



Small
Business
Vouchers Pilot

ENERGIZING THE CLEAN ECONOMY

SMALL BUSINESS VOUCHERS PILOT: Round 3 Overview

Mike Paulus
Oak Ridge National Laboratory



U.S. DEPARTMENT OF
ENERGY

National Laboratory
Impact Initiative



Outline

- SBV Pilot Goals, Purpose, and Background
- Brief Review of Round 2 Results
- Round 3 Schedule and Logistics
- RFA Outline
- Scoring
- RFA Submission Process
- Q&A



SBV Pilot Goals, Purpose, and Background



Small Business = Big Economic Impact

SMALL BUSINESS FACTS

Driving the spirit of innovation, entrepreneurship and individual initiative.



Source: Council on Small Businesses

DOE awarded ~\$15M in Small Business Vouchers in FY16 and has made another \$12M available in FY17.

Eligible Small Businesses are US based and US owned for profit entities with fewer than 500 employees world wide.



Our mission is to significantly increase the industrial impact of DOE national labs on the U.S. clean energy sector.



Increase and enhance lab-private sector partnerships



Increase and streamline access to national lab capabilities



Demonstrate the value of lab-developed science and technology

Small Business Challenges in Accessing Lab Capabilities:

- Cannot afford it
- Contracting process is too long and burdensome
- Lab system is difficult to navigate (cannot locate right researcher)

The SBV Pilot Addresses Small Business Challenges by:

- Making funding available for ~100 vouchers.
- Streamlining back end business practices to shorten contracting process.
- Implementing a support network to help small businesses navigate the entire lab system by technology area.

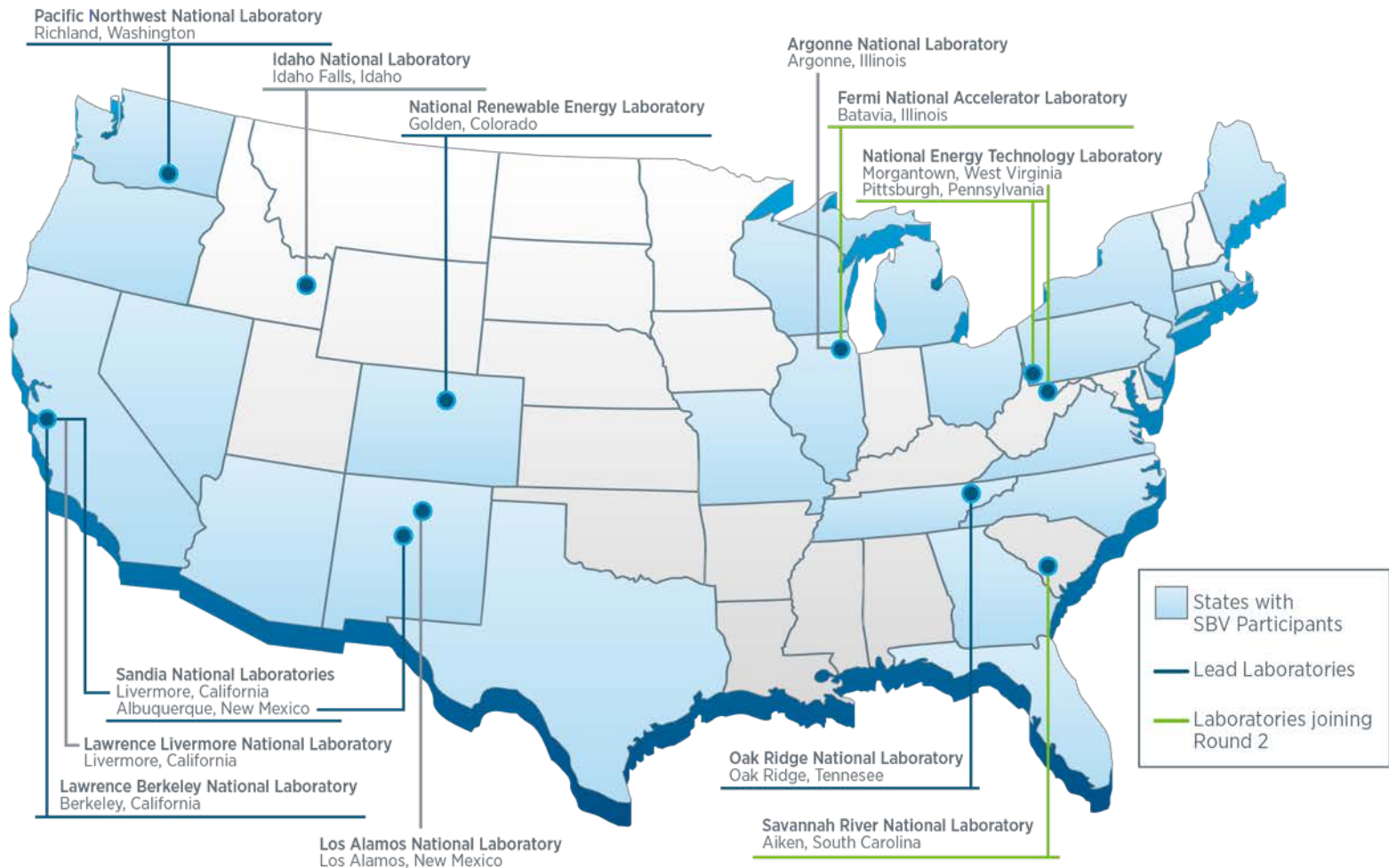




SBV Lead Labs





12 DOE national laboratories participating in SBV in 9 tech areas



Voucher R&D Areas and Types of Assistance

Voucher R&D Technology Areas*

- Advanced Manufacturing
- Bioenergy
- Buildings
- Fuel Cells
- Geothermal
- Solar
- Water Power
- Wind
- Vehicles

**Specific descriptions available on sbv.org on the Technologies pages.*

Example types of work

- Prototyping
- Materials characterization
- High performance computations
- Modeling and simulations
- Intermediate scaling to generate samples for potential customers
- Validation of technology performance
- Designing new ways to satisfy regulatory compliance.



Brief Review of Round 2 Results



Over 900 Requests for Assistance over 2 rounds

Round 1

- 33 small businesses selected
- 40% of applicants new to the labs
- \$6.7 million in vouchers

