

# **FINANCIAL ASSISTANCE FUNDING OPPORTUNITY ANNOUNCEMENT**



**U.S. Department of Energy**

**Idaho Operations Office**

## **Global Nuclear Energy Partnership (GNEP) Siting Studies**

**Funding Opportunity Number:** DE-PS07-06ID14760

**Announcement Type:** Initial

**CFDA Number:** 81.121

**Letter of Intent Due Date:**

**Issue Date:**

**Pre-Application Due Date:**

**Application Due Date:** 09/12/2006

This announcement will remain open until the Application Due Date. Applications may be submitted any time before the announcement closes.

## NOTE: NEW REQUIREMENTS FOR GRANTS.GOV

**Where to Submit:** Applications must be submitted through Grants.gov to be considered for award.

**Registration Requirements:** There are several one-time actions you must complete in order to submit an application through Grants.gov (e.g., obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number, register with the Central Contract Registry (CCR), register with the credential provider, and register with Grants.gov). See [www.grants.gov/GetStarted](http://www.grants.gov/GetStarted). Use the Grants.gov Organization Registration Checklist at [www.grants.gov/assets/OrganizationRegCheck.doc](http://www.grants.gov/assets/OrganizationRegCheck.doc) to guide you through the process. Designating an E-Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in the CCR registration process. Applicants, who are not registered with CCR and Grants.gov, should allow at least 14 days to complete these requirements. It is suggested that the process be started as soon as possible.

**Questions:** Questions relating to the registration process, system requirements, how an application form works, or the submittal process must be directed to Grants.gov at 1-800-518-4726 or [support@grants.gov](mailto:support@grants.gov). Part VII of this announcement explains how to submit other questions to the U.S. Department of Energy.

### Application Receipt Notices

After an application is submitted, the Authorized Organization Representative (AOR) will receive a series of four e-mails. It is extremely important that the AOR watch for and save each of the emails. It may take up to two (2) business days from application submission to receipt of email Number 2. You will know that your application has reached DOE when the AOR receives email Number 4. You will need the Submission Receipt Number (email Number 1) to track a submission. The titles of the four e-mails are:

- Number 1 - Grants.gov Submission Receipt Number
- Number 2 - Grants.gov Submission Validation Receipt for Application Number
- Number 3 - Grants.gov Grantor Agency Retrieval Receipt for Application Number
- Number 4 - Grants.gov Agency Tracking Number Assignment for Application Number

After receipt of email Number 4, you can view your application at DOE's e-Center, <http://e-center.doe.gov>. A User Id and password are required. If you already have a User Id and password you do not need to re-register.

**VERY IMPORTANT – Download PureEdge Viewer:** In order to download the application package, you will need to install PureEdge Viewer. This small, free program will allow you to access, complete, and submit applications electronically and securely. For a free version of the software, visit the following web site: [www.grants.gov/DownloadViewer](http://www.grants.gov/DownloadViewer).

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## PART I – FUNDING OPPORTUNITY DESCRIPTION

- A. The U.S. Department of Energy (DOE), Idaho Operations Office (DOE-ID), is seeking applications from eligible entities to perform detailed siting studies. These studies will describe prospective locations to host one or both anticipated Global Nuclear Energy Partnership (GNEP) facilities. Information obtained from these studies, along with other relevant information, will be used to support the preparation of an Environmental Impact Statement (EIS) that will evaluate reasonable siting alternatives for the anticipated GNEP facilities. Selection of an application for award does not guarantee that the site will be evaluated in detail in the EIS, only that it will be considered for further evaluation. In addition, there may be other sites considered besides those for which applications are being submitted under this announcement. In the EIS, DOE intends to evaluate certain DOE sites as potential locations for the anticipated GNEP facilities. Selection for award under this announcement in no way guarantees that a proposed site will host a GNEP facility.

### Background:

As part of President Bush's Advanced Energy Initiative, DOE has launched the Global Nuclear Energy Partnership (GNEP). The broad goals of GNEP are described in the Report to Congress – Spent Nuclear Fuel Recycling Program Plan issued May 2006, <http://www.gnep.energy.gov/pdfs/snfRecyclingProgramPanMay2006.pdf>.

A major element of GNEP is the development and deployment of advanced nuclear fuel recycling technologies. In general, advanced recycling technologies focus on three operations:

- (1) Separate commercial Light Water Reactor (LWR) Spent Nuclear Fuel (SNF) into its usable and waste components.

Spent nuclear fuel contains uranium, transuranics (plutonium and other long-lived radioactive elements), and fission products. The fission products are waste and make up less than five percent of the used fuel. Buildup of fission products within the fuel inhibits nuclear fission reactions so the spent fuel must be replaced with fresh fuel for continued operation of a nuclear reactor. The transuranics and uranium in SNF would be separated from the fission products and then fabricated into new fuel for a fast reactor to consume the transuranics and uranium while simultaneously recovering their energy content. The SNF recycling program would use advanced separation processes (e.g., Uranium Extraction Plus or other comparable processes).

