 95-13: National Information Infrastructure**

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

**ACTION:** Notice inviting grant applications.

**SUMMARY:** The Office of Scientific Computing of the Office of Energy Research (ER), U.S. Department of Energy (DOE) hereby announces its interest in receiving research grant applications to support DOE's program in the President's National Information Infrastructure (NII) initiative. The DOE program is integral to and supportive of the multi-agency NII initiative through the High Performance Computing and Communications (HPCC) program which has been in place since 1992.

DOE supports NII's goals through the Information Infrastructure Technology and Applications (IITA) component of the HPCC program by (1) supporting research and development to solve important scientific and technical challenges; (2) reducing the uncertainties in industrial research and development through increased cooperation between government, industry, and universities and by continued use of government and government-funded facilities as a prototype user of early commercial NII products; and (3) supporting the underlying research, network, and computational infrastructures on which NII applications are based.

**DATES:** To permit timely consideration of awards in FY 1995, formal applications submitted in response to this notice must be received by March 15, 1995. Earlier submission is encouraged.

**ADDRESSES:** Formal applications referencing Program Notice 95-13 should be forwarded to: U.S. Department of Energy, Office of Energy Research, Acquisition and Assistance Management Division, ER-64, (GTN), Washington, DC 20585. Attn: Program Notice 95-13. The following 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: U.S. Department of Energy, Office of Energy Research, Acquisition and Assistance Management Division, ER-64, 19901 Germantown Road, Germantown, MD 20874.

**FOR FURTHER INFORMATION CONTACT:**

Mary Anne Scott, Program Manager, Office of Scientific Computing, Office of Energy Research, ER-30/GTN, U.S. Department of Energy, Washington, DC 20585. (301) 903-9958. E-mail to hpcc@er.doe.gov.

**SUPPLEMENTARY INFORMATION:** The NII program announced by Vice President Gore in 1993 encapsulates the promise of the Information Age to transform our society. Historically, communication and computing technology, i.e., leading edge information technology, has been a powerful instrument of change in our society. The National Information Infrastructure program seeks to enhance national competitiveness and improve the quality of life of the general populace. The principles and goals of the NII are: (1) Promote private sector investment; (2) extend the "universal service" concept to assure that information resources are available to all at affordable prices; (3) promote technological innovation and new applications; (4) promote seamless, interactive, user-driven operation of the NII; (5) ensure information security and network reliability; (6) improve management of the radio frequency spectrum; (7) protect intellectual property rights; (8) coordinate with other levels of government and with other nations; and (9) provide access to government information and improve government procurement.

The DOE program is to approach these goals by supporting the NII through the Information Infrastructure Technology and Applications (IITA) component of the HPCC program and requests applications for grants to support research in the following areas:

**I. Wide Area and Distributed Network Based Technologies To Support Energy Demand and Supply Management**

The management of energy demand is a serious concern for two reasons: there is the dependence on imported oil and gas, which affects the balance of payments, and there are environmental concerns with respect to the burning of fossil fuels. The utility companies use telecommunications to support their principal business of managing and providing energy to their customers. However, the evolving nature of the

corporate utility business requires the development of new distributed network technologies in areas such as interoperability, authentication, privacy control, and multicast data aggregation in order to enhance the existing capabilities of utilities for real-time energy demand and supply management. In addition, the technologies and infrastructures that support energy consumers and utility providers may be leveraged to accommodate other service providers by providing access to services and resources over the NII. Grant applications are sought for the development and implementation of both wide area based and distributed network tools, technologies, and protocols that enable energy utilities to improve efficiency, conservation, billing and customer service, and promotes end user interaction and control over their use of energy. These tools, technologies, and protocols must be scalable and operable over both the Internet and NII. Applicants are expected to be familiar with the current state of the art in these areas, especially in regard to issues dealing with how the consumer interfaces and connects to both the utility and the National Information Infrastructure. These technologies may include, but are not limited to:

- distributed computing technologies to integrate residential information and energy appliances in addition to computer-based energy monitoring and control systems; to enable energy management in commercial public buildings; and to provide end users an interactive interface to delivery systems and to the Internet and NII through these delivery systems;
- distributed data handling and analysis tools for the compilation, interpretation and intelligent use of energy production and usage statistics;
- security systems to ensure customer privacy and prevent unauthorized access;
- demonstration or prototype projects to evaluate energy demand management applications over the Internet and the NII.

