

Fuel Cell Technologies Incubator

Innovations in Fuel Cell and Hydrogen Fuel Technologies

Webinar Transcript

Wednesday, June 11th

Please reference EERE 124 - FOA Webinar - 0000966 – Final.pdf for the presentation slides.

Title Slide (Slide #1):

Good [afternoon/morning], everyone and welcome to our webinar. Thank you for your interest in the U.S. Department of Energy's efforts on renewable energy and energy efficiency. You are joining us for the Informational Webinar for Applicants and other Interested parties for the Fuel Cell Technologies Incubator: Innovations in Fuel Cell and Hydrogen Fuel Technologies Funding Opportunity Announcement, or FOA, which was issued on 6/5/14. My name is Sara and I am a Program Manager in the Fuel Cell Technologies Office within the DOE's Office of Energy Efficiency and Renewable Energy. With me is Dave who is a Technology Manager within the Fuel Cell Technologies Office. We hope to cover the basic aspects of the Funding Opportunity Announcement during this webinar.

Before we begin, I'd like to draw your attention to the email address on the left hand side of this cover page. This is the official mailbox to direct all of your questions during the entire FOA process. Please do not contact EERE individuals directly with questions, including myself. All questions received at this mailbox are posted publicly at the Q&A section of the FOA page on EERE Exchange in an anonymous way. The official answers to your questions will typically also be posted within 3 business days. Please be careful not to submit any language that might be business sensitive, proprietary or confidential.

Also, just to be clear, there are no particular advantages or disadvantages to the application evaluation process with respect to participating on the webinar today. Your participation is completely voluntary.

Let's get started!

Slide #2:

This slide shows the anticipated schedule for the FOA. The FOA has already been posted, and we are conducting the FOA Informational Webinar now. Please note that there are a few requirements that we will go over in the presentation that are different than in past FOAs, such as Replies to Reviewer Comments – we will cover all requirements for this FOA later in the presentation.

Slide #3:

- All applicants are strongly encouraged to carefully read the Funding Opportunity Announcement DE-FOA-0000966 (“FOA”) and adhere to the stated submission requirements.
- This presentation summarizes the contents of the FOA. If there are any inconsistencies between the FOA and this presentation or statements from DOE personnel, the FOA is the controlling document and applicants should rely on the FOA language and seek clarification from EERE.
- If you believe there is an inconsistency, please contact FCTOIncubator@go.doe.gov.

Slide #4:

The agenda for this presentation is as follows:

- 1) FOA Description
- 2) Topic Areas/Technical Areas of Interest
- 3) Award Information
- 4) Statement of Substantial Involvement
- 5) Cost Sharing
- 6) Letters of Intent
- 7) Full Applications
- 8) Merit Review and Selection Process
- 9) Registration Requirements

We encourage you to have a copy of the FOA in front of you for reference as we go through the presentation.

Slide #5:

- The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) is an organization focused on achieving aggressive and well-defined mid-to-long term clean energy goals for the United States of America. In that context, EERE has established multi-year plans and roadmaps. EERE focuses the majority of its resources on a limited number of "highest probability of success" pathways/approaches to ensure that the program initiatives are supported at a critical mass (both in terms of dollars and time) for maximum impact.
- This roadmap-based approach is one of EERE's greatest strengths, which can create challenges in recognizing and exploring unanticipated, game changing pathways/approaches which may ultimately be superior to the pathways/approaches on our existing roadmaps.

Slide #6:

To enhance the responsiveness of the roadmap approach, EERE is issuing "Incubator" Funding Opportunity Announcements (FOAs) within its existing Offices and programs to support innovative technologies and solutions that could help meet existing goals but are not represented in a significant way in the Offices' existing Multi-Year Program Plans (MYPPs) or current portfolios. The Incubator programs will allow EERE to assess new technologies for their potential to be "on ramped" to future MYPPs. Successful incubator projects will reduce the risk associated with potentially breakthrough approaches and technologies so that they could be viable candidates for inclusion in future program roadmaps.