- (2) Fabricate and recycle fast reactor fuel containing transuranic elements.

Fabricating, testing, and qualifying fast reactor fuel containing transuranic and actinide elements (i.e., transmutation fuel), obtained from recycled spent fast reactor fuel, is required to provide fresh fuel for the reactor. The Advanced Burner Reactor is

expected to operate initially using conventional fast reactor fuel. After the qualification of transmutation fuel, the GNEP facilities would demonstrate recycle of fast reactor transmutation fuel and eventually could include the construction of a separate transmutation fuel separations and fabrication facility.

(3) Convert transuranics into shorter-lived radioisotopes while producing electricity.

Fast reactors produce high-energy neutrons that can fission long-lived transuranics, thus converting the transuranics into shorter-lived radioisotopes. As the transuranics are consumed, significant energy is released that can be used to produce electricity from material that would otherwise be considered waste and potentially require disposal in a geologic repository.

In considering how best to address these operations in the context of GNEP, the Department initially focused on an approach that would rely on ongoing and planned Advanced Fuel Cycle Initiative (AFCI) activities. This approach is described in the Report to Congress – Spent Nuclear Fuel Recycling Program Plan issued May 2006,

<http://www.gnep.energy.gov/pdfs/snfRecyclingProgramPanMay2006.pdf>.

Following the announcement of the GNEP Program by the President, a number of foreign governments and private companies expressed interest in cooperating with the Department in the development and deployment of advanced recycling technologies. Some of these entities indicated they are pursuing similar technologies and, in some cases, these technologies may be ready for deployment prior to those currently under development by the Department. Based on consideration of this information, DOE intends to accelerate the development and deployment of advanced recycling technologies by proceeding with commercial scale demonstrations of existing advanced technology for the separation of LWR SNF and the construction and operation of a fast reactor, while pursuing further development of advanced recycling technology to separate and fabricate fast reactor transmutation fuel.

This approach involves two tracks: (1) deployment of commercial scale facilities for which advanced technologies are available now or in the near future and (2) further research and development on transmutation fuels technologies. Under this two-track approach, the Department currently is considering two commercial scale facilities for which the Department is seeking applications under this announcement. These facilities are:

- Consolidated Fuel Treatment Center (CFTC) – a facility to separate the usable uranium and transuranics from spent light-water reactor fuel for use in fabricating fast reactor fuel. During the second track the CFTC could be augmented or a separate transmutation fuel separations and fabrication facility could be constructed to separate and fabricate fast reactor transmutation fuel.
- Advanced Burner Reactor (ABR) – fast reactor to use

transmutation fuel and consume transuranic elements within the fuel and generate electricity. The ABR is expected to operate using conventional fast reactor fuel during the first stage of the demonstration prior to the qualification and transition to transmutation fuel. Eventually, the ABR would be used to demonstrate the feasibility of recycling fast reactor transmutation fuel.

A third facility, the Advanced Fuel Cycle Facility (AFCF), will be designed and directed through DOE's national laboratories and will support development of the technologies required to separate and fabricate fast reactor transmutation fuel. Alternative designs and locations for the AFCF will be considered in the same EIS that considers alternative designs and locations for the CFTC and the ABR. The AFCF is not to be considered in the development of applications submitted for this announcement.

#### Applications:

DOE will accept applications proposing DOE as well as non-DOE locations. While DOE will accept applications proposing non-DOE sites, it will not accept any applications from current Federal Funded Research and Development Center (FFRDC) Contractors. For this announcement non-DOE is defined as a site not owned or controlled by the Department of Energy. DOE is defined as a site owned or controlled by the Department of Energy.

In order to be considered for award, the proposed site must be located within the United States. An applicant proposing a non-DOE site must be the site owner or have a legally enforceable commitment from the site owner that GNEP facilities can be located on the site and operated for the next 50 years. The proposed site must meet the minimum site criteria of:

1. **Size.** The area and linear dimensions of the site must accommodate one or both GNEP facilities. The proposed site must not be less than 300 contiguous acres for siting one facility and 500 contiguous acres for siting both facilities.
2. **Hydrology.** The site must be sufficient to allow siting of the anticipated facilities above the 100 year flood plain.
3. **Electricity Capability.** There must be an electrical transmission line able to provide 13kV available within 10 miles of the proposed site.
4. **Population.** The population density, including weighted transient population, averaged over any radial distance out to 20 miles (cumulative population at a distance divided by the area at that distance), does not exceed 500 persons per square mile.
5. **Zoning.** If zoning regulations apply to the proposed site, the site must be zoned for heavy industrial/industrial use. Alternatively, the applicant must demonstrate that the area could be zoned for heavy industrial/industrial use.

6. Road Access. The proposed site must be within 5 miles of a highway capable of supporting a load of 80,000 lbs GVW.

7. Seismic Stability. The proposed site must be free of risk from significant seismic events.

8. Water Availability. The proposed site must have access to reliable supplies of water.

Applications that exceed the 90-day period of performance will not be considered.