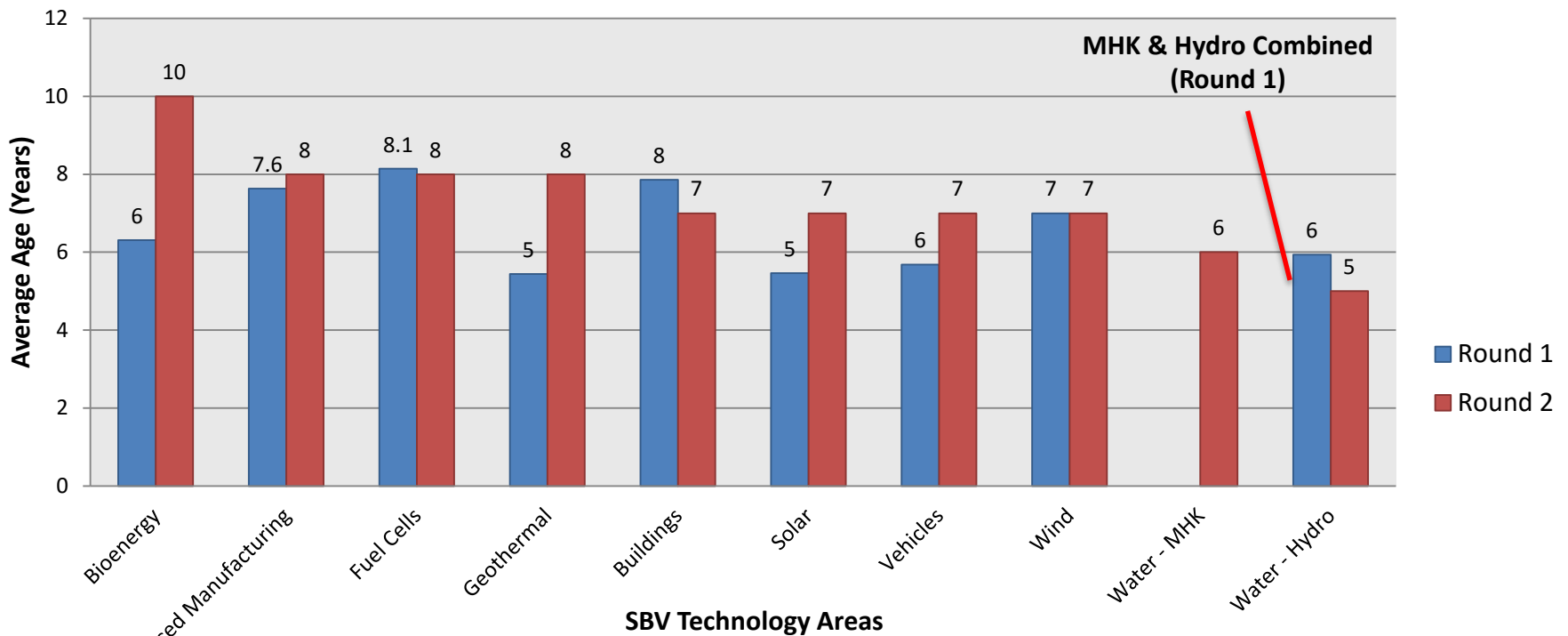
Round 2

- 43 small business selected
- 55% of applicants new to the labs
- \$8 million in vouchers





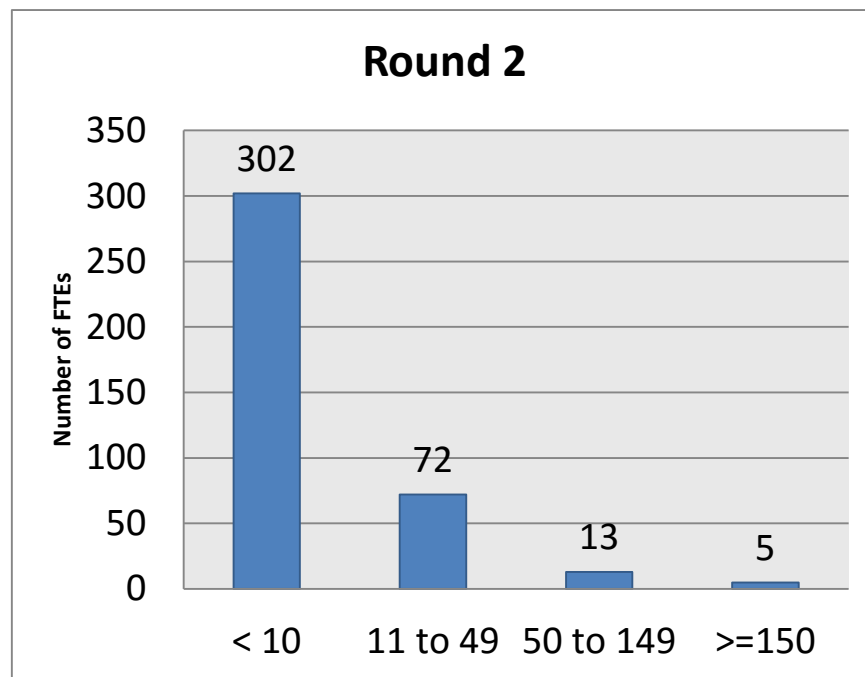
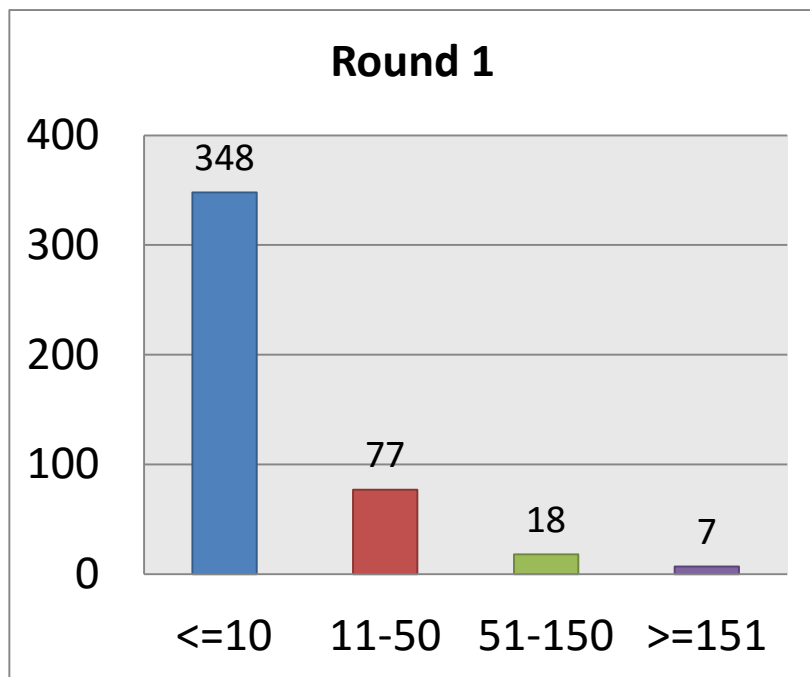
Average Age of Businesses



*oldest = 87 years (Adv Man)



Small Business FTE Count





TRL levels: All Requests – Round 1 vs. Round 2

Type of Activity	Scale Value	Round 1	Round 2
System Test, Launch & Operations	9	30% of requestors – achieved commercial sales	30% of awardees – achieved commercial sales
System/Subsystem Development	8		
Technology Demonstrations	7	52% of requestors – pilot technology demonstration	53% of awardees – pilot technology demonstration
Technology Development	6		
Research to Prove Feasibility	5	77% of requestors – prototype created/tested	71% of awardees – prototype created/tested
Basic Technology Research	4		
	3	80% of requestors – demonstrated feasibility of the technology in a lab	81% of awardees – demonstrated feasibility of the technology in a lab
	2		
	1		



General Observations from Round 2

- The selection process was very competitive.
- Clear alignment with Technology Areas is critically important.
- In general, team qualifications and experience scored well. If in-kind contributions are planned as cost share, the team must have the expertise and resources to perform the planned work.
- In general, scores for problem definition and impact were somewhat lower than the team and resources scores.



