

2010

PROGRAM ANNOUNCEMENT
SMALL BUSINESS
ENERGY EFFICIENCY CLEAN
TECHNOLOGY ASSISTANCE PROGRAM
[FORMERLY SMALL BUSINESS
SUSTAINABILITY INITIATIVE (SBSI)]

(OSBDC-2010-05)

In order to be eligible for this funding opportunity, the applicant must currently be funded by SBA as a Small Business Development Center (SBDC) Lead Center. Only applications that are submitted by SBDC Lead Centers identified under following URL will be accepted:

http://www.sba.gov/aboutsba/sbaprograms/sbdc/sbdclocator/SBDC_LOCATOR.html

All applicants must meet eligibility in order to qualify for funding.

Proposals must be posted to www.grants.gov no later than 09:00 PM EDT December 14, 2009 in order to be accepted.

U.S. SMALL BUSINESS ADMINISTRATION
OFFICE OF SMALL BUSINESS DEVELOPMENT CENTERS

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1.0 Section I – Funding Opportunity Description

1.1. Program Overview

- 1.1.1. Federal Agency Name U.S. Small Business Administration
- 1.1.2. Funding Opportunity Title Small Business Energy Efficiency Clean Technology Assistance Program
- 1.1.3. Announcement Type Initial
- 1.1.4. Funding Opportunity Number: Program Announcement No. OSBDC-2010-05
- 1.1.5. CDFA Number 59.037
- 1.1.6. Closing Date for Submissions: December 14, 2009, 09:00 PM EDT
- 1.1.7. Authority: The Energy Independence and Security Act of 2007, Public Law 110-140, Title XII, § 1203(c)
- 1.1.8. Duration of Authority: Three (3) Years
- 1.1.9. Funding Instrument: Cooperative Agreement
- 1.1.10. Funding: Funding is for Calendar Year (CY) 2010.
- 1.1.11. Award Amount: SBA anticipates making four awards of not more than \$125,000 each. However, the Agency reserves the right to change the number and/or dollar amount of awards as circumstances warrant. There is a 1:1 matching funds requirement.
- 1.1.12. Project Duration: Awards will be made for a base project period of twelve (12) months with two, twelve-month option periods. .
- 1.1.13. Project Starting Date: January 1, 2010
- 1.1.14. Proposal Evaluation: Proposals will be scored against the evaluation criteria in Section V. SBA may ask applicants for clarification on the technical and cost aspects of proposals. This must not be construed as a commitment to fund the proposed effort.
- 1.1.15. Agency Point of Contact: Small Business Administration, Office of Small Business Development Centers, Tel: (202) 205-6766. Email: osbdc@sba.gov

1.2 Introduction

The Energy Independence and Security Act of 2007 [Public Law 110-140, Title XII, § 1203(c)] was enacted by Congress “to move the United States toward greater energy independence and security, to increase the production of clean renewable fuels, to protect consumers, to increase efficiency of products, buildings, and vehicles, to promote research on and deploy greenhouse gas capture and storage options ...” Title XII, § 1203(c) of that Act requires the SBA Administrator to establish a Small Business Energy Efficiency Program to, among other things, assist owners of small business concerns with the development of clean technology as an adjunct of the Agency’s Small Business Development Center (SBDC) Program.

The SBDC Program is the U.S. Small Business Administration’s (SBA’s) largest matching grant-funded service delivery network providing quality customer service to the small business community. The SBDC program has 63 recipient organizations known as Lead Centers—one in each state (four in Texas and six in California), the District of Columbia, Puerto Rico, the Virgin Islands, Guam and American Samoa and their corresponding Service Center networks. The SBDC program creates a broad-based nationwide network providing assistance to the small business community by linking the resources of federal, state and local governments with the resources of the educational community and the private sector. In partnership with SBA’s Office of Small Business Development Centers (OSBDC) and district offices, the SBDCs develop programs and provide business management and other services that enhance the economic development goals and objectives of their respective states, their local funding partners and SBA.