## **II. Wide Area Network (WAN) Based Hierarchical, Distributed Database and Data Storage Technologies and Techniques**

The advances in high performance computing and communications, combined with the sophisticated demands of both Grand and National Challenge applications, have accelerated the need for distributed, fast, interoperable and scaleable technologies and techniques for storing,

manipulating, and querying large data sets to handle the increased amounts of information. As a result, query techniques that are independent of database structures have become more important. Grant applications are sought for the development and implementation of technologies and techniques for managing large datasets using WAN-based storage and database tools and protocols.

## **III. Wide Area Network (WAN) Based Collaboration Technology, Remote Facilities Usage, and Application Development**

The need to efficiently share information and facilities remotely, in addition to the growing requirement for telepresence and telecommuting capabilities, requires enhanced collaborative technologies and techniques such as packetized video/audio streams and multimedia conferencing, shared whiteboards and concurrent editing/markup capabilities. Grant applications are sought for the development, implementation, and advanced uses of WAN-based technologies and techniques for providing real-time, interactive voice, video and data exchange across the Internet and other large distributed heterogeneous networks in addition to the demonstration of emerging technologies in an NII application context such as education, remote facility utilization, or environment applications.

## **IV. Wide Area Network Authentication and Security**

The growth of networking, as evidenced by the increased usage of the Internet and the attention devoted to the National Information Infrastructure, will continue at its current rapid pace. The components of large interconnected networks, local networks, hosts, computers, information, data, applications and users, all require some level of security. As the number of individuals, businesses, schools and other entities using networks grows, so does the need for more sophisticated authentication and security tools. Conversely, as information technologies become ubiquitous via the NII, it is important to protect the privacy of the end users of the NII. Grant applications are sought for the development, implementation, or advanced integration of scalable, WAN-based security and privacy tools and protocols in the areas of application and user interfaces, information search and retrieval, and data storage and transmission that can operate across the

Internet and other large distributed, heterogeneous networks.

## **V. Gigabit Technology Research**

Energy demand and supply management, heterogenous distributed computing and virtual collaborative environments will continue to drive high performance communications to meet both the aggregate and high end resource application requirements. Grant applications are sought for the development and/or demonstration of technologies to enable communications networks, such as the Energy Sciences network (ESnet), to support the aforementioned requirements for future information and data intensive network applications. These can include, but are not limited to: advanced collaborative audio/visual tools; management and control of heterogeneous traffic across local, metropolitan, and wide area ATM networks; and network evolution and management tools (e.g., for IPv6, IP over ATM, IPv4, multicast, and ATM to ATM).

In all the above areas, tools, technologies, protocols, services, and demonstration projects proposed should be scalable and interoperable with the heterogenous NII and Internet technologies and services at both the hardware level and at the software gateway levels. For example, a multiprotocol router gateway to residences/industrial buildings should also work over a wide variety of access media. Applicants are also expected to be familiar with the current state of the art in the area of their application submission.

Collaborative research and innovative partnering among investigators at industrial firms, universities and National Laboratories are encouraged. It is expected that grants will be awarded in the range of \$100,000 to \$500,000 for periods of one to three years.

The FY 1995 Federal program is summarized in "High Performance Computing and Communications" Technology for the National Information Infrastructure—a Supplement to the President's Fiscal Year 1995 Budget. This report can be requested by calling (301) 903-9958. A report, "The Information Infrastructure: Reaching Society's Goals—Report of the Information Infrastructure Task Force Committee on Applications and Technology," has been issued for public comment that addresses eight areas, including electrical power, in which NII applications can enhance the quality of life. This report is available by calling (301) 975-4529.

In evaluating the scientific merit of the applications submitted, the

following additional criteria will be considered: (1) use and integration of current Internet and NII services; (2) potential for impact on and advancement of NII applications, such as those called out by the Committee on Applications and Technology, especially Energy Demand and Supply Management; (3) potential for marketable and/or deployable technology and systems; and (4) innovative partnerships.

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, D.C. on January 9, 1995.

**D.D. Mayhew,**

*Director, Office of Management, Office of Energy Research.*

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## Federal Energy Regulatory Commission

[Docket No. ER95-185-000, et al.]

### Baltimore Gas & Electric Company, et al.; Electric Rate and Corporate Regulation Filings

January 13, 1995.

Take notice that the following filings have been made with the Commission:

#### 1. Baltimore Gas & Electric Company

[Docket Nos. ER95-185-000 and ER95-186-000]

Take notice that on January 4, 1994, Baltimore Gas & Electric Company tendered for filing an amendment in the above-referenced dockets.

*Comment date:* January 26, 1995, in accordance with Standard Paragraph E at the end of this notice.