Round 3 Schedule and Logistics



Round 3 Schedule

- October 10, 2016 - Round 3 Request for Assistance (RFA) Opens
- November 10, 2016 - Round 3 RFA submission closes, 11:59 PM Eastern Standard Time
- Mid-Late January, 2017 - Notification of semi-finalist selections
- Late January-Early February 2017 - Semi-finalists work with lab staff on statement of work
- Mid-Late February, 2017 - Finalists notified for final award negotiation
- March 2017- SBV work can begin



Selection Stages

- Applicant: Submitted Request for Assistance before deadline
- Semi-Finalist: Selected to work with a National Laboratory to develop a Statement of Work (Top ~10-15%)
- Finalist: Selected for CRADA or TAPA Negotiation (~30-35 Vouchers; DOE Program Offices may request modifications to Statements of Work)
- Awardee: Entered CRADA or TAPA



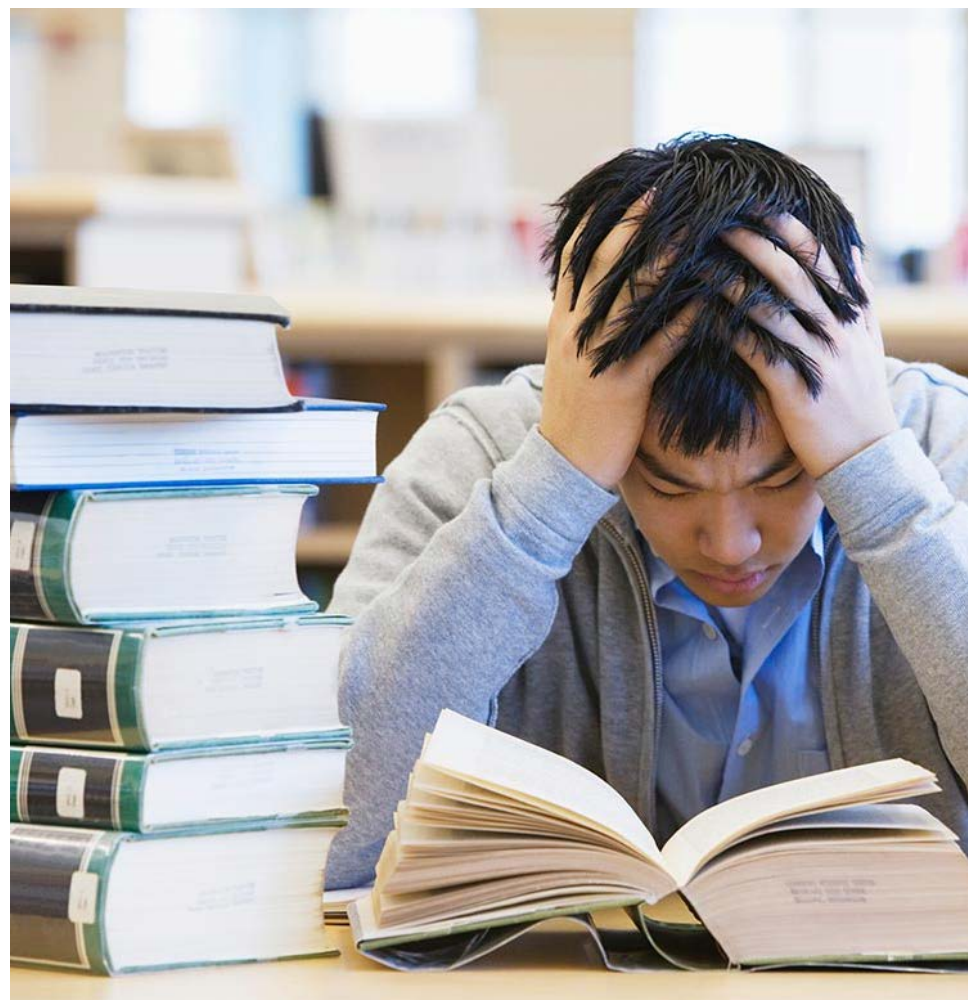
Careful Study of the Notice of Opportunity is Strongly Encouraged

Notice of Opportunity has critical info

- Specific technology areas and funding levels
- Merit review criteria and weighting
- Terms and conditions (standard agreements)
- Reporting requirements
- Cost share
- Request for assistance template

Find the Notice of Opportunity here:

<https://www.sbv.org/community-library/accounts/92/925112/Notice-of-Opportunity-SBV-Request-for-Assistance-RFA.pdf>





Eligibility

Small Businesses must be a **for-profit business** with fewer than 500 employees worldwide, be **U.S.-based and U.S.-owned, AND...**



- **Unique Lab Capabilities:** Request assistance that is not reasonably available in the private sector. Projects are intended to make available the specialized expertise and equipment at the national labs, not compete with the private sector.



- **Cost Share:** Commit to a 20% cost share which can be in-kind. Examples: labor, travel, materials, equipment, or data. Federally funded awards, such as SBIR/STTR, may not be used for small business cost share. More information on cost share is included in the Notice of Opportunity: Request for Assistance, section G.



- **Agreements:** Sign one of two short, non-negotiable agreements that govern intellectual property and other terms. The agreements are 1) SBV Technology Assistance Pilot Agreement (TAPA) or 2) Short Cooperative Research and Development Agreement (Short CRADA)



- **Reporting:** Commit to providing results during the project and for up to ~5 years after the project start date.



- **Release of Information:** Agree to allow non-proprietary information about your business and the success of the assistance to be featured in publicly available stories by DOE and the labs.

Standardized Agreements

Two Standard Non-Negotiable Agreements:

- (1) SBV Cooperative Research & Development Agreement (CRADA)
- (2) SBV Technology Assistance Pilot Agreement (TAPA)

Intellectual Property Language in both agreements is the same: The small business is granted **a paid-up, royalty-free, nonexclusive license**, without the right to sublicense, in a limited Field of Use.

Why standardized agreements? Both labs and small businesses have expressed desire to **streamline the SBV agreement process** by establishing **pre-negotiated** terms and conditions, especially on IP.

Why two agreements? To allow for as much flexibility in small business engagement as possible, the SBV Pilot will offer a choice between the TAPA (non-IP generating work) and the CRADA (IP generating work).



The image shows two overlapping forms. The top form is titled 'SMALL BUSINESS COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA)' and the bottom form is titled 'SMALL BUSINESS ASSISTANCE VOUCHER (SBV) TECHNOLOGY ASSISTANCE PILOT AGREEMENT (TAPA)'. Both forms have sections for 'TITLE', 'INSTITUTION', 'ADDRESS', 'CITY', 'STATE', 'ZIP', 'PHONE', and 'FAX'. They also contain detailed text regarding intellectual property rights, field of use, and the terms of the agreement.



Reporting Requirements & Cost Share

Requests selected for Vouchers must agree to provide the following:

Report Data for 5 Years:

A third-party evaluator will request information from small business voucher recipients annually through 2020 (5 years).

Data will be gathered through a web survey expected to take 30 mins of your time each year.

20% Cost Share (cash or in-kind)

Allowable in-kind contributions include, but are not limited to:

- personnel costs,
- indirect costs,
- facilities and administrative costs, the value of a service, other resource, or third party in-kind contribution.
- time incurred to provide evaluation data for 5 years can be included.

Additional Details on Reporting and Cost Share are in the Notice of Opportunity



Page Limits and Formatting

Requests may be deemed non-compliant if the following format is not followed:

Page Limits:

- Maximum of 4 pages of text following the outline in the Notice of Opportunity
- Maximum of 3 pages of supporting documentation consisting of resumes for company personnel and/or support letters

Additional Requirements:

- Use 11 Times New Roman font and 1" margins
- Tables and graphics may have smaller font, as long as the information is legible

A template is provided for your convenience at sbv.org



Request for Assistance



RFA Components

- RFA Word Document (4 pages plus 3 supporting pages)
- Excel File with demographic data for SBV database
- Summary slide
- Data entered into DOE Exchange system



1. RFA Word Document

- Body of RFA limited to 4 pages
- 3 additional supplementary pages may be submitted
 - Resumes
 - Letters of Support
- Use 11 point Times New Roman Font and 1" margins
- More detailed instructions are provided in the RFA Template found on sbv.org and EERE Exchange

SBV Request for Assistance (RFA) Template ¶

NOTE:-This template is provided as a convenient method of documenting the information required to process this Request for Assistance. The use of this template is not required, but the data elements within the template are required. ¶

Request for Assistance (RFA) Instructions: Do not include any trade secrets, confidential or proprietary information in the Request for Assistance or in supporting documentation (including resumes). The U.S. Government is not liable for the disclosure or use of any information contained in the Request for Assistance or in supporting documentation (including resumes). ¶