An applicant may submit more than one application under this announcement. However, each application must represent only one site.

It is important that applicants interested in hosting GNEP facilities be aware that operation of these facilities will require the storage of nuclear materials. In particular, the operation of the CFTRC will require the hosting site to accept and store spent nuclear fuel as feed into the separations process. Accordingly, a site should have the potential to provide storage capability for the volume of material associated with commercial scale operations.

In addition, the Department believes it is important to have strong support within the community and state where the GNEP facilities will be located. Thus, preference may be given to sites where the applicant has demonstrated community and state support for the use of the site for GNEP facilities.

Applicants should be aware that the Department is interested in exploring the potential co-location of the CFTRC and ABR facilities. Accordingly, a proposed site may be given preference if it has the potential for supporting both facilities.

Post Award:

Once award has been made, a Detailed Site Report will be required as a deliverable. The information required in the report is described in Attachment 1 - Report Requirements. For non-DOE sites, awardees will provide all of the information described in Attachment 1. For DOE sites, information required to be submitted will be limited to the information described in Item 12 of Attachment 1.

As part of the NEPA process, DOE will independently evaluate the information contained in the Detailed Site Report consistent with 40 CFR 1506.5(a) and make the Report available to the public consistent with 40 CFR 1506.5(f).



## PART II – AWARD INFORMATION

### A. TYPE OF AWARD INSTRUMENT.

DOE anticipates awarding grants under this program announcement.

### B. ESTIMATED FUNDING.

Approximately \$ 20,000,000 is expected to be available for new awards under this announcement.

### C. MAXIMUM AND MINIMUM AWARD SIZE

Ceiling (i.e., the maximum amount for an individual award made under this announcement): \$5,000,000

Floor (i.e., the minimum amount for an individual award made under this announcement): None

### D. EXPECTED NUMBER OF AWARDS.

DOE anticipates making several awards under this announcement depending on the size of the awards.

### E. ANTICIPATED AWARD SIZE

While the maximum award size (i.e., the ceiling) is \$5,000,000, DOE anticipates that awards will be in the \$0 to \$5,000,000 range for the total project period.

### F. PERIOD OF PERFORMANCE.

The period of performance will be 90 days.

### G. TYPE OF APPLICATION.

New applications will be accepted under this announcement.

## PART III – ELIGIBILITY INFORMATION

### A. ELIGIBLE APPLICANTS.

All types of applicants are eligible to apply, except other Federal agencies, Federally Funded Research and Development Center (FFRDC) Contractors, and nonprofit organizations described in section 501(c)(4) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995.

### B. COST SHARING.

While cost sharing is not required as part of this Funding Opportunity Announcement, applicants are encouraged to consider proposing cost sharing.

### C. OTHER ELIGIBILITY REQUIREMENTS.

In order to be considered for award, the proposed site must be located within the United States. An applicant proposing a non-DOE site must be the site owner or have a legally enforceable commitment from the site owner that GNEP facilities can be located on the site and operated for the next 50 years. The proposed site must meet the minimum site criteria of:

1. Size. The area and linear dimensions of the site must accommodate one or both GNEP facilities. The proposed site must not be less than 300 contiguous acres for siting one facility and 500 contiguous acres for siting both facilities.
2. Hydrology. The site must be sufficient to allow siting of the anticipated facilities above the 100 year flood plain.
3. Electricity Capability. There must be an electrical transmission line able to provide 13kV available within 10 miles of the proposed site.

4. Population. The population density, including weighted transient population, averaged over any radial distance out to 20 miles (cumulative population at a distance divided by the area at that distance), does not exceed 500 persons per square mile.
  5. Zoning. If zoning regulations apply to the proposed site, the site must be zoned for heavy industrial/industrial use. Alternatively, the applicant must demonstrate that the area could be zoned for heavy industrial/industrial use.
  6. Road Access. The proposed site must be within 5 miles of a highway capable of supporting a load of 80,000 lbs GVW.
  7. Seismic Stability. The proposed site must be free of risk from significant seismic events.
  8. Water Availability. The proposed site must have access to reliable supplies of water.
- Applications that exceed the 90-day period of performance will not be considered.

## **PART IV – APPLICATION AND SUBMISSION INFORMATION**

### **A. ADDRESS TO REQUEST APPLICATION PACKAGE.**

Application forms and instructions are available at Grants.gov. To access these materials, go to <http://www.grants.gov>, select "Apply for Grants", and then select "Download Application Package". Enter the CFDA and/or the funding opportunity number located on the cover of this announcement and then follow the prompts to download the application package. NOTE: You will not be able to download the Application Package unless you have installed PureEdge Viewer (See: <http://www.grants.gov/DownloadViewer>).

### **B. LETTER OF INTENT AND PRE-APPLICATION.**

#### **1. Letter of Intent.**

Letters of Intent are not required.

#### **2. Pre-application.**

Pre-applications are not required.

