

Objectives

The objectives of this solicitation are to promote the commercialization of geothermal energy for the production of electrical power, and to reduce the emission of greenhouse gases in the United States. By accomplishing these objectives, it is anticipated that jobs will be created and that the nation's geothermal industry will be better positioned to compete and win in the global marketplace. The potential sale of the new power generated by the cost-shared project(s) and further growth of the geothermal industry will off-set the use of fossil fuels to generate electrical power, thereby reducing the nation's emissions of greenhouse gases.

Priorities

To promote the commercialization of geothermal energy, DOE's geothermal exploration initiative identified the exploration of previously undiscovered geothermal resources as specific areas for emphasis in the solicitation of applications for new geothermal power capacity.

DOE Funding and Cost-Sharing

The project(s) will be cost-shared, with participant(s) providing a minimum of 50 percent of the costs. Total DOE funding is currently \$1,000,000. DOE will cost share 50 percent of well drilling and drill site data acquisition costs up to the amount available at the time of award.

It is intended that the federal funds should be used to help mitigate a portion of the initial risk associated with the development of geothermal energy. It is not intended that the project success be based upon a continuing subsidy of federal dollars. The funds for this solicitation shall be used for activities directly related to drilling new geothermal wells and characterizing the geothermal resource.

Qualified Applicants

For profit and not for profit organizations, state and local governments, Indian tribes and institutions of higher learning. Applications may include national laboratories, but only as lower tier participants with funding for their expected costs provided through their existing arrangements with the Government.

Preparation of Applications

Each application shall be submitted in two volumes. One original and eight copies of each application are to be submitted. It is recommended that the total number of pages for the two volumes not exceed 200 pages. Each

Volume should be a "stand alone" document. Volumes one and two of the proposal should be organized with headings and sub headings that match those in the Evaluation Criteria section of the Statement of Work.

Applications submitted in response to this solicitation must provide detailed program management, personnel, drilling and drill hole data collection, site selection, environmental and budget information as further specified in this solicitation. The applications should contain the following information as completely and concisely as possible consistent with being complete.

1. *Cover Page:* The cover page is to include the signature, title, address, telephone number, and fax number of the applicant's authorized representative. The cover page also is to contain the copy number of the volume, with the original volume identified as "Original: Copy No. 1," and subsequent copies identified as "Copy No. 2," "Copy No. 3," etc.

2. *Table of Contents:* The application is to include a table of contents and page numbers corresponding to the elements outlined in these preparation guidelines.

3. *Technical Summary:* The application is to provide a one page summary that furnishes a concise and informative description of the proposed project. This summary should contain information which is releasable to the public.

4. *Environmental:* The application is to include relevant information on leasing, permitting, and/or other legal, environmental, and commercial issues which may effect resource testing and development.

5. *Management Discussion:*

a. Program and Management Plan, Organization, and Key Personnel. A program management plan is to be provided that includes a statement of work detailing the activities necessary to complete the project. This plan is to include a project schedule identifying major milestones associated with the proposed cost-shared portion of the project, and how these milestones are incorporated into the remaining overall project work scope.

The management plan is to include the name and roles of the applicant and each of the participants involved in the project, including the contractual arrangements between the applicant and participants. The capabilities and responsibilities of the applicant and each participant; experience, qualifications, expected time commitment, and responsibilities of key personnel; and any unique facilities and/or capabilities which would assure

the success of the project are to be provided, along with information regarding the applicant's (or appropriate participant's) experience in geothermal exploration and drilling.

The application is to discuss the composition of the organization of the applicant and participants from the standpoint of being involved in, and/or representative of the geothermal industry.

b. *Financial Information.* The application is to provide a description of the applicant and all other participants in the project, including the type of business, history, size, and discussion of the ownership and/or controlling interest, along with a listing of current or recent (within the past two years) government contracts, grants, cooperative agreements, and/or other work by the applicant in this or related fields. This listing is to include the names of the sponsoring agency or firm, instrument number, amount of the instrument, subject area of the instrument, and the name and telephone number of the contracting officer, or contract specialist. DOE reserves the right to solicit from available sources relevant information concerning a proposer's past performance and may consider such information in its evaluation.

Financial data on the applicant and participants, identifying the source of cost sharing and the available financial resources, are to be provided. These data are to include annual financial statements (balance sheet and income and expense statement) for the past 3 years for the applicant, as well as for the participants providing cost sharing and/or performing work.

An estimated cost to perform the tasks as identified in the proposed statement of work for the overall project is to be provided along with the basis or rationale supporting these costs. It will be used to evaluate the reasonableness of the project cost, the probable cost to the government, as well as to provide an understanding of the magnitude of the effort required.

6. *Cost Sharing:* The requested amount of DOE funds to be cost-shared is to be identified, along with how these funds will be used and the year in which they will be utilized. The percentage level of the DOE funds to the total project cost is to be defined. The impact of DOE's cost share to the viability of the project is to be addressed.

The application is to provide an estimate of the monetary value of all labor and cash contributions to the project by year and by party (DOE, applicant, and participants). If cost