systems. The lack of suitable on-line measurement technology represents the primary motivation for seeking out new developments in sensor technology. The specific objective of this solicitation is to seek out new fundamental approaches to sensor concepts, materials, design, and fabrication that have potential application in the harsh environment of the advanced fossil fuel-based energy production systems. The types of projects sought through this solicitation include laboratory and bench-scale testing as well as fundamental research that addresses the barriers associated with ultra-high temperature operation.

The research objectives are to:

(1) Develop an understanding of the sensor mechanisms acquired by nano-scale design,

(2) Develop technology for fusion of high temperature materials and advanced sensors,

(3) Develop long term high temperature data for life prediction and reliability,

(4) Devise life assessment models and experimental verification,

(5) Obtain a quantitative description of the evolutionary processes that lead to failure and predict response of sensor materials in complex environments,

(6) Miniaturize sensors, and

(7) Explore self-contained sensor intelligence based on smart materials.[1]

While the solicitation seeks out fundamental developments, the ultimate goal of the sensor program is to develop devices that can used for the measurement of temperature, pressure, and detection of various gases (O_2, H_2, N_2, H_2S, CH_4, etc.) under conditions of high temperature (1000°C) and elevated pressures (up to 500 psi). Low cost, in situ or embedded sensors that survive approximately one year of service in the presence corrosive and erosive conditions are ideal. The incorporation of self diagnostics/smart sensor functions is desired to verify performance and accuracy.

It is anticipated that this program solicitation will result in three (3) to six (6) awards. The period of performance for each award will range from one to three years with budget periods to be established independently based on the logical technical phases of each individual project. Cost sharing is encouraged, but not required under the subject program solicitation.

Once released, the solicitation will be available for downloading from the IIPS Internet page. At this Internet site you will also be able to register with IIPS, enabling you to submit an application. If you need technical assistance in registering or for any other IIPS function, call the IIPS Help Desk at (800) 683–0751 or E-mail the Help Desk personnel at *IIPS_HelpDesk@e-center.doe.gov.* The solicitation will only be made available in IIPS, no hard (paper) copies of the solicitation and related documents will be made available. Telephone requests, written requests, E-mail requests, or facsimile requests for a copy of the solicitation package will not be accepted and/or honored. Applications must be prepared and submitted in accordance with the instructions and forms contained in the solicitation. The actual solicitation document will allow for requests for explanation and/or interpretation. However, all questions relating to the solicitation must be submitted electronically through IIPS. All responses to questions, as well as all amendments to the solicitation, will be released on the IIPS homepage.

Issued in Pittsburgh, Pennsylvania, on January 9, 2003.

Dale A. Siciliano,

Acting Director, Acquisition and Assistance Division.

[FR Doc. 03–1096 Filed 1–16–03; 8:45 am]

BILLING CODE 6450–01–P

[1] Smart materials may be defined as the materials that respond to environmental changes at optimal conditions and manifest their functions according to the changes. The generic term ''smart materials'' includes the materials and probes that can provide information on a coating or process material while in service. The information can be used via a suitable process control mechanism to assess remaining life as well as to regulate the operating conditions. Examples of smart materials are shape memory alloys, optical fiber hybrid composites, and piezoelectric hybrid composites.

DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

[Docket No. RP03–232–000]

Eastern Shore Natural Gas Company; Notice of Tariff Filing

January 13, 2003.

Take notice that on January 9, 2003, Eastern Shore Natural Gas Company (ESNG) tendered for filing as part of its FERC Gas Tariff, Second Revised Volume No. 1, the following tariff sheets, with a proposed effective date of February 1, 2003:

Forty-Second Revised Sheet No. 7
Forty-Second Revised Sheet No. 8

ESNG states that the purpose of this instant filing is to track rate changes attributable to a storage service purchased from Columbia Gas Transmission Corporation (Columbia) under its Rate Schedule FSS. The costs of the above referenced storage service comprises the rates and charges payable under ESNG's Rate Schedule CFSS. This tracking filing is being made pursuant to section 3 of ESNG's Rate Schedule CFSS.

ESNG states that copies of the filing have been served upon its jurisdictional customers and interested State Commissions.

Any person desiring to be heard or to protest said filing should file a motion to intervene or a protest with the Federal Energy Regulatory Commission, 888 First Street, NE., Washington, DC 20426, in accordance with sections 385.214 or 385.211 of the Commission's rules and regulations. All such motions or protests must be filed in accordance with section 154.210 of the Commission's regulations. Protests will be considered by the Commission in determining the appropriate action to be taken, but will not serve to make protestants parties to the proceedings. Any person wishing to become a party must file a motion to intervene. This filing is available for review at the Commission in the Public Reference Room or may be viewed on the Commission's Web site at *http://www.ferc.gov* using the ''FERRIS'' link. Enter the docket number excluding the last three digits in the docket number field to access the document. For assistance, please contact FERC Online Support at *FERCOnlineSupport@ferc.gov* or toll-free at (866) 208–3676, or TTY, contact (202) 502–8659. Comments, protests and interventions may be filed electronically via the Internet in lieu of paper. The Commission strongly encourages electronic filings. *See* 18 CFR 385.2001(a)(1)(iii) and the instructions on the Commission's Web site under the ''e-Filing'' link.

Comment Date: January 22, 2003.

Magalie R. Salas,

Secretary.

[FR Doc. 03–1173 Filed 1–16–03; 8:45 am]

BILLING CODE 6717–01–P

DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

[Project No. P–6564]

Jane A. Horning; Notice of Site Visit

January 13, 2003.

Jane A. Horning, exemptee, for the Brunswick Creek Hydroelectric Project (project), in Washington County, North Plains, Oregon, requests to surrender her exemption. On January 30, 2003, the