

Correction

In Notice document 98-7155, beginning on page 13396, in the issue of Thursday, March 19, 1998, make the following correction: on page 13397, in the first column, in the fourth line, "1-800-635-4080" should read "1-888-635-4080."

Dated: April 14, 1998.

James M. Owendoff,

Acting Assistant Secretary for Environmental Management.

[FR Doc. 98-10317 Filed 4-17-98; 8:45 am]

BILLING CODE 6450-01-P

DEPARTMENT OF ENERGY**Office of Energy Research****Energy Research Financial Assistance Program Notice 98-16; Genome Instrumentation Research Program**

AGENCY: Department of Energy

ACTION: Notice inviting grant applications.

SUMMARY: The Office of Biological and Environmental Research (BER) of the Office of Energy Research (ER) of the U.S. Department of Energy (DOE), hereby announces its interest in receiving applications in Instrumentation Research supporting the Human Genome Program. Applications are sought from a broad range of scientists with backgrounds in biology, chemistry, physics, and engineering including those not presently involved in the Human Genome Program. Both substantive improvements to current systems and novel and creative new strategies are needed in preparation for the needs of biology in the next century. New instrumentation and technical approaches are sought for DNA sequencing, automation and integration of DNA sequencing systems, validation of DNA sequencing accuracy, and the determination of gene function of newly sequenced DNA. The goals are to reduce costs and increase the throughput while maintaining accuracy for production DNA sequencing and related analyses. **DATES:** Potential applicants are strongly encouraged to submit a brief preapplication. All preapplications should be received by DOE by 4:30 p.m., e.d.t., June 8, 1998. Early submissions are encouraged. A response encouraging or discouraging a formal application will be communicated to the applicant within two weeks of receipt.

Formal applications, in response to this notice, must be received by 4:30 p.m., e.d.t., August 19, 1998, in order to be accepted for merit review and to

permit timely consideration for award in Fiscal Year 1999.

ADDRESSES: Preapplications, referencing Program Notice 98-16, should be forwarded to: Dr. Charles G. Edmonds, Medical Applications and Biophysical Research Division, ER-73, U.S. Department of Energy, 19901 Germantown Road, Germantown, MD 20874-1290, Attn: Program Notice 98-16. Preapplications will also be accepted by Fax and E-mail: Fax number: (301) 903-0567 and E-mail: charles.edmonds@oer.doe.gov.

Formal applications, referencing Program Notice 98-16, should be forwarded to: U.S. Department of Energy, Office of Energy Research, Grants and Contracts Division, ER-64, 19901 Germantown Road, Germantown, MD 20874-1290, Attn: Program Notice 98-16. This address also must be used when submitting applications by U.S. Postal Service Express Mail, or 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. Charles G. Edmonds, Medical Applications and Biophysical Research Division, ER-73, 19901 Germantown Road, Germantown, MD 20874-1290; telephone: (301) 903-0042; E-mail: charles.edmonds@oer.doe.gov. The full text of Program Notice 98-16 is available via the Internet using the following web site address: <http://www.er.doe.gov/production/grants/grants.html>.

SUPPLEMENTARY INFORMATION: The Office of Biological and Environmental Research of the U. S. Department of Energy and the National Human Genome Research Institute of the National Institutes of Health are participating in a coordinated international program to "determine the complete sequence of the human genome, discover all the human genes and render them accessible for further biological study." As this program continues, improvement of sequencing technology is essential to complete the sequence of the 3 billion subunits of the human genome by the target year of 2005. Functional analyses of the displayed genes and their encoded proteins will continue long thereafter.

In December of 1997 a DOE-sponsored review of the DOE Human Genome Program was published by the JASON Program Office of the MITRE Corporation. A summary and related discussion has been printed: Science, 279(5347), (1998) 36-37; Science, 279(5347), (1989) 23; and Science, 279(5354), (1989) 1115-1116. The full

report can be accessed on the Internet using the following web address: <http://www.ornl.gov/hgmis/publicat/miscpubs/jason/index.html>. A more general discussion of the Human Genome Program may be found in Primer on Molecular Genetics available on the Internet using the following web address: http://www.ornl.gov/TechResources/Human_Genome/publicat/primer/intro.html.