### **C. CONTENT AND FORM OF APPLICATION – SF 424**

You must complete the mandatory forms and any applicable optional forms (e.g., SF-LLL-Disclosure of Lobbying Activities) in accordance with the instructions on the forms and the additional instructions below. **Files that are attached to the forms must be in Adobe Portable Document Format (PDF) unless otherwise specified in this announcement.**

#### **1. SF 424 - Application for Federal Assistance.**

Complete this form first to populate data in other forms. Complete all required fields in accordance with the pop-up instructions on the form. To activate the instructions, turn on the "Help Mode" (Icon with the pointer and question mark at the top of the form).

#### **2. Other Attachments Form.**

Submit the following files with your application and attach them to the Other Attachments Form. Click on "Add Mandatory Other Attachment" to attach the Project Narrative. Click on "Add Optional Other Attachment," to attach the other files.

#### **Project Narrative File - Mandatory Other Attachment**

The project narrative must not exceed 20 pages, including charts, graphs, maps, photographs, and other pictorial presentations, when printed using standard 8.5" by 11" paper with 1 inch margins (top, bottom, left, and right). EVALUATORS WILL REVIEW ONLY THE NUMBER OF PAGES SPECIFIED IN THE PRECEDING SENTENCE. The font must not be smaller than 11 point. Do not include any Internet addresses (URLs) that provide information necessary to

review the application. See Part VIII.D for instructions on how to mark proprietary application information. Save the information in a single file named "Project.pdf," and click on "Add Mandatory Other Attachment" to attach.

The project narrative must include:

For Applicants Proposing Non-DOE Sites:

**Eligibility Requirements:** As part of the project narrative, the Applicant must provide information that clearly demonstrates how its application meets the Other Eligibility Requirements as described in Part III, Section C, of this announcement.

**Site Description:** As part of the project narrative the applicant will identify: (1) the site proposed (legal description, state, county, city, size), ownership of the site (legal title) or have a legally enforceable commitment from the site owner that GNEP facilities can be located on the site and operated for the next 50 years; (2) any partners or lien holders that could affect designation of the property for the proposed facility; (3) the municipal, county, and state agencies or organizations that have authority to approve facility construction and operation; (4) identification of proposed GNEP facilities that can be hosted at the proposed site; (5) statement of whether or not the site has been previously considered by DOE for siting of a nuclear facility; and, (6) statement regarding community and state interest in the use of the site for GNEP facilities.

**Capabilities and Experience:** As part of the project narrative, discuss the applicant's capabilities and experience in performing nuclear siting studies. Provide details regarding the scope of the studies, including the number and dates of studies conducted and types of nuclear projects studied. Discuss the applicant's capabilities and experience identifying all state, regulatory, and environmental permits required for permitting this facility, including identifying any legislative or regulatory prohibitions that might prevent siting such a facility. Provide details regarding the scope of the previous regulatory, permitting and stakeholder identification efforts, including the number and dates of studies conducted and types of projects studied. Identify any Key Personnel who took part in previous studies that will participate in this GNEP Siting Study. Provide the Biographical Sketch File (bios) on Key Personnel emphasizing their education in the siting study elements of geology/seismology, biology, ecology, economics, sociology/demographics, meteorology/climatology, archeology/history, hydrology, environmental engineering and science, geography, and cartography and experience in performing nuclear siting studies. The Key Personnel bios will not be part of the 20-page limitation.

**Suitability and Availability of Site Data:** For the items listed in Attachment 1– Report Requirements, the applicant is to complete and provide Attachment 2 – Siting Studies Reference Data Validation Form for each data source that will be used to meet the Attachment 1 requirement. The completed Attachment 2 forms will not be part of the 20-page limitation for this application. Attachment 1 is provided with this announcement as a listing of the data that will be required to be reviewed in order to prepare the Detailed Site Report. The Detailed Site Report constitutes the deliverable to be provided by an awardee.

As part of the project narrative, the applicant will also identify those items in the Attachment 1 – Detailed Site Report for which data is readily available and those items for which data is not readily available. For those items for which data is not readily available, the applicant will describe the planned tasks and methods to secure the data within the required 90-day period of performance.

For Applications Proposing DOE Sites:

**Eligibility Requirements:** As part of the project narrative, the Applicant must provide information that clearly demonstrates how its application meets the Other Eligibility Requirements as described in Part III, Section C, of this Announcement.

**Site Description:** As part of the project narrative the applicant will identify: (1) the site proposed; (2) identification of proposed GNEP facilities that can be hosted at the proposed site; (3) statement of whether or not the site has been previously considered by DOE for siting of a nuclear facility; (4) statement regarding community and state interest in the use of the site for GNEP facilities; and (5) specify what information the site study will provide DOE that DOE does not currently possess.