Requests for Assistance (RFA) are limited to four pages of text. Graphs, tables, and images must be included in the 4-page RFA. In addition, requesters may include up to three (3) pages of supporting documentation consisting of resumes for company personnel and/or support letters. Please use 11-point Times New Roman font and 1" margins. Tables and graphics may have smaller font, as long as the information is legible. Please save all pages as one PDF file and save it as "Your Company Name_SBVpilot" (i.e., CompanyXYZ_SBVpilot.PDF). Once all files have been saved, please upload the file on the submission page of the EERE Exchange Website: ¶

[DOE EERE Exchange On-line Application Portal ¶](#)

1. → **Company Overview:** Describe the mission and vision for your company as it relates to this request for assistance. ¶
 - a. → What differentiates your company from others in this market? ¶
 - b. → Discuss the history, successes, and current status of the requester's product development. ¶
 - c. → Include relevant, previous work efforts, demonstrated innovations that relate to the request for assistance. ¶¶
2. → **Problem Definition:** Describe the challenge your company is facing and how this assistance, if granted, will help you overcome that challenge. ¶
 - a. → Include a high-level discussion introducing the technical challenge the business is facing. ¶
 - b. → Describe any efforts your company has made to address this technical challenge. ¶
 - c. → Describe what you envision as a successful solution to this technical challenge. For example, what data, experimental result, or technical service is needed? ¶¶
3. → **Project Impact:** Describe how this project, if successful, will contribute to one of more of the DOE EERE mission areas. ¶
 - a. → Include a quantifiable baseline. Quantitatively describe the current "baseline" status of the company's technology, product, or service to be addressed by this project. ¶
 - b. → Quantitatively describe the targeted improvement in this baseline. ¶



RFA Word Document Outline

- **Company Overview:** Describe the mission and vision for your company as it relates to this request for assistance
- **Problem Definition:** Describe the challenge your company is facing and how this assistance, if granted, will help you overcome that challenge
- **Project Impact:** Describe how this project, if successful, will contribute to one of more of the DOE EERE mission areas



RFA Document Outline (cont.)

- **Use of Project Results:** Describe how the results of the proposed assistance will be used to advance the development of your company's products or services and the impact the requested assistance will have on your business and the market
- **Team:** List the key members of your company's leadership and technical team. Briefly describe their qualifications and experience.
- **Cost Share:** Describe how your company will provide a minimum of 20% cost share. If providing in-kind cost share, indicate how you plan to contribute to the project.



2. Additional Questions Form

Small Business Vouchers Round 3 RFA - Additional Questions	Record responses in this column
1 SBV Request Title:	
2 Author First Name:	
3 Author Last Name:	
4 Author Email:	
5 Number of Full Time Equivalent (FTE) Employees:	
6 Have you attracted private investment?	
7 If so, choose the primary type of investment you have attracted:	
8 Have you achieved sales?	
9 If so, what is your current revenue from the product associated with this SBV?	
## Has your company worked with a National Laboratory or Federal Government in the past?	
## If so, please indicate the Laboratory:	
## If so, please indicate the type of engagement:	
## How would you rate your knowledge of DOE National Laboratory capabilities and facilities? (1 – 10, 1 is low, 10 is high)	
## Preferred SBV Lab (Indicate one primary Lab, optional):	
..... If known, please indicate the name of your preferred Lab researcher (this will not	

EXCEL Spreadsheet with demographic information that will be added to the SBV database



3. Summary Slide

www.sbv.org

Name of Small Business
LOCATION

Company Summary

Insert a short summary about your company

Requested National Lab

List if more than one

Problem Statement

Insert short summary of the aim of the problem your company is trying to overcome through this project, proposed tool(s) and/or desired insight, approach, and/or strategy for implementing and/or commercializing your technology.

Background Information

Prior Lab Relationships: N# of Employees:

Insert a picture or chart summarizing technology development.

Potential Work Scope & Deliverables

Task 1	<ul style="list-style-type: none"> Please customize this table as appropriate Two
Task 2	<ul style="list-style-type: none"> One Two

Technology / Project Impact

Insert a description (text and/or graphic) of current market conditions and describe how this project will result in a significant advancement in your area of focus.

Condensed from RFA

From EXCEL Questions

Best Estimate

Condensed from RFA

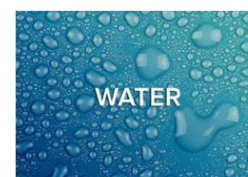


Scoring



Alignment with Technology Area is Very Important

- SBV funding is provided by specific DOE Program Offices.
- Congress has defined the specific technology areas for which Program Office funds may be used.
- Successful Round 1 RFAs were well aligned with one or more of the technology areas described in Table 1 of the [Notice of Opportunity](#).
- The EERE Strategic Plan (energy.gov/eere/downloads/eere-strategic-plan) is a useful reference.





Merit Review Criteria

- Potential for Impact (33%)
- Problem Definition (33%)
- Team and Resources (33%)
- Program Policy Factors





Potential for Impact (33%)

- **Mission** – Extent to which solving the stated problem will enable the achievement of the goals as described in “Technology Areas” section of the Notice of Opportunity
- **Innovation** - Extent to which solving the stated problem represents a significant market improvement
- **Market Impact** –
 - Extent to which the solving the stated problem will lead to a commercially successful product and company
 - Adequacy, specificity, and reasonableness of the stated commercial impacts of solving the stated problem
 - Extent to which solving the stated problem will result in a high value product or solution that transforms the industry



Problem Definition (33%)

- **Problem Identification**— Extent to which applicant discusses and demonstrates understanding of the key technical and commercial challenges involved in the proposed work.
- **Quality and Reasonableness** – Extent to which the requester states a valid technical issue which can reasonably be solved within the budget and scope of this program



Team and Resources (33%)

- **Capabilities** - The extent to which the capability of the proposed requester's team, can address the relevant aspects of the proposed project with a good chance of success, including, but not limited to, qualifications, relevant expertise, and time commitment of the individuals on the team.
- **Resources** - Ability of the requester to support the proposed work.



RFA Submission Process



Submit RFA at sbv.org

ROUND 3 - NOW OPEN UNTIL NOVEMBER 10, 2016 AT 11:59 P.M. EASTERN STANDARD TIME



Small Business Vouchers Pilot
U.S. DEPARTMENT OF ENERGY

 Search

Subscribe for SBV Updates

 Sign Up

- ABOUT
- TECHNOLOGIES
- ELIGIBILITY
- PROCESS & TIMELINE
- PROJECTS
- FAQS
- CONTACTS

Submit Request



Powering the Clean Energy Economy

The U.S. Department of Energy (DOE) awarded nearly \$15M in Small Business Vouchers (SBVs) in [Round 1](#) and [Round 2](#).

SBV Technologies

- Advanced Manufacturing
- Bioenergy
- Buildings
- Fuel Cells
- Geothermal
- Solar
- Vehicles
- Water Power
- Wind

Round 1 & 2 Results

Approximately \$15 million awarded on behalf of 76 businesses in Round 1 and 2. Learn more about awardees.


76
businesses


\$15
million

Click here
on sbv.org

 Search

Submit Request



Process & Timeline

Process & Timeline

How the Small Business Vouchers (SBV) Pilot process works:

SBV will accept requests from qualified small businesses. Here's information on when and how to apply.

Submitting a Request

NOTE: The U.S. Department of Energy (DOE) has changed the application process for Round 3. For this round, applications must be submitted through DOE's on-line Application System, EERE Exchange. Please follow the steps below to complete your application.

To request assistance from the Department of Energy (DOE), register through the Office of Energy Efficiency and Renewable Energy's Funding Opportunity Exchange (EERE Exchange). Please follow these steps when preparing your RFA.