These documents and companion references will be particularly useful to scientists and engineers less knowledgeable regarding current genomic technologies and projected needs.

Production scale sequencing has been initiated based largely on gel electrophoresis with data acquisition by laser induced fluorescence. Additionally, sequence comparison tasks are performed using "sequencing by hybridization" technologies. However, it may not be possible to achieve the desired goal within the available budget and project period without substantial improvements in speed and reliability of sequencing methods and other techniques currently in widespread use. Continuing developments of existing approaches to address the necessities of the production environment will be required.

Further, with an eye to the future, basic research is also needed that will substantially speed and enhance genomic analyses in the years following the projected completion of the human genome in the year 2005. After this date, the need for fast and cost-effective determination of DNA sequence for the comparison of sequences among human individuals and also for the determination of the genomes of numerous organisms of biomedical and commercial interest will be ongoing. Additionally, with the continuing acquisition of this remarkable base of biological data, high throughput experimental tools will be required to assist conversion into a practical and useful understanding of the function for the encoded gene products.

Both substantial evolutionary improvements in current systems and also revolutionary technologies for the post-2005 era are sought under this solicitation.

Research applications are invited:

- To develop approaches to more rapidly, accurately, and economically determine DNA sequence. Cost-effective approaches that increase current maximum read lengths of 800-1000 bases by at least a factor of 2.5, i.e., to at least 2000-2500 bases, are particularly desired.

- To develop instrumentation that integrates and more thoroughly automates the current steps of DNA sequence determination, e.g., sample preparation, sample loading, sample analysis, and data analysis. A priority will be placed on approaches that emphasize miniaturization and micro-fabrication.

- To develop approaches that (1) verify the accuracy of a previously determined DNA sequence without having to redetermine its entire sequence and (2) provide economical error checking and proofreading of newly determined DNA sequence.

- To develop tools that enable the efficient comparison of a known DNA sequence with a related but previously undetermined DNA sequence.

- To develop techniques for determining the functions of large numbers of genes in parallel. Techniques that match the speed and volume of DNA sequence determination are particularly desired.

The success of devices, methods or techniques for DNA sequencing is dependent on downstream data technologies. Where appropriate, applications should account for the necessary link to current information technology and existing data sets in their plans to address the technical challenges enumerated above.

Program Funding

It is anticipated that up to a total of \$2,000,000 will be available for multiple awards to be made in Fiscal Year 1999 funding grants for the new Genome Instrumentation Research Program, contingent on the availability of appropriated funds. Award sizes are expected to be on the order of \$100,000–600,000 per year for total project costs for a typical three-year grant with out-year support contingent on the availability of funds, progress of research and programmatic needs. Collaborative projects involving several research groups or more than one institution may receive larger awards if merited. A similar announcement is being simultaneously issued to the DOE National Laboratories.

Collaboration

Applicants are encouraged to collaborate with researchers in other institutions, such as universities, industry, non-profit organizations, federal laboratories and federally funded research and development centers (FFRDCs), including the DOE National Laboratories, where appropriate, and to incorporate cost sharing and/or consortia wherever feasible.

Collaborative research applications may be submitted in several ways:

(1) When multiple private sector or academic organizations intend to propose collaborative or joint research projects, the lead organization may submit a single application which includes another organization as a lower-tier participant (subaward) who will be responsible for a smaller portion of the overall project. If approved for funding, DOE may provide the total project funds to the lead organization who will provide funding to the other participant via a subcontract arrangement. The application should clearly describe the role to be played by each organization, specify the managerial arrangements and explain the advantages of the multi-organizational effort.

(2) Alternatively, multiple private sector or academic organizations who intend to propose collaborative or joint research projects may each prepare a portion of the application, then combine each portion into a single, integrated scientific application. A separate Face Page and Budget Pages must be included for each organization participating in the collaborative project. The joint application must be submitted to DOE as one package. If approved for funding, DOE will award a separate grant to each collaborating organization.