**Capabilities and Experience:** As part of the project narrative, discuss the applicant's capabilities and experience identifying all state, regulatory, and environmental permits required for permitting this facility, including identifying any legislative or regulatory prohibitions that might prevent siting such a facility. Provide details regarding the scope of the previous regulatory, permitting and stakeholder identification efforts, including the number and dates of studies conducted and types of projects studied. Identify any Key Personnel who took part in previous studies that will participate in this GNEP Siting Study. Provide the Biographical Sketch File (bios) on Key Personnel emphasizing their education in the siting study elements of geology/seismology, biology, ecology, economics,

sociology/demographics, meteorology/climatology, archeology/history, hydrology, environmental engineering and science, geography, and cartography and experience in performing nuclear siting studies. The Key Personnel bios will not be part of the 20-page limitation.

Suitability and Availability of Site Data: For item 12, Regulatory and Permitting, listed in Attachment 1 – Report Requirements, the applicant is to complete and provide Attachment 2 – Siting Studies Reference Data Validation Form for each data source that will be used to meet the requirement. The completed Attachment 2 forms will not be part of the 20-page limitation for this application. Attachment 1 is provided with this announcement as a listing of the data that will be required to be reviewed in order to prepare the Detailed Site Report for non-DOE sites. However, for the Detailed Site Report for DOE sites, completion of Item 12 will constitute the only deliverable to be provided by an awardee.

### **SF 424 A Excel, Budget Information – Non-Construction Programs File:**

You must provide a separate budget for each year of support requested and a cumulative budget for the total project period. Use the SF 424 A Excel, “Budget Information – Non Construction Programs” form on the Applicant and Recipient Page at <http://grants.pr.doe.gov>. You may request funds under any of the Object Class Categories as long as the item and amount are necessary to perform the proposed work, meet all the criteria for allowability under the applicable Federal cost principles, and are not prohibited by the funding restrictions in this announcement (See PART IV, G). Save the information in a single file named “SF424A.xls,” and click on “Add Optional Other Attachment” to attach.

### **Budget Justification File**

You must justify the costs proposed in each Object Class Category/Cost Classification category (e.g., identify key persons and personnel categories and the estimated costs for each person or category; provide a list of equipment and cost of each item; identify proposed subaward/consultant work and cost of each subaward/consultant; describe purpose of proposed travel, number of travelers and number of travel days; list general categories of supplies and amount for each category; and provide any other information you wish to support your budget). Provide the name of your cognizant/oversight agency, if you have one, and the name and phone number of the individual responsible for negotiating your indirect rates. If cost sharing is required, provide an explanation of the source, nature, amount and availability of any proposed cost sharing. Save this information in a single file named “Budget.pdf,” and click on “Add Optional Other Attachment” to attach.

### **Certifications and Assurances for Use with SF 424**

You must complete and provide the “Certifications and Assurances for Use with SF 424” form on the Applicant and Recipient Page at <http://grants.pr.doe.gov>. Submission of an electronic application through Grants.gov constitutes the submission of a signed document. Type the name of the person responsible for providing the certifications and assurances in the signature block and save as a pdf file. Do not submit a scanned copy of the form. Name the file “Certs.pdf,” and click on “Add Optional Other Attachment” to attach.

### **Biographical Sketch File**

Provide a biographical sketch for each key person proposed, including subawardees and

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consultants if they meet the definition of key person. A key person is any individual who contributes in a substantive, measurable way to the execution of the project. Save all biographical sketches in a single file named "bio.pdf" and click on "Add Optional Other Attachment" to attach. The biographical information for each person must not exceed 2 pages when printed on 8.5" by 11" paper with 1 inch margins (top, bottom, left, and right) with font not smaller than 11 point and must include:

***Education and Training.*** Undergraduate, graduate and postdoctoral training, provide institution, major/area, degree and year.

***Professional Experience:*** Beginning with the current position list, in chronological order, professional/academic positions with a brief description.

***Publications.*** Provide a list of up to 10 publications most closely related to the proposed project. For each publication, identify the names of all authors (in the same sequence in which they appear in the publication), the article title, book or journal title, volume number, page numbers, year of publication, and website address if available electronically.

### **Subaward Budget File(s)**

You must provide a separate budget (i.e., budget for each budget year and a cumulative budget) for each subawardee that is expected to perform work estimated to be more than \$100,000 or 50 percent of the total work effort (which ever is less). Use the SF 424 A Excel for Non Construction Programs or the SF 424 C Excel for Construction Programs. These forms are found on the Applicant and Recipient Page at <http://grants.pr.doe.gov>. Save each Subaward budget in a separate file. Use up to 10 letters of the subawardee's name (plus .xls) as the file name (e.g., ucla.xls or energyres.xls), and click on "Add Optional Other Attachment" to attach.

### **3. SF-LLL Disclosure of Lobbying Activities**

If applicable, complete SF- LLL. Applicability: If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the grant/cooperative agreement, you must complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying."