- Step 1: Confirm your [eligibility at SBV Eligibility Check](#).
- Step 2: Go to EERE Exchange at [EERE Exchange On-line Application Portal](#).
- Step 3: Create an account by clicking on the "Register" link on the left navigation bar of the EERE Exchange homepage (or login to your existing account).
- Step 4: Click on the "Funding Opportunity" Link on the left navigation bar.
- Step 5: Enter DE-SBV-0000999 in the FOA Number Field and hit "enter".
- Step 6: Click on the orange DE-SBV-0000999 shown in the FOA Number Column.
Exchange will take you to the EERE Small Business Vouchers Round 3 Notice
- Step 7: Click on the "Apply" button in the upper right corner of the Notice Description Page.

Important Dates

Round 1: CLOSED

Round 2: CLOSED

Round 3: Now open until November 10, 2016 at 11:59 p.m. Eastern Standard Time

Important Information

- [Download the Notice of Opportunity: Request for Assistance \(RFA\) \(PDF | MS Word\)](#)
- [Download the Request for Assistance \(RFA\) Template \(PDF | MS Word\)](#)

Webinars

- [SBV Pilot: Round 2 Overview Webinar and Slide Presentation](#)
- [SBV Pilot: Round 2 Overview for the Manufacturing Extension Program \(MEP\) Webinar and Slide Presentation](#)
- [SBV Pilot: Round 1 Feedback Webinar](#)

News

- [8/18/16: DOE Awards 43 New Business Laboratory Collaborations Under SBV](#)
- [3/27/16: Kennewick Company](#)

Click on the link in step 1 to review eligibility requirements

Click on the link in step 2 to access EERE exchange online portal and create account

Notice of Opportunity and RFA Template can be found here

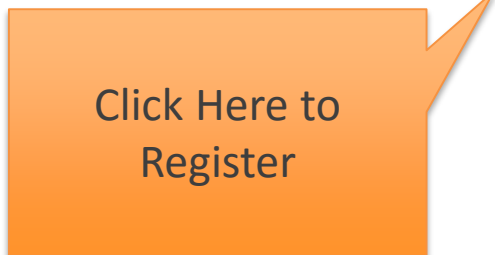
Register for an EERE Exchange Account

U.S. DEPARTMENT OF **ENERGY** | Energy Efficiency & Renewable Energy

EERE Funding Opportunity Exchange

[EERE](#) » [Financial Opportunities](#) » Funding Opportunity Exchange

- Funding Opportunity
- Funding Archive
- Login
- Register
- Manuals
- Questions & Answers



Frequently Asked Questions

Do you have questions specific to your FOA? Applicants are encouraged to review the [Question & Answer](#) tab of your FOA to see if your que

EERE FUNDING OPPORTUNITY ANNOUNCEMENTS

Jump to a FOA:

FOA Number	FOA Title	Announcement Type
DE-FOA-0001001	EERE Commercialization	Request for Information (RFI)
DE-FOA-0001070	RFI - Net Benefits and Costs of Distributed Solar Energy and Innovative Solar Deployment Models	Request for Information (RFI)
DE-FOA-0001122	RFI - Clean Energy Manufacturing Topics Suitable for Establishment of a Manufacturing Institute	Request for Information (RFI)
DE-FOA-0001126	SUNSHOT CATALYST PRIZE	Other
DE-FOA-0001133	RFI - Research and Development Needs and Technical Barriers for Fuel Cells	Request for Information (RFI)
DE-FOA-0001158	RFI - Specific Clean Energy Manufacturing Focus Areas Suitable for a Manufacturing Innovation Institute	Request for Information (RFI)
DE-FOA-0001165	RFI - Advanced Manufacturing Office (AMO) Software Tools	Request for Information (RFI)
DE-FOA-0001203	Assisting Federal Facilities with Energy Conservation Technologies, Fiscal Year 2015	Request for Information (RFI)
DE-FOA-0001221	Notice of Intent to issue FOA Next generation of Electrical Machines (DE-FOA-0001208)	Notice of Intent to Publish FOA (NOI)
DE-FOA-0001232	Funding Opportunity Announcement (FOA) Number DE-FOA-0001232: Project Development for Pilot and Demonstration Scale Manufacturing of Biofuels, Bioproducts and Biopower (PD2B3)	Funding Opportunity Announcement (FOA)
DE-FOA-0001253	Notice of Intent to Issue FOA: State Energy Program 2015 Competitive Awards	Notice of Intent to Publish FOA (NOI)
DE-FOA-0001263	Manufacturing Innovation Institute for Smart Manufacturing: Advanced Sensors, Controls,	Funding Opportunity Announcement (FOA)



Register as an Applicant

U.S. DEPARTMENT OF **ENERGY** | Energy Efficiency & Renewable Energy

EERE Funding Opportunity Exchange

[EERE](#) » [Financial Opportunities](#) » Funding Opportunity Exchange

- Funding Opportunity
- Funding Archive
- Login
- Register
- Manuals
- Questions & Answers

REGISTRATION

I want to register as:

- Applicant** I want to apply to current or future Funding Opportunity Announcements.
- Reviewer** I am a subject matter expert and would like to be considered to review incoming funding applications.
- DOE Employee** I am a federal DOE employee or contractor and will be a user of the system as a part of my job.

Register as Applicant



Complete the Registration Form

Notes:

- * Fields Required
- 15 character password

REGISTRATION

General Information

Salutation:	<input type="text"/>	DUNS Number:	<input type="text"/>
First Name: *	<input type="text"/>	Title:	<input type="text"/>
Last Name: *	<input type="text"/>	Organization:	<input type="text"/>

BUSINESS CONTACT INFORMATION

Country:	<input type="text" value="United States"/>
Address: *	<input type="text"/>
City: *	<input type="text"/>
State: *	<input type="text"/>
ZIP: *	<input type="text"/>
Phone: *	<input type="text"/>
Fax:	<input type="text"/>

Account Information

Business	<input type="text"/>	<i>If you forget your password you will be asked one of the security questions you choose here and prompted to enter the answer you specify below. Answers are NOT case sensitive.</i>
Email/Username: *	<input type="text"/>	<i>Your Email address will be your login name.</i>
Business	<input type="text"/>	Security Question 1: *
Email/Username	<input type="text"/>	Security Answer 1: *
Confirmation: *	<input type="text"/>	Security Question 2: *
<i>Passwords must be at least 15 non-blank characters, not contain three repeating values, not include the username, and contain 3 of the 4 of the following: a lower case letter, a capital letter, one number, contain one of the following symbols: !, @, #, \$, %, ^, &, *, (,), _ +</i>	<input type="text"/>	Security Answer 2: *
Password: *	<input type="text"/>	Security Question 3: *
Confirm	<input type="text"/>	Security Answer 3: *
Password: *	<input type="text"/>	

* - required fields

Click here to complete registration

Register



You will Receive a Long and Chatty Confirmation Email

Welcome to DOE eXCHANGE

From: EERE-ExchangeSupport@hq.doe.gov

To: paulusmj@tds.net

Dear Michael Paulus

Welcome to the DOE eXCHANGE site at [http://eere-exchange.energy.gov/!](http://eere-exchange.energy.gov/)

Thank you,
DOE eXCHANGE Customer Support



You can Log in Immediately

EERE Funding Opportunity Exchange

[EERE](#) » [Financial Opportunities](#) » [Funding Opportunity Exchange](#)

[Funding Opportunity](#)

[Funding Archive](#)

[Login](#)

[Register](#)

[Manuals](#)

[Questions & Answers](#)

REGISTRATION

Your account was successfully created.

Your email is your username for this site.

You can [log in](#) to the site now.



Log In



This is a Federal Web Site

In order to access this Department of Energy (DOE) system, you must read and acknowledge the following Rules of Behavior for the site. You can review previously acknowledged Rules of Behavior on your My Account page.