Slide #7:

This FOA represents an extension of the incubator approach to the Fuel Cell Technologies Office (FCTO). FCTO is a key component of the Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) portfolio. Fuel cells powered by hydrogen from renewable or low-carbon resources can lead to substantial energy savings and reductions in imported petroleum and carbon emissions. The FCTO aims to provide clean, safe, secure, affordable, and reliable energy from diverse domestic resources, providing the benefits of increased energy security and reduced criteria pollutants and green-house gas emissions by adopting a technology-neutral approach toward RD&D to address both key technical challenges for fuel cells and hydrogen fuels (i.e. hydrogen production, delivery and storage) and institutional barriers such as hydrogen codes and standards.

Slide #8:

More detailed descriptions of the FCTO Programs, including technical and cost targets as well as technical challenges and barriers that need to be overcome, can be found in the Multi-Year Research, Development and Demonstration Plan (MYRD&D) at:

<http://www1.eere.energy.gov/hydrogenandfuelcells/mypp/>

Information on previous and existing projects within the FCTO portfolio can be found in the DOE Hydrogen and Fuel Cells Program Annual Progress Reports at:

http://www1.eere.energy.gov/hydrogenandfuelcells/annual_reports.html

Slide #9:

The purpose of this Funding Opportunity Announcement (FOA) is to provide funding for game changing technologies and strategies to reach FCTO targets and goals through approaches and pathways either not- or under-represented in the FCTO MYRD&D plan, and RD&D portfolio. It is not to support efforts leading to incremental improvements to current products or processes or for additional R&D on

established areas in the FCTO roadmaps and R&D portfolios. Given the level of development, the awards will be structured around strict comprehensive, quantifiable go/no go decision points that seek to progressively reduce risk in the projects.

Slide #10:

Applications are invited for the research and development of hydrogen and fuel cell technologies demonstrating the potential for high market impact and for accelerated progress towards meeting FCTO goals and targets (See MYRD&D plan) including, but not limited to:

- A direct hydrogen fuel cell power system for transportation with 60% peak-efficient, 5,000 hour durability and a cost of \$30/kW to be competitive with gasoline vehicles.
- Hydrogen production and delivery at a cost of \$2-\$4/kg of hydrogen (produced and dispensed but untaxed) by 2020.
- Onboard hydrogen storage for light duty vehicles that has a potential for a system volumetric density greater than 40 g hydrogen per liter and that can be refueled at pressures of 350 bar or less to enable a driving range of more than 300 miles.

Applicants are required to describe or illustrate how their proposals address these or other FCTO goals and targets.

Slide #11:

This FOA is open to any and all impactful ideas which significantly advance the mission of the FCTO (and which FCTO is not currently supporting in a substantial way). The FOA will give equal consideration to all applications submitted, including submissions which address the following areas of particular interest:

- Platinum Group Metal (PGM)-free catalysts and membrane electrode assemblies (TRL 2-4). Applications are invited for novel cathode Platinum Group Metal (PGM)-free catalysts for the oxygen reaction and PGM-free cathode membrane electrode assemblies (MEAs) for low-temperature and high-temperature polymer electrolyte membrane fuel cells (PEMFCs) and phosphoric acid fuel cells (PAFCs). For alkaline membrane fuel cells (AMFCs), the development of innovative PGM-free anode catalysts for the hydrogen oxidation reaction, PGM-free cathode catalysts for the oxygen reaction and PGM-free MEAs are of interest. Cathode PGM-free catalyst approaches should exclude the development of carbon-nitrogen complex based catalysts.

