

## **Call for Laboratory-Directed Research and Development (LDRD) Proposals in Energy-related Research and Development (R&D)**

### **General Guidelines**

Proposal Due Date: July 31, 2007

Award Notifications: September 30, 2007

Target Funding Start: January 1, 2008

This call solicits proposals in energy-related R&D in support of the Laboratory's strategy in this area. The challenges that the Laboratory seeks to address are outlined in the Lab energy strategy and in a series of white papers that were developed in support of this strategy. We anticipate funding projects aimed at the development of new competencies at BNL. Hence they will be funded at somewhat higher levels than in the past, and for the full 36 months. The business case, including the potential for follow-on funding for these proposals, will held to a high standard.

A webpage has been established to provide information related to this call, including the energy strategy and white papers as well as review procedures and criteria [http://www.bnl.gov/ldr/fy08\\_EnergyRelated\\_LDRD/](http://www.bnl.gov/ldr/fy08_EnergyRelated_LDRD/). It is important to note that proposals submitted in response to this call will utilize a different format and will be reviewed using criteria and a process that is different than for the open LDRD call, so please pay close attention to these changes.

The deadline for receipt of proposals is COB July 31, 2007. We ask that you submit your proposal electronically through your respective Chairperson/Division Head and ALD to S. Parrish (Sabrina@bnl.gov). In drafting your proposal, utilize the Proposal Information Questionnaire (PIQ) for Energy-Related LDRD, which can be obtained electronically at [http://www.bnl.gov/ldr/fy08\\_EnergyRelated\\_LDRD/](http://www.bnl.gov/ldr/fy08_EnergyRelated_LDRD/). Proposals that do not follow the PIQ format will be rejected.

### **Guidelines for Proposal Development for Energy R&D LDRD Requests**

The proposal should present:

- The objectives and scientific or technological significance of the proposed work
- The relationship to fundamental barriers associated with the acceptance and/or deployment of renewable/alternative energy sources and/or the efficiency of the conversion, storage, transmission, and/or use of energy sources
- The suitability of the approach and the methods employed
- The effect of the activity on BNL's core competencies
- The qualifications of the principal investigators
- The amount of funding required
- The names of potential external reviewers.

### **Elements of the Proposal:**

#### **1. Cover Page**

A cover page (item 1 in the PIQ) must precede each proposal.

## **2. Summary**

The proposal must contain a summary of the proposed activity, not more than one page in length. The summary should be a self-contained description of the activity that would result if the proposal were funded and include a statement of the objectives and methods to be employed. It should not be an abstract. The summary should be informative to persons from the same field, yet understandable to the more general scientifically literate audiences who are not experts in the field.

## **3. Project Description**

The Project Description should provide a clear statement of the work to be undertaken and must include: objectives for the period of the proposed work and expected significance; relation to longer-term goals, to the present state of knowledge in the field, to work in progress at BNL under other support, and to work in progress elsewhere; inside or outside of BNL.

The Project Description should outline the general plan of work, including the broad design of activities to be undertaken. As an integral part of the narrative, it must describe the broader impacts resulting from the proposed activities, addressing as appropriate, one or more of the following:

- How the project will further the Laboratory's strategic aims in energy-related R&D
- How the project will enhance the infrastructure for research at BNL, such as development of new facilities, instrumentation, networks, and partnerships
- How the project relates to the goals of research sponsors at the DOE or elsewhere
- The potential for intellectual property resulting from the research.

Any substantial collaboration with individuals not included in the budget should also be described. The Project Description may not exceed 10 pages.

## **4. References**

The proposal may also include a list of references that substantiate assertions of need, scientific or technical barriers, or research results on which the proposed work relies.

## **5. Equipment**

If the proposal includes a request for equipment over \$5000, a statement of justification is needed for each piece of equipment that is being requested. The statement of justification should include information about the relationship to the proposed work and a statement of the potential impact on the proposed statement of work, if the equipment were not made available, as well as potential alternative solutions (if any).

## **6. Biographical Information**

For each of the principal investigators, the proposal must include a one-page CV that lists their education, history of employment and other appointments, areas of expertise, and publications relevant to the proposed work (not to exceed 10).

## **7. Reviewers**

Please provide the names and contact information (address, email address, phone number) of three qualified external reviewers who we may contact for a review by mail.

**8. Information about the Proposal**

The questions (item 8 in the PIQ) must be answered and the proposal must be approved by the Department/Division Administrator, the Department Chair/Division Manager, and the Cognizant Associate Laboratory Director.

**9. Budget**

The LDRD Budget Request by Fiscal Year form (item 9 in the PIQ) must be completed. The requested budget should be commensurate with the proposed scope of work and will be considered as one of the review criteria.