Rules of Behavior

Use of this system by any user, authorized, or unauthorized, constitutes consent to the auditing, interception, recording, reading, copying, capturing, and disclosure of system activity. There is no right to privacy in using this system.

NOTE: The Rules of Behavior are applicable to all individuals with access to this system and must be read and accepted before they will be granted access privileges to the system.

General Guidelines

The following actions are prohibited:

- Attempting to view, change or delete data unless you are authorized to do so.
- Using your system privileges to obtain information for anyone who is not authorized to access such information.
- Allowing another user to login using your username and password.
- Attempting to perform actions or processes for which you do not have authorization.
- Disabling any security features or alter application settings/configurations unless explicitly authorized to do so.
- Failing to observe software licensing agreements. If you have any questions about copyright or licensing, contact the system [Help Desk](#) BEFORE using the material in question.

I acknowledge receipt of, understand my responsibilities, and will comply with these rules of behavior for this Department of Energy (DOE) system.

Acknowledge

Cancel



Go to Funding Opportunities

Click Here for
Funding
Opportunities

U.S. DEPARTMENT OF **ENERGY** | Energy Efficiency & Renewable Energy

EERE Funding Opportunity Exchange

[EERE](#) » [Financial Opportunities](#) » Funding Opportunity Exchange

- [Funding Opportunity](#)
- [Funding Archive](#)
- [My Submissions](#)
- [My Account](#)
- [Logout](#)
- [Manuals](#)
- [Questions & Answers](#)

Frequently Asked Questions

Do you have questions specific to your FOA? Applicants are encouraged to...

EERE FUNDING OPPORTUNITY ANNOUNCEMENTS

Jump to a FOA:

FOA Number	FOA Title
DE-FOA-0001001	EERE Commercialization
DE-FOA-0001070	RFI - Net Benefits and Costs of Distributed Solar E Deployment Models
DE-FOA-0001122	RFI - Clean Energy Manufacturing Topics Suitable Manufacturing Institute
DE-FOA-0001126	SUNSHOT CATALYST PRIZE
DE-FOA-0001133	RFI - Research and Development Needs and Tech
DE-FOA-0001158	RFI - Specific Clean Energy Manufacturing Focus / Manufacturing Technology



Find SBV FOA

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

EERE Home | Programs & Offices | Consumer Information

EERE Funding Opportunity Exchange

Option 1: Search on "SBV"

Funding Opportunities

EERE » [Financial Opportunities](#) » Funding Opportunity Exchange

[Printable Version](#)

- Funding Opportunity
- Funding Archive
- Login
- Register
- Manuals
- Questions & Answers

Frequently Asked Questions Full-screen Snip

Do you have questions specific to your FOA? Applicants are encouraged to review the [Question & Answer](#) tab of your FOA to see if your question has already been asked.

EERE FUNDING OPPORTUNITY ANNOUNCEMENTS

Jump to a FOA:

	FOA Number	FOA Title	Announcement Type	Program	LOI Deadline	CP Deadline	FA Deadline
<input type="button" value="Clear"/>	DE-						
	DE-FOA-0001001	EERE Commercialization	Request for Information (RFI)	Strategic Programs			TBD
	DE-FOA-0001070	RFI - Net Benefits and Costs of Distributed Solar Energy and Innovative Solar Deployment Models	Request for Information (RFI)	Solar			TBD
	DE-FOA-0001122	RFI - Clean Energy Manufacturing Topics Suitable for Establishment of a Manufacturing Institute	Request for Information (RFI)	Advanced Manufacturing (Industrial)			TBD
	DE-FOA-0001126	SUNSHOT CATALYST PRIZE	Other	Solar			TBD

Option 2: Type "DE-SBV-0000999" here



Go to the SBV FOA

EERE Funding Opportunity Exchange

Funding Opportunities

Se

EERE » Financial Opportunities » Funding Opportunity Exchange

Printable Version

Funding Opportunity

Funding Archive

Login

Register

Manuals

Questions & Answers

Frequently Asked Questions

Do you have questions specific to your FOA? Applicants are encouraged to review the [Question & Answer](#) tab of your FOA to see if your question has already been asked.

EERE FUNDING OPPORTUNITY ANNOUNCEMENTS

Jump to a FOA:

	FOA Number	FOA Title	Announcement Type	Program	LOI Deadline	CP Deadline	FA Deadline
Clear	DE-SBV-0000						
	DE-SBV-0000999	EERE Small Business Vouchers Round 3	Notice of Technical Assistance (NOTA)	Strategic Programs			11/11/2016 05:00 PM ET

Click to access FOA

DE-FOA-0001001: EERE COMMERCIALIZATION

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders to assist in further defining the scope and priorities of EERE's commercialization and entrepreneurship activities. Specifically, this RFI is



Note Links to Important Documents

DE-SBV-0000999: EERE SMALL BUSINESS VOUCHERS ROUND 3

PLEASE NOTE:

Apply

11 October 2016:

NEW AMENDED NOTICE AND RECOMMENDED FORMS ARE NOW POSTED. APPLICANTS ARE ADVISED TO REVIEW AMENDED NOTICE AND NEW FORMS BEFORE SUBMITTING APPLICATIONS.

DOE's Office of Energy Efficiency and Renewable Energy (EERE) is putting the world-class resources of the national labs at your fingertips with the Small Business Vouchers (SBV) Pilot. During fiscal year 2016, EERE applied almost \$14MM to new projects with 76 small businesses.

Now, EERE is announcing its first call for Small Business Vouchers in fiscal year 2017. EERE has pledged \$12MM in new funding for this round, and one additional round during the fiscal year.

The U.S. Department of Energy's (DOE) enterprise of National Laboratories is an innovation powerhouse full of unique and advanced instruments as well as world class scientists, engineers and other professionals. The Small Business Vouchers (SBV) Pilot is a mechanism structured to allow small businesses engaged in the renewable energy and the energy efficiency sectors greater access to the vast capabilities and resources that exist at the DOE National Laboratories.

Through the SBV Pilot, eligible small businesses can tap into the reserve of National Laboratory intellectual and technical assets to overcome critical technology and commercialization challenges such as:

- Prototyping
- Materials characterization
- High performance computations
- Modeling and simulations
- Intermediate scaling to generate samples for potential customers
- Validation of technology performance
- Designing new ways to satisfy regulatory compliance

DOCUMENTS

- [DE-SBV-0000999 Small Business Voucher Notice of Opportunity-AMENDED 10-19-16](#)
- [Small Business Voucher Request for Assistance Application Form](#)
- [Small Business Voucher Notice Of Opportunity Additional Questions](#)
- [Summary Slide](#)
- [Non-Negotiable TAPA Agreement](#)
- [Non-Negotiable CRADA Agreement](#)

REQUIRED APPLICATION DOCUMENTS

Pursuant to the FOA, Applicants are required to submit the "Required Application Documents" with their Application. Incomplete applications will not be reviewed or considered.

[View Required Application Documents](#)

CONTACT INFORMATION

- info@sbv.org

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 11/11/2016 5:00 PM ET

Important
Reference
Documents



Download Required Application Documents

DE-SBV-0000999: EERE SMALL BUSINESS VOUCHERS ROUND 3

PLEASE NOTE:

Apply

11 October 2016:

NEW AMENDED NOTICE AND RECOMMENDED FORMS ARE NOW POSTED. APPLICANTS ARE ADVISED TO REVIEW AMENDED NOTICE AND NEW FORMS BEFORE SUBMITTING APPLICATIONS.

DOE's Office of Energy Efficiency and Renewable Energy (EERE) is putting the world-class resources of the national labs at your fingertips with the Small Business Vouchers (SBV) Pilot. During fiscal year 2016, EERE applied almost \$14MM to new projects with 76 small businesses.