Slide #12:

- Fuel cell–based electrochemical conversion devices for stationary energy storage (TRL 2-5). Approaches of interest include the development of innovative polymer electrolyte, alkaline membrane electrolyte and solid oxide electrolyte based unitized reversible fuel cells, as well as regenerative flow cells/flow batteries that could address renewable energy intermittency in an efficient and cost-effective manner.
- Completely innovative hydrogen production and delivery technologies to reach the DOE cost goal of \$2-\$4/kg of hydrogen (produced and dispensed but untaxed) (TRL 2-5). Applications are invited for novel approaches to hydrogen production through renewable pathways such as thermochemical conversion of biomass-derived feedstocks, and direct solar water splitting (at semi-central or central scale production). Innovative materials, components, and systems are needed to establish the technical and cost feasibility for hydrogen delivery. These include forecourt technologies (e.g., compressors, storage vessels, hoses, meters, dispensers, etc.) for 700 bar dispensing and 875 bar or greater forecourt storage, as well as next generation technologies for hydrogen transmission and distribution.

Slide #13:

- Breakthrough, reversible hydrogen storage materials that operate at hydrogen pressures of 350 bar or less (TRL 2-5). Applications are invited for completely novel materials-based approaches, not previously supported through the program, to meet the onboard light-duty vehicle storage system target of 40 grams of hydrogen per liter system volume at operating pressures of 350 bar or less. Consideration must also be given to the system mass, cost and refill time for proposed concepts as compared with DOE system targets.
- Hydrogen infrastructure (TRL 9-10). Manufacturing solutions for low-cost, standardized skid-mounted hydrogen fueling stations; and game-changing business models/financial approaches to address infrastructure costs (e.g., including soft costs) are of interest.

Slide #14:

The following types of applications will be deemed nonresponsive and will not be reviewed or considered for an award:

- Applications for proposed technologies that are not based on sound scientific principles (e.g., violates the law of thermodynamics).

- Solutions, approaches, or technologies similar to those already being investigated through current or recent FCTO projects in the portfolio.
- High temperature solid oxide fuel cell technologies, including coal-fueled systems, and other activities that fall under the scope of Fossil Energy's Solid-State Energy Conversion Alliance (SECA).

Slide #15:

Technologies/approaches leading to only incremental improvements, already commercially established and demonstrated (e.g. steam methane reforming of natural gas), or already well represented in the FCTO portfolio (e.g., PEM fuel cells and electrolyzers, including low-PGM catalysts and membrane assemblies; cathode PGM-free nitrogen-carbon complex based catalysts, polymer electrolyte membranes operating under dry and hot conditions (up to 120°C) for automotive applications; bipolar plates; and balance of plant components, including humidifiers and air management systems, for automotive fuel cell applications).

Slide #16:

EERE expects to make approximately \$ 4.6 million of Federal funding available for new awards under this FOA subject to the availability of appropriated funds. The average award amount is anticipated to range from \$500,000 to \$1M.

EERE intends to fund mostly cooperative agreements under this FOA. Cooperative Agreements include Substantial Involvement, which we will discuss next.

Slide #17:

Under cooperative agreements, there will be what is known as "substantial involvement" between EERE and the Recipient during the performance of the project.

EERE has substantial involvement in work performed under Awards made following this FOA. EERE does not limit its involvement to the administrative requirements of the Award. Instead, EERE has substantial involvement in the direction and redirection of the technical aspects of the project as a whole.

Substantial involvement includes, but is not limited to, the following:

- EERE shares responsibility with the Prime Recipient for the management, control, direction, and performance of work under this award.

- EERE reviews and approves in a timely manner project plans, including project management, testing and technology transfer plans, and recommending alternate approaches, if the plans do not address the critical programmatic issues.
- EERE participates in project management planning activities, including risk analysis, to ensure EERE Technology Office requirements or limitations are considered in performance of the work elements.

Slide #18:

- EERE may intervene in the conduct or performance of work under this Award for programmatic reasons. Intervention includes the interruption or modification of the conduct or performance of project activities.
- EERE promotes and facilitates technology transfer activities, including disseminating Technology Office results through presentations and publications.
- EERE may redirect or discontinue funding projects that fail to fully and satisfactorily complete the work described in the Statement of Project Objectives as evaluated at the Go/No Go decision points.
- EERE participates in major project decision-making processes.