1.3 Purpose

Pursuant to the Energy Independence and Security Act of 2007, Public Law 110-140, Title XII, Section 1203 (c), existing SBDC Lead Centers may apply to SBA for awards of financial assistance to implement the Small Business Energy Efficiency Clean Technology Assistance Program.

Recipients of awards under this Announcement will be required to assist owners of small business concerns by promoting the development and commercialization of clean technology products, goods, services, and processes that use renewable energy sources, dramatically reducing the use of natural resources, and cut or eliminate greenhouse gas emission through the following.

- Technology assessment;
- Intellectual property;
- Small Business Innovation Research submissions under § 9 of the Small Business Act (15 U.S.C. § 638);
- Strategic alliances;
- Business model development; and
- Preparation for investors.

1.4 Statement of Work

OSBDC wishes to enter into one or more cooperative agreements with SBDC Lead Centers to provide assistance to small business concerns as indicated in paragraph 1.3.

1.5 Proposal Guidance

SBA will only accept and evaluate proposals submitted by entities currently serving as SBDC Lead Centers. An SBDC Lead Center will only be eligible to participate in the Energy Efficiency Clean Technology Assistance Program if it is certified under § 21(k)(2) of the Small Business Act (15 U.S.C. § 648(k)(2)).

In the interest of making the Energy Efficiency Clean Technology Assistance Program services available to the greatest number of entrepreneurs, applicants are encouraged to design their proposals to use multiple service delivery sites within their State SBDC networks and/or to employ regional approaches involving cooperation among other SBDC Lead Centers and their networks.

To the maximum extent practicable, SBA will fund Energy Efficiency Clean Technology Assistance Program projects to promote a nationwide distribution of participating SBDC Lead Centers.

No state will receive more than one award under the governing statute (Public Law 110-140).

2.0 Section II – Award Information

2.1 General Award Information

2.1.1 Project Start Date

The project start date is January 1, 2010 for states/regions responding to Announcement No. OSBDC-2010-05

2.1.2 Project Duration

Awards made under this Announcement will be for a base project period of twelve (12) months with two, twelve-month option periods. Option periods will be exercised at the discretion of SBA, subject to continued program authorization, availability of funds, satisfactory performance, and full accreditation.

2.2 Funding Information

2.2.1 Funding

Funds provided under this Announcement must be used solely for the stipulated purpose and may not be commingled with any other SBA grant funds received by an SBDC. Additionally, funds provided under this Announcement are not supplemental to other SBDC program funding and, as such, all reporting must be discrete and separate

2.2.2 Funding Instrument

The OSBDC funding instrument is a Cooperative Agreement.

2.2.3 Funding Range

The funding level for this Program is \$500,000. The Office of Small Business Development Centers intends to fund 4 projects of approximately \$125,000 each. However, the Agency reserves the right to change the number and/or dollar amount of awards as circumstances warrant.

2.2.4 Cancellation

SBA reserves the right to cancel this Announcement, in whole or in part, at the Agency's discretion.

2.3 Matching Requirement. Each organization receiving an award under this Announcement is required to match funding received on a 1:1 ratio. Not less than 50 percent of the match must be in the form of cash. The remainder of match may take the form of waived indirect and/or in-kind contributions. No portion of the match may be from Federal sources (except eligible Community Development Block Grant funds). Program income (i.e. fees collected from clients and/or attendees for training) is excluded from being used as match.