#### **Summary of Required Forms/Files**

Your application must include the following documents:

<b>Name of Document</b>	<b>Format</b>	<b>File Name</b>
SF 424 - Application for Federal Assistance	PureEdge Form	N/A
Other Attachments Form: Attach the following files to this form:	PureEdge Form	N/A
Project Narrative File	PDF	Project.pdf
Project Summary/Abstract File	PDF	N/A
SF 424A Excel - Budget Information for Non-Construction Programs File <b>or</b>	Excel	SF424A.xls
SF 424C Excel - Budget Information for	Excel	N/A

Construction Programs File		
Budget Justification File	PDF	Budget.pdf
Certifications and Assurances for Use with SF 424 File	PDF	N/A
Biographical Sketch File	PDF	Bio.pdf
Subaward Budget File(s) <b>(Optional)</b>	Excel	See Instructions
Budget for DOE/NNSA Federally Funded Research and Development Center (FFRDC) Contractor File, if applicable. <b>(Optional)</b>	PDF	N/A
EPACT Representation File, if applicable. <b>(Optional)</b>	PDF	N/A
Commitment Letters from Third Parties Contributing to Cost Sharing File, if applicable. <b>(Optional)</b>	PDF	CLTP.pdf
Attachment 2 - Siting Studies Reference Data Validation Form	PDF	SSRDV.pdf
SF-LLL Disclosure of Lobbying Activities, if applicable.	PureEdge Form	N/A

#### D. SUBMISSIONS FROM SUCCESSFUL APPLICANTS.

The Department anticipates that no additional submissions will be required. However, it reserves the right to request additional or clarifying information for any reason deemed necessary.

What to submit	Required Form or Format
<p><b>Designated Responsible Employee for complying with national policies prohibiting discrimination.</b></p> <p>Provide organization name, project title, DOE application tracking number and the name, title, and phone number of Designated Responsible Employee for complying with national policies prohibiting discrimination (See 10 CFR 1040.5)</p>	<p>No special format. E-mail information to: surrusjk@id.doe.gov</p>

#### E. SUBMISSION DATES AND TIMES

##### 1. Pre-application Due Date.

Pre-applications are not required.

##### 2. Application Due Date.

Applications should be received by September 12, 2006, not later than 8:00 PM Eastern Time. You are encouraged to transmit your application well before the deadline. APPLICATIONS RECEIVED AFTER THE DEADLINE WILL NOT BE REVIEWED OR CONSIDERED FOR AWARD.

#### F. GOVERNMENTAL REVIEW

This program is not subject to Executive Order 12372 – Intergovernmental Review of Federal Programs.

## G. FUNDING RESTRICTIONS.

Cost Principles. Costs must be allowable in accordance with the applicable Federal cost principles referenced in 10 CFR part 600.

Pre-award Costs. Recipients may charge to an award resulting from this announcement pre-award costs that were incurred within the ninety (90) calendar day period immediately preceding the effective date of the award, if the costs are allowable in accordance with the applicable Federal cost principles referenced in 10 CFR part 600. Recipients must obtain the prior approval of the contracting officer for any pre-award costs that are for periods greater than this 90 day calendar period.

Pre-award costs are incurred at the applicant's risk. DOE is under no obligation to reimburse such costs if for any reason the applicant does not receive an award or if the award is made for a lesser amount than the applicant expected.

## H. OTHER SUBMISSION AND REGISTRATION REQUIREMENTS

### 1. Where to Submit.

**APPLICATIONS MUST BE SUBMITTED THROUGH GRANTS.GOV TO BE CONSIDERED FOR AWARD.** Submit electronic applications through the "Apply for Grants" function at [www.Grants.gov](http://www.Grants.gov). If you have problems completing the registration process or submitting your application, call Grants.gov at 1-800-518-4726 or send an email to support@grants.gov.

### 2. Registration Process.

You must COMPLETE the one-time registration process (all steps) before you can submit your first application through Grants.gov (See [www.grants.gov/GetStarted](http://www.grants.gov/GetStarted)). **We recommend that you start this process at least two weeks before the application due date.** It may take 14 days or more to complete the entire process. Use the Grants.gov Organizational Registration Checklists at <http://www.grants.gov/assets/OrganizationRegCheck.doc> to guide you through the process. **IMPORTANT:** During the CCR registration process, you will be asked to designate an E-Business Point of Contact (EBIZ POC). The EBIZ POC must obtain a special password called "Marketing Partner identification Number" (MPIN).

## Part V - APPLICATION REVIEW INFORMATION

### A. CRITERIA

#### 1. Initial Review Criteria.

Prior to a comprehensive merit evaluation, DOE will perform an initial review to determine that (1) the applicant is eligible for an award; (2) the information required by the announcement has been submitted; (3) all mandatory requirements are satisfied; and (4) the proposed project is responsive to the objectives of the funding opportunity announcement.

#### 2. Merit Review Criteria.

Applications for non-DOE sites will be evaluated separately from those applications where a DOE site has been proposed.

DOE will evaluate each application for non-DOE sites based on the following criteria:

The relevance and extent of the Applicant's capabilities and experience in conducting nuclear siting studies and the education and experience of the key personnel in performing nuclear siting studies. (40 points)

Suitability and availability of the data that will be used to meet the Attachment 1 - Report Requirements to ensure that the required Detailed Siting Study can be accomplished within the 90-day period of performance and that this Report will constitute the completion of this GNEP program milestone. This milestone is integral to the larger public objective of creating a safe, reliable and secure nuclear facility. (50 points)

The relevance and extent of the Applicant's capability to identify stakeholder support or concerns with siting GNEP facilities at the proposed site. (10 points)

The proposed budget will be evaluated for appropriateness and reasonableness.