(3) Private sector or academic organizations who wish to form a collaborative project with a DOE FFRDC may not include the DOE FFRDC in their application as a lower-tier participant (subaward). Rather, each collaborator may prepare a portion of the proposal, then combine each portion into a single, integrated scientific proposal. The private sector or academic organization must include a Face Page and Budget Pages for its portion of the project. The FFRDC must include separate Budget Pages for its portion of the project. The joint proposal must be submitted to DOE as one package. If approved for funding, DOE will award a grant to the private sector or academic organization. The FFRDC will be funded, through existing DOE contracts, from funds specifically designated for new FFRDC projects. DOE FFRDCs will not compete for funding already designated for private sector or academic organizations. Other Federal laboratories who wish to form collaborative projects may also follow guidelines outlined in this section.

Preapplications

A brief preapplication may be submitted. The preapplication should identify, on the cover sheet, the

institution, Principal Investigator name, address, telephone, fax and E-mail address, title of the project, and the field of scientific research. The preapplication should consist of a two to three page narrative describing the research project objectives and methods of accomplishment. These will be reviewed relative to the scope and research needs described in this Notice.

Preapplications are strongly encouraged but not required prior to submission of a full application. Please note that notification of a successful preapplication is not an indication that an award will be made in response to the formal application.

Applications will be subjected to a scientific merit review (peer review) and will be evaluated against the following evaluation criteria listed in descending order of importance as codified at 10 CFR 605.10(d):

1. Scientific and/or Technical Merit of the Project,
2. Appropriateness of the Proposed Method or Approach,
3. Competency of Applicant's Personnel and Adequacy of Proposed Resources,
4. Reasonableness and Appropriateness of the Proposed Budget.

The evaluation will include program policy factors such as the relevance of the proposed research to the terms of the announcement and an agency's programmatic needs. Note, external peer reviewers are selected with regard to both their scientific expertise and the absence of conflict-of-interest issues. Non-federal reviewers may be used, and submission of an application constitutes agreement that this is acceptable to the investigator(s) and the submitting institution.

Information about development and submission of applications, eligibility, limitations, evaluation, selection process, and other policies and procedures may be found in 10 CFR part 605 and in the Application Guide for the Office of Energy Research Financial Assistance Program. Electronic access to the Guide and required forms is made available via the World Wide Web at: <http://www.er.doe.gov/production/grants/grants.html>.

Energy Research, as part of its grant regulations, requires at 10 CFR 605.11(b) that a recipient receiving a grant to perform research involving recombinant DNA molecules and/or organisms and viruses containing recombinant DNA molecules shall comply with the National Institutes of Health "Guidelines for Research Involving Recombinant DNA Molecules," which is available via the World Wide Web at:

<http://www.niehs.nih.gov/odhsb/biosafe/nih/nih97-1.html>, (59 FR 34496, July 5, 1994), or such later revision of those guidelines as may be published in the **Federal Register**.

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 April 9, 1998.

John Rodney Clark,

Associate Director for Resource Management, Office of Energy Research.

[FR Doc. 98-10318 Filed 4-17-98; 8:45 am]

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DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

[Docket No. CP98-304-000]

Arcadia Midcoast of New York, L.L.C. Complainant, vs. CNG Transmission Corporation Respondent; Notice of Complaint

April 14, 1998.

Take notice that on March 25, 1998, Arcadia Midcoast of New York, L.L.C. (Arcadia), 1100 Louisiana, Suite 2950, Houston, Texas 77002, filed with the Commission in Docket No. CP98-304-000 a complaint, pursuant to Rule 206 of the Commission's Rules of Practice and Procedure, against CNG Transmission Corporation (CNGT), alleging undue discrimination in violation of the Natural Gas Act, Commission rules, regulations, orders, and actions interfering with interstate commerce.

Arcadia requests that the Commission issue an order compelling CNGT to establish an interconnection so that Arcadia may provide direct natural gas service to Sabin Metal Corporation (Sabin) in Scottsville, New York. Arcadia states that CNGT currently transports natural gas for Arcadia's account to Rochester Gas and Electric (RG&E), a local distribution company. RG&E then delivers the gas to Sabin. Arcadia also states that Sabin estimates it can save \$50,000 annually by obtaining gas directly from CNGT rather than via RG&E. Accordingly, Arcadia further states that Sabin asked Arcadia to arrange with CNGT to change an existing receipt tap on CNGT's system at Caledonia, New York, to a receipt/delivery tap so direct deliveries could be made to Sabin. Sabin would then construct and own, or have constructed, a 12,000-foot, 6-inch diameter pipeline

from the CNGT interconnection to Sabin's Scottsville metal fabrication plant. Sabin uses approximately 1,500 Mcf of natural gas per day at the Scottsville plant.