3.0 Section III – Eligible Applicants

- 3.1 *Eligible Applicants.* To be eligible for this funding opportunity an applicant must, as of the date of its application, be an accredited SBDC and be funded as a Lead Center by SBA. An application submitted by an entity that is not an SBDC Lead Center will not be accepted or evaluated.
- 3.2 *Ineligible Applicants.* The following will automatically be considered ineligible and their applications will not be evaluated:
- a. Any organization **NOT** a currently funded and accredited SBDC Lead Center;
 - b. Any organization currently having an outstanding, unresolved financial obligation to any Federal agency;
 - c. Any organization suspended or debarred from receiving contracts or grants from any Federal agency or otherwise excluded from Federal procurement programs;
 - d. Any organization having any unresolved and material audit issues reported under the requirements of the Single Audit Act of 1986 (OMB Circular A-133) within three years of the proposed funding period;
 - e. Any organization having at least one substantially non-compliant condition within SBA program guidelines occurring while administering or implementing any SBA program; and
 - f. Any organization that has had an SBDC award suspended, terminated, or non-renewed under 13 C.F.R. § 130.700.

4.0 Section IV - Application and Submission Information

Proposals must be submitted for one year with three option years. Proposals must include the information listed in the chart below as appropriate for the project year. All proposals (narrative and forms) must be submitted via www.sba.gov for review by OSBDC. Hard copy or other submissions will not be accepted. Forms are available at www.sba.gov/sbdc. To retrieve these forms, use the hyperlink provided (SBDC Forms and Worksheets) which will direct you to the appropriate location on the OSBDC webpage or insert the following URL into your web browser and click on the 'Forms and Worksheets' heading: "www.sba.gov/aboutsba/sbaprograms/sbdc/funding/sbdc_funding_opps.html"

4.1 Proposal Attachments Chart

Submission Information		Base Year	Option Years	Source
Technical Proposal (Part I)	Technical Narrative	Prepare for the base year and two option years.	Provide changes related to the service delivery approach; new SBA/SBDC priorities; schedule of holiday closures; a list of new employees, their positions, and resumes	
	List of Attachments	√	√	
	Planned Milestone Accomplishments	Submit for first year only	Update as necessary, provide revised goals for program year.	SBDC forms and worksheets
Budget Information (Part II)	Application for Federal Assistance SF-424	Provide for initial year. Also include two separate SF-424s for the optional year budget periods	√	www.grants.gov
	Budget Detail Worksheet (A9-A11)	Provide for initial year. Also include two separate SF-424s for the optional year budget periods	√	SBDC forms and worksheets
	Budget Information Non-Construction Programs SF-424A	Provide for initial year. Also include two separate SF-424As for the optional year budget periods	Sections A, B, C, D and E should be completed for the corresponding 12-month budget period for the network, Lead Center and applicable Service Center (if standard SBDC Budget Justification format is not submitted).	www.grants.gov
	Indirect Cost Rate Agreement	Submit for lead Center claiming indirect costs		

Certification Forms and Assurances (Part III)	Certification Regarding Debarment, Suspension, and Other Responsibility Matters, Primary Covered Transactions SBA Form 1623	√	√	www.grants.gov
	Certification Regarding Drug-Free Workplace Requirements	√	√	www.grants.gov
	Certification Regarding Lobbying SBA Form 1711	√	√	www.grants.gov
	Disclosure Form SF-LLL	√	√	www.grants.gov
	Cash Match and Program Income Certification Form	√	√	www.grants.gov
	Cost Sharing Proposal SBA Form 1224	√	√	www.grants.gov
	Assurances Non-Construction Programs SF-424B	√	√	www.grants.gov

4.2 Proposal Information

4.2.1 *Technical Proposal (Part I)* (Not to exceed 20 pages, excluding attachments and exhibits).