#### 2. West Texas Utilities Company

[Docket No. ER95-245-000]

Take notice that on January 9, 1995, West Texas Utilities Company tendered for filing an amendment in the above-referenced docket.

*Comment date:* January 27, 1995, in accordance with Standard Paragraph E at the end of this notice.

#### 3. Maine Public Service Company

[Docket No. ER95-374-000]

Take notice that on December 30, 1994, Maine Public Service Company (Maine Public) tendered for filing new power sales agreements involving Eastern Maine Electric Cooperative, Inc. and Van Buren Light and Power District. Maine Public requests a January 1, 1995 effective date.

*Comment date:* January 27, 1995, in accordance with Standard Paragraph E at the end of this notice.

#### 4. Tucson Electric Power Company

[Docket No. ER95-376-000]

Take notice that on December 30, 1994, Tucson Electric Power Company (Tucson) tendered for filing a Wholesale Power Supply Agreement between Tucson and the Navajo Tribal Utility Authority (NTUA). The Agreement provides for the sale by Tucson to NTUA of up to 12 MW of firm capacity and energy.

The parties request an effective date of January 1, 1994, and therefore request waiver of the Commission's regulations with respect to notice of filing.

Copies of this filing have been served upon all parties affected by this proceeding.

*Comment date:* January 27, 1995, in accordance with Standard Paragraph E at the end of this notice.

#### 5. Northeast Utilities Service Company

[Docket No. ER95-377-000]

Take notice that Northeast Utilities Service Company (NUSCO), on December 30, 1994, tendered for filing a Service Agreement with Connecticut Municipal Electric Energy Cooperative (CMEEC) under the NU System Companies' System Power Sales/Exchange Tariff No. 6.

NUSCO states that a copy of this filing has been mailed to CMEEC.

NUSCO requests that the Service Agreement become effective on January 1, 1995.

*Comment date:* January 27, 1995, in accordance with Standard Paragraph E at the end of this notice.

#### 6. PacifiCorp

[Docket No. ER95-380-000]

Take notice that on January 4, 1995, PacifiCorp tendered for filing in accordance with 18 CFR Part 35 of the Commission's Rules and Regulations, the Second Amendment to the Agreement for Mitigation of Major Loop Flow among PacifiCorp, Pacific Gas and Electric Company (PG&E) and Southern California Edison Company (SCE), PacifiCorp Rate Schedule FERC No. 298.

Copies of this filing were supplied to PG&E, SCE, the Public Utility Commission of Oregon, the Utah Public Service Commission and the Public Utilities Commission of the State of California.

*Comment date:* January 27, 1995, in accordance with Standard Paragraph E at the end of this notice.

### 7. Allegheny Power Service Corporation on behalf of West Penn Power Company

[Docket No. ER95-381-000]

Take notice that on December 23, 1994, Allegheny Power Service Corporation on behalf of West Penn Power Company submitted Supplement No. 1 to the above-referenced docket to add a new delivery point for borderline service with Pennsylvania Power & Light Company.

Copies of the filing have been provided to the Pennsylvania Public Utility Commission and all parties of record.

*Comment date:* January 27, 1995, in accordance with Standard Paragraph E at the end of this notice.

### 8. Central Vermont Public Service Corporation

[Docket No. ER95-382-000]

Take notice that on December 27, 1994, Central Vermont Public Service Corporation (Central Vermont) tendered for filing an amendment to its FPC Rate Schedule 29, Supplement 1.

Central Vermont requests the Commission to waive its notice of filing requirement to permit the amendment to become effective according to its terms. In support of its requests Central Vermont states that allowing the Service Agreement to become effective as provided will enable the Company and its customers to achieve mutual benefits.

*Comment date:* January 27, 1995, in accordance with Standard Paragraph E at the end of this notice.

### 9. Northern States Power Company

[Docket No. ER95-386-000]

Take notice that on January 5, 1995, Northern States Power Company (Minnesota) (NSP) tendered for filing the Construction Agreement between NSP and Cooperative Power Association (CPA), dated December 21, 1994. This agreement allows for Cooperative Power Association to replace the switch and switch structure at the Penelope connection, which is one of the original connections in the Integrated Transmission System established by the Integrated Transmission Agreement between NSP and CPA dated August 25, 1967.

NSP requests that the Commission accept for filing this agreement effective as of the date of execution, December 21, 1994, and requests waiver of Commission's notice requirements in order for the Agreement to be accepted for filing on that date. NSP requests that the Agreement be accepted as a supplement to Rate Schedule No. 342,