DOE will evaluate each application for DOE sites based on the following criteria:

The relevance and extent of the Applicant's capability to provide information necessary to identify the regulatory and permitting requirements needed to site a GNEP facility at the site. (80 points)

The relevance and extent of the Applicant's capability to identify stakeholder support or concerns with siting GNEP facilities at the proposed site. (20 points)

The proposed budget will be evaluated for appropriateness and reasonableness.

### **3. Other Selection Factors.**

The following Program Policy Factors may also be considered in determining which applications will receive an award:

- A) Sites with stated capability and flexibility to host multiple commercial-scale GNEP facilities may be given preference.
- B) Sites not previously considered by DOE for siting of a nuclear facility may be given preference, in order to close DOE's knowledge gaps. Other DOE sites will be considered, but applicants must specify what information the site study will provide DOE that DOE does not currently possess.
- C) The Program seeks applications from a diverse cross section of domestic sites. The Program may give preference to applications that increase the geographic diversity of sites to be studied under this announcement.
- D) Preference may be given to sites where the applicant has demonstrated it has a community and state interest in the use of the site for GNEP facilities.
- E) The total proposed cost of the project will not be point scored. Cost; proposed cost sharing, if any; the availability of funds; and the overall value to the Government may become a selection consideration.

## **B. REVIEW AND SELECTION PROCESS.**

### **1. Merit Review.**

Applications that pass the initial review will be subjected to a merit review in accordance with the guidance provided in the "Department of Energy Merit Review Guide for Financial Assistance and Unsolicited Proposals." This guide is available under Financial Assistance, Regulations and Guidance at <http://professionals.pr.doe.gov/ma5/ma-5web.nsf/?Open>.

### **2. Selection.**

The Selection Official will consider the merit review recommendation, program policy factors, and the amount of funds available.



### **3. Discussions and Award.**

The Government may enter into discussions with a selected applicant for any reason deemed necessary, including but not limited to: (1) the budget is not appropriate or reasonable for the requirement; (2) only a portion of the application is selected for award; (3) the Government needs additional information to determine that the recipient is capable of complying with the requirements in 10 CFR part 600; and/or (4) special terms and conditions are required. Failure to resolve satisfactorily the issues identified by the Government will preclude award to the applicant.

### **C. ANTICIPATED NOTICE OF SELECTION AND AWARD DATES.**

DOE anticipates notifying applicants selected for award by e-mail and making awards by October 31, 2006.

## **Part VI - AWARD ADMINISTRATION INFORMATION**

### **A. AWARD NOTICES.**

#### **1. Notice of Selection.**

DOE will notify applicants selected for award. This notice of selection is not an authorization to begin performance. (See Part IV.G with respect to the allowability of pre-award costs.)

Organizations whose applications have not been selected will be advised as promptly as possible. This notice will explain why the application was not selected.

#### **2. Notice of Award.**

A Notice of Financial Assistance Award issued by the contracting officer is the authorizing award document. It normally includes, either as an attachment or by reference: 1. Special Terms and Conditions; 2. Applicable program regulations, if any; 3. Application as approved by DOE.; 4. DOE assistance regulations at 10 CFR part 600, or, for Federal Demonstration Partnership (FDP) institutions, the FDP terms and conditions; 5. National Policy Assurances To Be Incorporated As Award Terms; 6. Budget Summary; and 7. Federal Assistance Reporting Checklist, which identifies the reporting requirements.

### **B. ADMINISTRATIVE AND NATIONAL POLICY REQUIREMENTS.**

#### **1. Administrative Requirements.**

The administrative requirements for DOE grants and cooperative agreements are contained in 10 CFR part 600 (See: <http://ecfr.gpoaccess.gov>), except for grants made to Federal Demonstration Partnership (FDP) institutions. The FDP terms and conditions and DOE FDP agency specific terms and conditions are located on the National Science Foundation web site at [http://www.nsf.gov/awards/managing/fed\\_dem\\_part.jsp](http://www.nsf.gov/awards/managing/fed_dem_part.jsp).

#### **2. Special Terms and Conditions and National Policy Requirements.**

**Special Terms and Conditions and National Policy Requirements.**

The DOE Special Terms and Conditions for Use in Most Grants and Cooperative Agreements are located at <http://grants.pr.doe.gov>. The National Policy Assurances To Be Incorporated As Award Terms are located at <http://grants.pr.doe.gov>.

### **Intellectual Property Provisions.**

The standard DOE financial assistance intellectual property provisions applicable to the various types of recipients are located at [http://www.gc.doe.gov/techtrans/sipp\\_matrix.html](http://www.gc.doe.gov/techtrans/sipp_matrix.html).