At this point I would like to turn the webinar over to Dave.

Slide #19:

- The cost share must be at least 20% of Total Project Costs for research and development projects
- The cost share must be at least 50% of Total Project Costs for demonstration projects

Slide #20:

The total budget presented in the application must include both Federal (DOE), and Non-Federal (cost share) portions, thereby reflecting TOTAL PROJECT COSTS proposed. All costs must be verifiable from the Recipient's records and be necessary and reasonable for the accomplishment of the project.

Slide #21:

Cost Share must be allowable and must be verifiable upon submission of the Full Application. Please refer to this chart for your entity's applicable cost principles. It is imperative that you follow the applicable cost principles when creating your budget for the full application.

Slide #22:

Cost share can be provided in cash and/or in-kind. It can be provided by the Prime Recipient, subs, or a third party.

The basic definition of in-kind cost share is the donation of personnel time, equipment, facilities, or other items that an organization will contribute to the project. It can take many forms, each of which must be assigned a dollar value to be included in the budget. Some examples of in-kind cost share are the donation of work hours, facility use, equipment use.

Slide #23:

Be aware that there are items that are considered unallowable cost share. If a cost is considered unallowable, it cannot be counted as cost share. This slide provides some examples of cost share that is unallowable.

Slide #24:

Cost Share must be provided on an invoice basis, unless a waiver is requested and approved by the DOE Contracting Officer.

Slide #25:

EERE's Evaluation and Selection Process is shown in blue here. EERE will review Concept Papers, Replies to Reviewer Comments (which we will cover later in the presentation), and Full Applications. The gray boxes represent the actions that apply to applicants throughout the FOA process.

Slide #26:

Concept Papers are required for this FOA. Concept Papers are brief descriptions of the proposed project. It allows applicants to submit their ideas with minimal time and expense. EERE will provide feedback on

the proposed project so the Applicant can make an informed decision whether to expend additional resources to prepare a full application.

If an applicant fails to submit an eligible Concept Paper, the applicant is not eligible to submit a Full Application.

Concept Papers must be submitted by July 7, 2014, 5 PM ET through EERE Exchange.

EERE will provide applicants with either an encouraged or discouraged notification. A “discouraged” notification conveys EERE’s lack of programmatic interest in the proposed project. An applicant who receives a “discouraged” notification may still submit a Full Application.

Slide #27:

EERE evaluates the Concept Papers based on the following technical review criteria:

- Criterion 1: Extent to Which the Proposed Approach/Solution is New to the Office Portfolio (33.4%).
- Criterion 2: Impact on Office Mission and National Energy Goals if Successful (33.3%).
- Criterion 3: Technical Merit (33.3%).

EERE will provide applicants with an “encouraged” or “discouraged” notification.

Please note that regardless of the date applicants receive the Encourage/Discourage notifications, the submission deadline for the Full Application remains the date stated on the FOA cover page.

Slide #28:

The Full Application includes:

Technical Volume: The key technical submission. Applicants submit info pertaining to the technical content, project team members, etc.

SF-424 Application for Federal Assistance: The formal application signed by the authorized representative of the applicant. Includes cost share amounts and Federal certifications and assurances.

SF-424A Budget & Budget Justification: Budget documents that asks applicants to submit a detailed budget and spend plan for the project.

Summary for Public Release: Applicants must provide a 1 page summary of their technology appropriate for public release.

Summary Slide: Powerpoint slide that provides quick facts about the technology. Slide content requirements are provided in the FOA.

Administrative Documents: E.g., U.S. Manufacturing Plan, FFRDC Authorization (if applicable), Disclosure of Lobbying Activities, etc.