- a. The technical proposal must have numbered pages. Supporting documentation (i.e. demographics, statistical data, needs assessments, studies, etc.) is mandatory for the technical proposal. Proposals will be rejected if supporting documentation is not provided. Supporting documentation must be attached to the technical proposal and must be easily identified by any reviewer of the proposal. The applicant must describe the specific approach and technical capability to accomplish each objective identified in the statement of work.
- b. This part should contain all of the technical details related to the Energy Efficiency Clean Technology Assistance Program, the required end products, and any special considerations or restraints that apply. The discussion should reflect the results of market research conducted to determine the program's services, description of work outputs and products (such as performance indicators, performance standards, and acceptable quality levels of service), and if there have been technological or other changes in services required by the program. The applicant must provide:
 - a project overview (one-page or less) that acts as an executive summary of the vision, mission and overall goal of the project;

- a description of its specific approach and technical capability to provide each category of service identified in paragraph 1.2;
 - a definitive narrative demonstrating the applicant's overall understanding of the program and how it relates to the Agency's mission; and
 - a concise discussion of the applicant's experience providing small business concerns with training and counseling for technology development projects as described in paragraph 1.2, above;
 - a comprehensive evaluation methodology to measure the outcomes of the project goals and objectives that meets the following criteria;
 - it must have clear and easily measurable evaluation and reporting templates which must be included in the proposal, each quarterly report, and the annual report;
 - these methodologies and measures must be consistently applied to accommodate future comparisons to the original goals and objectives;
 - a plan to measure program effectiveness on a quarterly basis within the grant period, and, if applicable, from year to year.
 - a timeline with milestones for the 12-month life of the grant period; and the three option years;
 - a Performance Measurement Tool and template, if applicable. If tracked in applicant's Management Information System (MIS), identify and include a disclaimer that the technical assistance provided is not included in your quarterly EDMIS upload submissions associated with ongoing SBDC Program operations. Data must be collected and submitted to SBA through EDMIS on a quarterly basis with coding appropriate to the Energy Efficiency Clean Technology Assistance Program. For information on coding contact your software service provider or view the requirements documents at www.sba.gov/private/edmis2/private
 - a detailed discussion of the approach to overall management and integration of all activities required by the Energy Efficiency Clean Technology Assistance Program project. This discussion will address the management objectives and techniques that demonstrate how the work requirements will be met and must include an organizational chart.
- c. The applicant must provide a staffing plan identifying, by name, the key management and technical personnel who will work under the program. Substitutions of key personnel will be made in accordance with 13 C.F.R. § 130.620. The staffing plan must include résumés, position descriptions and identify the amount of time each key staff member will devote to the project (maximum of 2 pages per résumé and 1 page per position description). Résumés must demonstrate experience relevant to this project. At a minimum, an applicant's proposal must include the following key personnel:
- a project director, having the appropriate professional credentials, responsible for coordinating the proper reporting procedures as well as management and oversight of the project
 - a staff member dedicated to on-going project management and data collection, with expertise in electronic reporting and adequate project management skills to provide progress reporting; and
 - a staff member responsible for financial record keeping,
- d. The applicant must also provide a list of contractors and consultants, identified separately, along with copies of contractual/consultant agreements that employ project funds.

Budget information will be provided through the attachments outlined in the table in 4.1.

4.4 *Certifications and Assurances (Part III)*

Provide assurances as indicated in 4.1.

4.5 *Proposal Attachments.*

[See paragraph 4.1](#) for further proposal submission information.

4.6 *Required Proposal Submission Dates*

Each SBDC applicant is required to submit its proposal via www.grants.gov

5.0 Section V - Application Review Information

5.1 *Evaluation Criteria*

Applications will not be reviewed if:

- a. the application package is incomplete;
- b. forms are missing, incomplete, or required detail is not provided; and/or
- c. documentation and/or qualified research supporting evidence of targeted region or business community or criteria supporting project identification is not provided

Applications will be scored as follows:

Organizational Capability and Project Need: (20 Points)

- a. Knowledge of the development of clean technology products. Applicants must provide evidence (statistics, demographics, research, case studies, and other supporting documentation) of the targeted region or business community.
- b. Proposal must include reliable:
 - Evidence of availability of subject matter expertise and ability to educate, train and advise on the development of clean technology;
 - Evidence of availability of financial expertise to assist small business concerns in securing financing related to energy efficiency technology
- c. Proposal must include supporting information related to energy technology education and training and demonstrate objective factual and economic or market justifications for the proposed project. Demographics demonstrating a local need for assistance related to the development of clean technology must be provided. Proposal must include reliable:
 - statistics on businesses involved in energy technologies and products.
 - other specifically related criteria in support of targeting the business

community.