### **Statement of Substantial Involvement.**

## **C. REPORTING.**

Reporting requirements are identified on the Federal Assistance Reporting Checklist, DOE F 4600.2, attached to the award agreement. See for the proposed Checklist for this program.

## **PART VII - QUESTIONS/AGENCY CONTACTS**

### **A. QUESTIONS**

Questions regarding the content of the announcement must be submitted through the "Submit Question" feature of the DOE Industry Interactive Procurement System (IIPS) at <http://e-center.doe.gov>. Locate the program announcement on IIPS and then click on the "Submit Question" button. Enter required information. You will receive an electronic notification that your question has been answered. DOE will try to respond to a question within 3 business days, unless a similar question and answer have already been posted on the website

Questions relating to the registration process, system requirements, how an application form works, or the submittal process must be directed to Grants.gov at 1-800-518-4726 or [support@grants.gov](mailto:support@grants.gov). DOE cannot answer these questions.

Questions regarding program requirements must be directed to:

Applicants are encouraged to submit questions prior to August 29, 2006, and as they are being developed. DOE will respond to submitted questions as they are received and in a timely manner.

### **B. Agency Contact**

Name:  
Janet K. Surrusco

E-mail address:  
[surrusjk@id.doe.gov](mailto:surrusjk@id.doe.gov)

Fax:  
208-526-5548

Telephone:  
208-526-5477

## **PART VIII - OTHER INFORMATION**

### **A. MODIFICATIONS.**

Notices of any modifications to this announcement will be posted on Grants.gov and the DOE Industry Interactive Procurement System (IIPS). You can receive an email when a modification or an announcement message is posted by joining the mailing list for this announcement through the link in IIPS. When you download the application at Grants.gov, you can also register to receive notifications of changes through Grants.gov.

### **B. GOVERNMENT RIGHT TO REJECT OR NEGOTIATE.**

DOE reserves the right, without qualification, to reject any or all applications received in response to this announcement and to select any application, in whole or in part, as a basis for negotiation and/or award.

### **C. COMMITMENT OF PUBLIC FUNDS.**

The Contracting Officer is the only individual who can make awards or commit the Government to the expenditure of public funds. A commitment by other than the Contracting Officer, either explicit or implied, is invalid.

### **D. PROPRIETARY APPLICATION INFORMATION.**

Patentable ideas, trade secrets, proprietary or confidential commercial or financial information, disclosure of which may harm the applicant, should be included in an application only when such information is necessary to convey an understanding of the proposed project. The use and disclosure of such data may be restricted, provided the applicant includes the following legend on the first page of the project narrative and specifies the pages of the application which are to be restricted:

“The data contained in pages \_\_\_\_\_ of this application have been submitted in confidence and contain trade secrets or proprietary information, and such data shall be used or disclosed only for evaluation purposes, provided that if this applicant receives an award as a result of or in connection with the submission of this application, DOE shall have the right to use or disclose the data herein to the extent provided in the award. This restriction does not limit the government’s right to use or disclose data obtained without restriction from any source, including the applicant.”

To protect such data, each line or paragraph on the pages containing such data must be specifically identified and marked with a legend similar to the following:

“The following contains proprietary information that (name of applicant) requests not be released to persons outside the Government, except for purposes of review and evaluation.”

### **E. EVALUATION AND ADMINISTRATION BY NON-FEDERAL PERSONNEL.**

In conducting the merit review evaluation, the Government may seek the advice of qualified non-Federal personnel as reviewers. The Government may also use non-Federal personnel to conduct routine, nondiscretionary administrative activities. The applicant, by submitting its application, consents to the use of non-

Federal reviewers/administrators. Non-Federal reviewers must sign conflict of interest and non-disclosure agreements prior to reviewing an application. Non-Federal personnel conducting administrative activities must sign a non-disclosure agreement.

**F. NA**

**G. NOTICE OF RIGHT TO REQUEST PATENT WAIVER.**

Applicants may request a waiver of all or any part of the rights of the United States in inventions conceived or first actually reduced to practice in performance of an agreement as a result of this announcement, in advance of or within 30 days after the effective date of the award. Even if such advance waiver is not requested or the request is denied, the recipient will have a continuing right under the award to request a waiver of the rights of the United States in identified inventions, i.e., individual inventions conceived or first actually reduced to practice in performance of the award. Any patent waiver that may be granted is subject to certain terms and conditions in 10 CFR 784.

Domestic small businesses and domestic nonprofit organizations will receive the patent rights clause at 37 CFR 401.14, i.e., the implementation of the Bayh-Dole Act. This clause permits domestic small business and domestic nonprofit organizations to retain title to subject inventions. Therefore, small businesses and nonprofit organizations do not need to request a waiver.

**H. NOTICE REGARDING ELIGIBLE/INELIGIBLE ACTIVITIES.**

Eligible activities under this program include those which describe and promote the understanding of scientific and technical aspects of specific energy technologies, but not those which encourage or support political activities such as the collection and dissemination of information related to potential, planned or pending legislation.

**I. NA**