Now, EERE is announcing its first call for Small Business Vouchers in fiscal year 2017. EERE has pledged \$12MM in new funding for this round, and one additional round during the fiscal year.

The U.S. Department of Energy's (DOE) enterprise of National Laboratories is an innovation powerhouse full of unique and advanced instruments as well as world class scientists, engineers and other professionals. The Small Business Vouchers (SBV) Pilot is a mechanism structured to allow small businesses engaged in the renewable energy and the energy efficiency sectors greater access to the vast capabilities and resources that exist at the DOE National Laboratories.

Through the SBV Pilot, eligible small businesses can tap into the reserve of National Laboratory intellectual and technical assets to overcome critical technology and commercialization challenges such as:

- Prototyping
- Materials characterization
- High performance computations
- Modeling and simulations
- Intermediate scaling to generate samples for potential customers
- Validation of technology performance
- Designing new ways to satisfy regulatory compliance

DOCUMENTS

- [DE-SBV-0000999 Small Business Voucher Notice of Opportunity-AMENDED 10-19-16](#)
- [Small Business Voucher Request for Assistance Application Form](#)
- [Small Business Voucher Notice Of Opportunity Additional Questions](#)
- [Summary Slide](#)
- [Non-Negotiable TAPA Agreement](#)
- [Non-Negotiable CRADA Agreement](#)

REQUIRED APPLICATION DOCUMENTS

Pursuant to the FOA, Applicants are required to submit the "Required Application Documents" with their Application. Incomplete applications will not be reviewed or considered.

[View Required Application Documents](#)

CONTACT INFORMATION

- info@sbv.org

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 11/11/2016 5:00 PM ET

Click Here
to See
Required
Application
Documents



All Three Documents Must be Submitted

Three
Required
Documents

- [Non-Negotiable CRADA Agreement](#)

REQUIRED APPLICATION DOCUMENTS

Pursuant to the FOA, Applicants are required to submit the "Required Application Documents" w

Full Application

- [Small Business Voucher Request for Assistance Application Form](#)
- [Small Business Voucher Notice Additional Questions Form](#)
- [Summary Slide](#)

[Hide Required Application Documents](#)

CONTACT INFORMATION

- info@sbv.org



When Documents are Complete, Click on “Apply”

DE-SBV-0000999: EERE SMALL BUSINESS VOUCHERS ROUND 3

PLEASE NOTE:

11 October 2016:

NEW AMENDED NOTICE AND RECOMMENDED FORMS ARE NOW POSTED. APPLICANTS ARE ADVISED TO REVIEW AMENDED NOTICE AND NEW FORMS BEFORE SUBMITTING APPLICATIONS.

DOE's Office of Energy Efficiency and Renewable Energy (EERE) is putting the world-class resources of the national labs at your fingertips with the Small Business Vouchers (SBV) Pilot. During fiscal year 2016, EERE applied almost \$14MM to new projects with 76 small businesses.

Now, EERE is announcing its first call for Small Business Vouchers in fiscal year 2017. EERE has pledged \$12MM in new funding for this round, and one additional round during the fiscal year.

The U.S. Department of Energy's (DOE) enterprise of National Laboratories is an innovation powerhouse full of unique and advanced instruments as well as world class scientists, engineers and other professionals. The Small Business Vouchers (SBV) Pilot is a mechanism structured to allow small businesses engaged in the renewable energy and the energy efficiency sectors greater access to the vast capabilities and resources that exist at the DOE National Laboratories.

Through the SBV Pilot, eligible small businesses can tap into the reserve of National Laboratory intellectual and technical assets to overcome critical technology and commercialization challenges such as:

- Prototyping
- Materials characterization
- High performance computations
- Modeling and simulations
- Intermediate scaling to generate samples for potential customers



Apply





Basic Information

FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSIN

General

Submission Status: New

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *
Advanced Manufacturing
Bioenergy
Buildings
Fuel Cells
Geothermal
Solar
Please do not use acronyms

Lead Organization: *

Lead Organization Percent Effort (1-100): * 0 %

Primary Area of Expertise: * None currently selected [Select Primary Area of Expertise](#)

Additional Technical Area: None currently selected [Select Additional Technical Area](#)

Project Title

Abstract (4000 char. Max)

Resubmission? (No impact on evaluation)

EERE Technology Area (Pull Down)



RFA Questionnaire

FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUS

General

Submission Status: New

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: *

Lead Organization Percent Effort (1-100): *

Primary Area of Expertise: * Select Primary Area of Expertise

Additional Technical Area: Select Additional Technical Area

Academic
Business < 500 Employees
Business > 1000 Employees
Business 500-1000 Employees
Federally Funded Research and Development Center (FFRDC)
Government Owned and Operated (GOGO)
Indian/Native American Tribal Government

Organization Type Should be Business < 500 Employees



RFA Questionnaire

FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSI

General

Submission Status: New

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: * *Please do not use acronyms*

Lead Organization Percent Effort (1-100): * 0 %

Primary Area of Expertise: * None currently selected [Select Primary Area of Expertise](#)

Additional Technical Area: * None currently selected [Select Additional Technical Area](#)

Team Members

Company Name

- Because National Lab is not yet assigned, enter 100%.
- In practice, small business must provide a minimum of 20% cost share.



RFA Questionnaire

FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSI

General

Submission Status: New

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: * Please do not use acronyms

Lead Organization Percent Effort (1-100): * %

Primary Area of Expertise: * None currently selected

Additional Technical Area: * None currently selected

Team Members

Select the area of expertise from list that best describes the technical area of your application.

Select Primary Area of Expertise

Select Additional Technical Area

Optional second topical area



RFA Questionnaire

Team Members

Please list each organization that you will be teamed with to perform the proposed research and development project. The contact information for the lead technical point of contact at each organization is required. The Total Percent Effort of the Project is comprised of the percentage of the project performed by the lead organization and all team member percentages.

Other Organization(s)

Organization Type	Organization	Percent Of Project	First Name	Last Name	Business Email		
No other organization Listed							

Add Team Member

Leave blank.
Matchmaking occurs
after RFA reviews.

Key Participants

To facilitate the identification of actual and potential conflicts of interest, you are required to identify every individual who contributes in a substantive, measurable way to the execution of the proposed project.

At least one point of contact must be added from the applicant organization.

Organization Name	Title	Salutation	First Name	Last Name		
No data to display						

Add Key Participant

Click to add Key
Participants from your
company only.



Add Key Participant (Technical Point of Contact)

Technical Point of Contact:

Details

Salutation:

First Name: *

Last Name: *

Title:

Business Contact Information

Email: *

Country: *

Address: *

City: *

State: *

ZIP: *

Phone: *

Fax:

Your Company's point of contact for all RFA-related communications. All communications will be via email.



Create Application

Country: *

Address: *

City: *

State: *

ZIP: *

Phone: *

Fax:

- Checks for errors
- Saves data
- Creates application "Control Number"



RFA Control Number Assigned


FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

Your information has been saved. Please continue with the additional tabs to complete your submission.

YOUR CONTROL NUMBER IS: 0999-1521

[Return to My Submissions](#)

[Continue with Full Application Submission](#)



Click here to complete application



RFA Detail Screen

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

General | Contact Information | Team Members | Location(s) of Work | Funds and Costs | TRL | Upload and Submit

Submission Status: Not Submitted

Control Number: 0999-1521

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: * *Please do not use acronyms*

Lead Organization Percent Effort (1-100): * %

Primary Area of Expertise: * Receiver Design

Additional Technical Area: None currently selected

- Verify technical contact information.
- Add business contact (required).