- d. Proposal must demonstrate that the applicant has knowledge and past experience of technology development including science, technology, and clean and renewable energy technologies; the applicant's past experience in providing small business support for clean technology; and small businesses involved in commercialization of energy products or services. Proposal must show how it responds to the unique needs of applicant's targeted market. Provide specific examples.

Project Services and Delivery: (40 Points)

The Proposal Narrative must specify and detail the educational and/or technical assistance delivery methods, products and their implementation. Applicants will be evaluated on their understanding of the project and the proposed approach for performing the award.

- a. Innovation and creativity in providing assistance to small business is encouraged. The proposal must demonstrate that the project makes innovative and imaginative use of resources while filling a vital gap in support of small businesses.
- b. The Proposal Narrative must address the applicant's ability to offer confidential, free, one-on-one, in-depth counseling to the owners and operators of small business concerns in relation to the development of clean technology.
- c. Best Practices. The design should lend itself to identification and implementation of best practices; serve as a model; or be summarized and posted on a website as a delivery mechanism for others' use.
- d. The proposal must provide measurable, reportable effectiveness in its delivery assistance; demonstrate that the project design and methodology are viable; lend itself to easily traceable, accurate reporting of project outcomes; include templates; and ensure that progress can be easily identified/adjusted with these templates.
- e. The proposal should demonstrate sufficient capacity to address the needs of the targeted community; that the assistance can be made readily available; and that the project part of a larger strategy, e.g., working with local or state development organizations.

Project Management: (15 Points)

- a. The proposal must state how and by whom staff will be chosen and that the staff selection process will ensure that employees are qualified and sufficiently experienced to implement and administer this project. The proposal must identify the key management, staff, and contractors/consultants, listing all full-time and part-time SBDC network employees devoting their time to this project and include resumes of staff, volunteers and contractors/consultants showing that these individuals are sufficiently experienced/educated to further the goals of the project. Include sample contracts for consultants/contractors
- b. An organizational chart for all proposed full time and part-time project staff and the amount of time each will devote to this project
 - Include a description of staff overseeing program direction, ongoing program data collection and electronic reporting to SBA.
 - Include a description of staff responsible for financial record keeping on the receipt and expenditure of program funds.

Operational Controls: (25 Points)

The proposal must include

- a. An evaluation design and method for measuring the outcomes of the project's objectives and compliance with required financial and performance reporting.
- b. A process for on-going monitoring.
- c. A timeline with project tasks for the grant period, including a template to track the program's performance from quarter to quarter against the original goals.
- d. Proposed costs must match the projected efforts; budget information must be complete, detailed and accurate; and the Detailed Expenditures Worksheet portion of the budget information must be complete.
- e. Additional funds or in-kind contributions being contributed to this project by the host or other partners must be identified.

5.2 *Review and Selection Process*

Proposals will first be screened to determine if the applicant meets the eligibility requirements enumerated in Section III above. SBA will not consider materially incomplete applications, submitted by otherwise eligible

entities. Submissions will only be accepted via www.grants.gov. Submission via other media will not be accepted. SBA officials will perform a Technical Evaluation on accepted proposals based on the evaluation criteria identified in paragraph 5.1. Each accepted proposal will be individually scored and ranked. Proposals falling outside the competitive range will not be considered for funding. Where all other factors are equal, order of submission will be used as a final determining factor when selecting proposals for funding.

6.0. Section VI - Award Administration Information

6.1. *Award Notice.*

All eligible applicants will receive written notification of whether or not they have been awarded funding.