Arcadia alleges that CNGT by letter dated January 16, 1998, denied Arcadia's request to construct the proposed interconnection because CNGT " * * * has not offered and is not proposing to offer customers taps on CNGT pipeline that bypass its LDC customers like RG&E." Arcadia further alleges that CNGT alluded in subsequent telephone conversations that the proposed interconnection might cause CNGT some operational problems, but the nature of the alleged operational problems were not clearly identified.

Arcadia alleges that CNGT's refusal to provide the interconnection for Sabin, as requested: (a) is unduly discriminatory and therefore violates Section 5 of the NGA; (b) also violates the Commission's competition policies defined in Order Nos. 436 and 636; and, (c) is not justified by any operational, environmental, or legal grounds. For these reasons, Arcadia believes that CNGT should be compelled to construct the proposed interconnection.

Any person desiring to be heard or to make a protest with reference to Arcadia's complaint should file with the Federal Energy Regulatory Commission, 888 First Street, N.E., Washington, D.C. 20426, a motion to intervene or protest in accordance with the Commission's Rules of Practice and Procedure (18 CFR 385.211 or 385.214). All such motions, together with the answer of Respondent to the Complaint, should be filed on or before April 30, 1998. Any person desiring to become a party must file a motion to intervene. Copies of this filing are on file with the Commission and are available for public inspection.

Linwood A. Watson, Jr.,

Acting Secretary.

[FR Doc. 98-10290 Filed 4-17-98; 8:45 am]

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DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

[Docket No. CP98-338-000]

Florida Gas Transmission Company; Notice of Request Under Blanket Authorization

April 14, 1998.

Take notice that on April 7, 1998, Florida Gas Transmission Company (FGT), P.O. Box 1188, Houston, Texas

77251-1188, filed in Docket No. CP98-338-000 a request pursuant to Sections 157.205 and 157.212 of the Commission's Regulations under the Natural Gas Act (18 CFR 157.205, 157.212) for authorization to construct, own, and operate a new delivery point, located in Orange County, Florida, to accommodate deliveries of natural gas to TECO Peoples Gas Inc. (TECO) under FGT's blanket certificate issued in Docket No. CP82-553-000, pursuant to Section 7(c) of the Natural Gas Act, all as more fully set forth in the request that is on file with the Commission and open to public inspection.

FGT proposes to construct, own, and operate two taps, electronic flow measurement (EFM) equipment, and approximately 100 feet of 4-inch connecting pipeline to serve TECO under existing transportation service agreements at a new PGS-Vineland Rd. Meter Station located in Orange County, Florida. FGT states TECO will construct, own, and operate this new meter station with FGT constructing the taps, EFM, and connecting line. FGT declares the proposed delivery capacity at this point is up to 12,000 MMBtu per day at line pressure.

FGT states the estimated cost for the proposed construction of the two taps, EFM, and connecting pipe is \$147,000, which will be reimbursed to FGT by TECO. FGT asserts that the end-use will be residential, industrial, and commercial.

Any person or the Commission's staff may, within 45 days after issuance of the instant notice by the Commission, file pursuant to Rule 214 of the Commission's Procedural Rules (18 CFR 385.214) a motion to intervene or notice of intervention and pursuant to Section 157.205 of the Regulations under the Natural Gas Act (18 CFR 157.205) a protest to the request. If no protest is filed within the time allowed therefor, the proposed activity shall be deemed to be authorized effective the day after the time allowed for filing a protest. If a protest is filed and not withdrawn within 30 days after the time allowed for filing a protest, the instant request shall be treated as an application for authorization pursuant to Section 7 of the Natural Gas Act.

Linwood A. Watson, Jr.,

Acting Secretary.

[FR Doc. 98-10292 Filed 4-17-98; 8:45 am]

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