RFA Detail Screen

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

General | Contact Information | **Team Members** | Location(s) of Work | Funds and Costs | TRL | Upload and Submit

Submission Status: Not Submitted

Control Number: 0999-1521

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: * *Please do not use acronyms*

Lead Organization Percent Effort (1-100): * %

Primary Area of Expertise: *

Additional Technical Area:

Verify Team Members



RFA Detail Screen

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

General | Contact Information | Team Members | Location(s) of Work | Funds and Costs | TRL | Upload and Submit

Submission Status: Not Submitted

Control Number: 0999-1521

Project Title: *

Abstract: 4000 Max Characters

Has application been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: * *Please do not use acronyms*

Lead Organization Percent Effort (1-100): * %

Primary Area of Expertise: *

Additional Technical Area:

Location of Work

- Open Location(s) of Work Tab.
- Add your company's city, state and zip code.
- Indicate this location is the primary location.
- Enter 100%.



RFA Detail Screen

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

General | Contact Information | Team Members | Location(s) of Work | **Funds and Costs** | TRL | Upload and Submit

Submission Status: Not Submitted

Control Number: 0999-1521

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: * *Please do not use acronyms*

Lead Organization Percent Effort (1-100): * %

Primary Area of Expertise: *

Additional Technical Area:

Funds and Costs – provide estimate only. Details will be developed for semi-finalists only.



Funds and Cost

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

Contact Information | Team Members | Location(s) of Work | **Funds and Costs** | TRL | Upload and Submit

Requestors are required to obtain 20% cost-share of the total voucher amount if awarded. Requestors will be required to provide detail about how it will meet the 20% cost-share requirement upon selection for award.

Federal Share (DOE) (In Whole Dollars) *	Non-Federal Share (In Whole Dollars) *	Total Projected Costs ⓘ	Proposed Cost Share Percentage ⓘ	Minimum Cost Share
\$ 200000	\$ 50000	\$250000	20%	20%

I certify that I have reviewed the Funding Opportunity Announcement, and this application is eligible for a reduced cost share obligation.

Proposed Period of Performance (months): * 12

Previous Tab | Save and Continue

Estimate DOE cost and company cost share. Ensure proposed cost share is at least 20%.

Not applicable for SBV.

Estimate project period of performance. 12 months max.

Click to proceed.



RFA Detail Screen

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

General | Contact Information | Team Members | Location(s) of Work | Funds and Costs | **TRL** | Upload and Submit

Submission Status: Not Submitted

Control Number: 0999-1521

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: * *Please do not use acronyms*

Lead Organization Percent Effort (1-100): * %

Primary Area of Expertise: * Receiver Design

Additional Technical Area: None currently selected

Follow link to estimate the current TRL of your technology and the anticipated TRL at the end of the project. Definitions provided.



RFA Detail Screen

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

General | Contact Information | Team Members | Location(s) of Work | Funds and Costs | TRL | Upload and Submit

Submission Status: Not Submitted

Control Number: 0999-1521

Project Title: *

Abstract: * 4000 Max Characters

This application has been previously submitted to DOE: * Yes No

Topic: *

Organization Type: *

Lead Organization: * *Please do not use acronyms*

Lead Organization Percent Effort (1-100): * %

Primary Area of Expertise: * Receiver Design

Additional Technical Area: None currently selected

Link to upload files and submit RFA.

Upload and Submit

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

General | Contact Information | Team Members | Location(s) of Work | Funds and Costs | TRL | **Upload and Submit**

Please upload your submission in the format specified for each file below. Prior to the submission deadline, if you decide to make changes to your submission, you may remove your existing submission and replace it with an updated version. Note: Filenames must be 250 characters or less.

Title	Description	Allowed File Types	File Name
Request for Assistance (RFA) *	Request for Assistance Application	.doc, .docx, .ppt, .pptx	No file uploaded Add New File
Summary Slide *	Project Summary Slide	.doc, .docx, .ppt, .pptx	No file uploaded Add New File
Small Business Voucher Additional Questions Form *	Small Business Voucher Additional Questions Form	.xls, .xlsx	No file uploaded Add New File

Additional Files:
No Additional Files were uploaded for this Submission.

[Upload New Additional File](#)

I have reviewed and agree to the terms and conditions in the FOA:
SBV Terms and Conditions
 By clicking the Submit button, I certify that I am authorized to submit on behalf of Small Business.

[Submit](#)
[Previous Tab](#)

RFA should be a WORD file.

Please use PPT template provided

Please use Excel template provided

No additional files will be reviewed.



Upload and Submit

CONTROL NUMBER 0999-1521: FULL APPLICATION DETAILS FOR FOA #DE-SBV-0000999 EERE SMALL BUSINESS VOUCHERS ROUND 3

This application has not been submitted. The application must be submitted for evaluation by the Department of Energy.

General | Contact Information | Team Members | Location(s) of Work | Funds and Costs | TRL | **Upload and Submit**

Please upload your submission in the format specified for each file below. Prior to the submission deadline, if you decide to make changes to your submission, you may remove your existing submission and replace it with an updated version. Note: Filenames must be 250 characters or less.

Title	Description	Allowed File Types	File Name
Request for Assistance (RFA) *	Request for Assistance Application	.doc, .docx, .ppt, .pptx	0999-1521_Small_Business_Application (10/24/2016 9:50 AM ET) Remove File No additional files allowed
Summary Slide *	Project Summary Slide	.doc, .docx, .ppt, .pptx	0999-1521_Small_Business_Summary_Slide (10/24/2016 9:51 AM ET) Remove File No additional files allowed
Small Business Voucher Additional Questions Form *	Small Business Voucher Additional Questions Form	.xls, .xlsx	0999-1521_Small_Business_Additional_Questions_Form (10/24/2016 9:52 AM ET) Remove File No additional files allowed

Additional Files:

No Additional Files were uploaded for this Submission.

Upload New Additional File

I have reviewed and agree to the terms and conditions in the FOA:
SBV Terms and Conditions
 By clicking the Submit button, I certify that I am authorized to submit on behalf of Small Business.

Submit

Previous Tab

1. Check for confirmation that files were successfully uploaded.

2. Provide Required certifications.

3. Click to Submit RFA.



After Submission

- A confirmation page will pop up.
- You will receive email notification that your Full Application has been successfully submitted.
- You may un-submit, edit and resubmit the RFA prior to the application deadline.
- You may share your submission with others, and allow them to edit and resubmit the application.



For More Information...

General Information

David Kistin, info@sbv.org, 505.205.3598

Advanced Manufacturing

Julia Kelley, Oak Ridge National Laboratory
sbvpilot@ornl.gov; 865.574.1013

Bioenergy

Corinne Drennan, Pacific Northwest National
Laboratory
Corinne.drennan@pnnl.gov; 509.372.6330

Buildings

Dennis Stiles, Pacific Northwest National Laboratory
Dennis.stiles@pnnl.gov; 509.375.6374

Fuel Cells

Keith Wipke, National Renewable Energy Laboratory
Keith.wipke@nrel.gov; 303.275.4451

Geothermal

David Kistin, Sandia National Laboratory
dkistin@sandia.gov; 505.205.3598

Solar

David Kistin, Sandia National Laboratory
dkistin@sandia.gov; 505.205.3598

Vehicles

Jodi Bellacicco, Lawrence Berkeley National Laboratory
sbv@lbl.gov; 510.486.5445

Water Power (Marine and Hydrokinetic)

Al LiVecchi, National Renewable Energy Laboratory
al.livecchi.sbv@nrel.gov; 303.384.6622

Water Power (Hydropower)

TJ Heibel, Pacific Northwest National Laboratory
tj.heibel@pnnl.gov; 301.314.6751

Wind

David Kistin, Sandia National Laboratory
dkistin@sandia.gov; 505.205.3598



Small Business Vouchers Pilot
U.S. DEPARTMENT OF ENERGY

www.sbv.org