6.2. *Reporting.*

All recipients are required to submit the reports identified below. Financial and Performance reports should be submitted together, with a cover letter to the Grant Officer's Technical Representative (GOTR). SBA may withhold payment if reports are not received or deemed inadequate. Failure to report in a timely manner will be weighed against future requests for grant funding. The reports provided by Recipients may be made public. In addition, SBA reserves the right to require Recipients to post these reports on their web sites. Results obtained from an Energy Efficiency Clean Technology award (including clients counseled and trained, on-line counseling and distance learning systems developed, and coordination progress among research and development entities in the field of energy efficiency) must be discrete and separate from data reported under the regular SBDC grant program.

Reporting requirements include:

6.2.1 *Performance Reports*

All recipients must be fully capable of either manually entering data or uploading batch files to an SBA management information system as designated by SBA. Such system currently used by SBA is the EDMIS system.

Recipients must submit quarterly performance reports and an annual performance report to the **GOTR** within the applicable timeframe. Recipients must submit both electronic versions of the performance reports (in Microsoft Word format) and hard copies (one original and one copy). Electronic versions of the performance reports may be submitted via email if the file is less than 5MB in size. Hard copies of the performance reports must be submitted **via two-day mail**, if possible.

6.2.2 *Quarterly Performance Reports (QPR).* Recipients must submit QPRs within 30 days of the completion of each quarter. Each QPR must include

- a. a discussion of problems encountered and steps taken or proposed to correct those problems. This comparison must incorporate the evaluation measurement template(s) (this may be in the form of a template to easily track progress. If cumulative in nature, a brief analysis during each reporting period is required);
- b. a comparison of project tasks to actual accomplishments and identification of the reasons for non achievement and a plan of action to address them, where applicable; and
- c. copies of résumés and subcontracts relating to the current budget period, if not previously submitted.
- d. data must be collected and submitted to SBA through EDMIS on a quarterly basis with coding appropriate to the Energy Efficiency Program. For information on coding contact your software service provider or view the requirements documents at www.sba.gov/private/edmis2/private

6.2.3 *Annual Performance Report (APR).* Recipients must submit consolidated APRs to the GOTR within 90 days of the completion of the 12-month project period. An APR must include a well-organized description of the

work performed, accomplishments, and any difficulties encountered. In addition, it must summarize the entire project period, detailing the project's mission, scope, results, impact and recommendations for duplication and best practices. An APR must also include

- a. a summary of the energy efficiency clean technology assistance provided by the Recipient under the project;
- b. the number of small business concerns assisted under the project; and
- c. any additional information deemed necessary by the Administrator, in consultation with the Association of Small Business Development Centers.

6.2.4 *Financial Reports*

Recipients must submit quarterly financial reports in hard copy within 30 days of the completion of each of the first three quarters and within 90 days of the completion of the performance year. Signed originals and one copy must be mailed to the GOTR within the required timeframe. Financial reports must include the following:

- a. Standard Form 425, "Federal Financial Report."
- b. a Budget Narrative containing an original budget line item expenditures column, a cumulative expenditures column and an expenditures column for the current reporting period. Budget narratives must provide information relating to overall financial expenditures in each of the key line items. Each line item must be specifically addressed.

6.3 *Payments.*

Payment will be made, by reimbursement, on a quarterly basis. Payment requests must be sent to the GOTR, along with the quarterly reports. The Recipient must submit the following with each reimbursement request:

- a. Standard Form 270 - Request for Advance or Reimbursement
- b. Standard Form 272 - Federal Cash Transactions Report
- c. Detailed Expenditures Worksheet (A12) (Direct Cost Budget, Key Personnel and Indirect Cost Worksheet) Must be filled out completely as instructed on the form and must be aligned with the original budget, and the budget and performance report narrative. Explanations in the budget narrative must encompass expenditures and reasons for expenditures. Invoices supported by the budget and performance narrative must match the actual performance period.

7.0. **Section VII - Agency Contacts**

Questions concerning general information contained in this Announcement must be directed to the Energy Efficiency Program GOTR at (202) 205-6766.

8.0. **Section VIII - Other Information**

- 8.1. *Advanced Understandings.* If any portion of this Program Announcement conflicts with Section 21 of the Small Business Act, Part 130 of the SBA's regulations (13 C.F.R.), relevant OMB circulars or SBA's policy notices, all of the above will control and take precedence. The terms and conditions of Section VIII of SBA's current, standard Program Announcement are incorporated by reference herein.
- 8.2. *Shared Information.* The SBA will have an unlimited license and all rights to use data (excluding private client data), including those prepared or stored electronically, which are generated either partially or fully under this Grant, including materials that are copyrighted.
- 8.3. *Dispute Resolution.* Dispute resolution occurs when there is a programmatic or financial disagreement between the recipient organization and the SBA and the recipient organization requests that the dispute be handled by SBA in a formal manner. Any dispute arising after award of the Grant will be resolved in the manner

prescribed and within the time frames stated in the SBDC regulations and the Notice of Award. Every effort will be made to resolve disputes.

8.4. Definitions. The following definitions apply to grants made under this Program Announcement:

8.4.1 Applicant. An SBDC Lead Center who is seeking a grant award under this Program Announcement.

8.4.2 Association. This term means the association of small business development centers established under section 21(a) (3) (A) of the Small Business Act [15 U.S.C. 648(a) (3) (A)].

8.4.3 Energy Audit.

- a. An energy audit is an inspection, survey and analysis of energy flows in a building, process or system with the objective of understanding the energy dynamics of the system under study. Typically an energy audit is conducted to seek opportunities to reduce the amount of energy input into the system without negatively affecting the output(s). When the object of study is an occupied building then reducing energy consumption while maintaining or improving human comfort, health and safety are of primary concern. Beyond simply identifying the sources of energy use, an energy audit seeks to prioritize the energy uses according to the greatest to least cost effective opportunities for energy savings.
- b. The term energy audit is commonly used to describe a broad spectrum of energy studies ranging from a quick walk-through of a facility to identify major problem areas to a comprehensive analysis of the implications of alternative energy efficiency measures sufficient to satisfy the financial criteria of sophisticated investors. Three common audit programs are described in more detail below, although the actual tasks performed and level of effort may vary with the consultant providing services under these broad headings. The only way to ensure that a proposed audit will meet your specific needs is to spell out those requirements in a detailed scope of work. Taking the time to prepare a formal solicitation will also assure the building owner of receiving competitive and comparable proposals. Three common types of energy audit programs are:
 - *Preliminary Audit.* The preliminary audit (alternatively called a simple audit, screening audit or walk-through audit) is the simplest and quickest type of audit. It involves minimal interviews with site-operating personnel, a brief review of facility utility bills and other operating data, and a walk-through of the facility to become familiar with the building operation and to identify any glaring areas of energy waste or inefficiency. Typically, only major problem areas will be uncovered during this type of audit. Corrective measures are briefly described, and quick estimates of implementation cost, potential operating cost savings, and simple payback periods are provided. This level of detail, while not sufficient for reaching a final decision on implementing proposed measures, is adequate to prioritize energy-efficiency projects and to determine the need for a more detailed audit.
 - *General Audit.* The general audit (alternatively called a mini-audit, site energy audit or complete site energy audit) expands on the preliminary audit described above by collecting more detailed information about facility operation and by performing a more detailed evaluation of energy conservation measures. Utility bills are collected for a 12 to 36 month period to allow the auditor to evaluate the facility's energy/demand rate structures and energy usage profiles. If interval meter data is available, the detailed energy profiles that such data makes possible will typically be analyzed for signs of energy waste. Additional metering of specific energy-consuming systems is often performed to supplement utility data. In-depth interviews with facility operating personnel are conducted to provide a better understanding of major energy consuming systems and to gain insight into short and longer term energy consumption patterns. This type of audit will be able to identify all energy-conservation measures appropriate for the facility, given its operating

parameters. A detailed financial analysis is performed for each measure based on detailed implementation cost estimates; site-specific operating cost savings, and the customer's investment criteria. Sufficient detail is provided to justify project implementation.

- *Investment-Grade Audit.* In most corporate settings, upgrades to a facility's energy infrastructure must compete for capital funding with non-energy-related investments. Both energy and non-energy investments are rated on a single set of financial criteria that generally stress the expected return on investment (ROI). The projected operating savings from the implementation of energy projects must be developed such that they provide a high level of confidence. In fact, investors often demand guaranteed savings. The investment-grade audit (alternatively called a comprehensive audit, detailed audit, maxi audit, or technical analysis audit) expands on the general audit described above by providing a dynamic model of energy-use characteristics of both the existing facility and all energy conservation measures identified. The building model is calibrated against actual utility data to provide a realistic baseline against which to compute operating savings for proposed measures. Extensive attention is given to understanding not only the operating characteristics of all energy consuming systems, but also situations that cause load profile variations on short and longer term bases (e.g. daily, weekly, monthly, annual). Existing utility data is supplemented with sub-metering of major energy consuming systems and monitoring of system operating characteristics.

8.4.4. Disability. Refers to the definition in section 3 of the Americans with Disabilities Act of 1990 (42 U.S.C. 12102);

8.4.5. Electric utility. Refers to the definition given that term in section 3 of the Public Utility Regulatory Policies Act of 1978 (16 U.S.C. 2602).

8.4.6. High performance green building. Means a high-performance building that, during its life-cycle, as compared with similar buildings (as measured by Commercial Buildings Energy Consumption survey or Residential Energy Consumption Survey data from the Energy Information Agency) –

- a. reduces energy, water, and material resource use;
- b. improves indoor environmental quality including reducing indoor pollution, improving thermal comfort, and improving lighting and acoustic environments that affect occupant health and productivity;
- c. reduces negative impacts on the environment throughout the life-cycle of the building, including air and water pollution and waste generation;
- d. increases the use of environmentally preferable products, including bio-based, recycled content, and nontoxic products with lower life-cycle impacts;
- e. increases reuse and recycling opportunities;
- f. integrates systems in the building;
- g. reduces the environmental and energy impacts of transportation through building location and site design that support a full range of transportation choices for users of the building; and
- h. other factors that the AA/SBDC consider to be appropriate.

8.4.7. On-bill financing. Means a low interest or no interest financing agreement between a small business concern and an electric utility for the purchase or installation of equipment, under which the regularly scheduled payment of that small business concern to that electric utility is not reduced by the amount of the

reduction in cost attributable to the new equipment and that amount is credited to the electric utility, until the cost of the purchase or installation is repaid;

8.4.8 Recipient: A qualified SBDC Lead Center that has been awarded a grant under this Program Announcement.

8.4.9 SBDC Lead Center. The SBDC recipient organization that is approved for funding and enters into a Cooperative Agreement with SBA. The recipient organization receives the federal funds and is responsible for establishing an SBDC network for a defined area.

8.4.10 *Small Business* means a business entity:

- a. that is independently owned and operated, is not dominant in its field of operation, is organized for profit with a place of business located in the United States, and operates primarily within the United States; and
- b. that does not exceed the applicable size standard for its industry as established under 13 C.F.R. § 121. In general, the most common size standards are:
 - 500 employees for most manufacturing and mining industries
 - 100 employees for all wholesale trade industries
 - \$33.5 million in average annual receipts for most general & heavy construction industries
 - \$14 million in average annual receipts for all specialty trade contractors
 - \$7 million in average annual receipts for most retail and service industries
 - \$0.75 million in average annual receipts for most agricultural industries