Slide #29:

The key technical component of the full application is the Technical Volume, which helps applicants frame the technical information that the application will be evaluated on. The Technical Volume provides information regarding what the project is, how the project tasks will be accomplished, and the project timetable.

The Technical Volume is comprised of a cover page, project overview, technical description, innovation, and impact, Workplan, and technical qualifications. Please note that the percentages listed here are suggested and are not mandatory.

- The Cover Page will be a one page document and provides basic information on their project, such as title, topic area, points of contact, etc.
- The Project Overview constitutes approximately 10% of the Technical Volume and provides information on project background, goals, impact of EERE funding.
- The Technical Description, Innovation, and Impact section is approximately 25% of the Technical Volume. It provides information on project relevance and outcomes, feasibility, and innovation/impacts. This ultimately provides the justification as to why EERE should fund the project.
- The Workplan is the key element to the Technical Volume, and constitutes approximately 50% of the Technical Volume. It details the proposed milestones and project schedule. If selected for award negotiations, the Workplan serves as the starting point when negotiating the Statement of Project Objectives.
- The Technical Qualifications and Resources section is approximately 15% of the Technical Volume. It provides applicants and opportunity to provide information about the proposed project team and demonstrate how the applicant will facilitate the successful completion of the proposed project.

Slides #30:

As we previously pointed out, applicants must submit full applications by 9/3/2014. EERE will conduct an eligibility review, and full application will be deemed eligible if:

- Applicants must submit a Full Application by 9/3/2014
- Full Applications are eligible for review if:
 - The Applicant is an eligible entity Section III.A of FOA;
 - The Applicant submitted an eligible Concept Paper;
 - The Cost Share requirement is satisfied Section III.B of FOA;
 - The Full Application is compliant Section III.C of FOA; and
 - The proposed project is responsive to the FOA Section III.D of FOA
 - The Full Application meets any other eligibility requirements listed in Section III of the FOA.

Slide #31:

Eligible applicants for this FOA include:

1. Individuals
2. Domestic Entities
3. Foreign Entities
4. Incorporated Consortia
5. Unincorporated Consortia

FFRDCs will not be allowed to apply as the prime recipient.

For more detail about each eligible applicant, please see Section III.A of the FOA for eligibility requirements.

Nonprofit organizations described in Section 501(c)(4) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995, are not eligible to apply for funding.

Please note that nonprofit organizations described in Section 501(c)(3) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995, are not eligible to apply for funding.

Also, note that all Prime Recipients receiving funding under this FOA must be incorporated (or otherwise formed) under the laws of a State or territory of the United States. If a foreign entity applies for funding as a Prime Recipient, it must designate in the Full Application a subsidiary or affiliate incorporated (or otherwise formed) under the laws of a State or territory of the United States to be the Prime Recipient.

The Full Application must state the nature of the corporate relationship between the foreign entity and domestic subsidiary or affiliate.

Slide #32:

Applicants may submit more than one application to this FOA, provided that each application describes a unique, scientifically distinct project.

Slide #33:

- The Merit Review process consists of multiple phases that each include an initial eligibility review and a thorough technical review
- Rigorous technical reviews are conducted by reviewers that are experts in the subject matter of the FOA
- Ultimately, the Selection Official considers the recommendations of the reviewers, along with other considerations such as program policy factors, to make the selection decisions

Slide #34:

Applications will be evaluated against the following merit review criteria:

Criterion 1: Impact on Office Mission and National Energy Goals If Successful (50%)

- The proposed approach or technology, if successful, represents a measureable and significant advancement over current state-of-the art technology and practice.
- Degree that the proposed project is innovative and unique.
- The relevance and impact of the goals and objectives of the project to FCTO mission, goals and targets, including FCTO's Multi-Year Program Plan (MYPP).
- Demonstration of a profound understanding of the current approach and/or state-of the-art.
- Demonstration of an awareness of competing approaches or technologies and identification of how the proposed project has advantages over these competing approaches.
- Validity and likelihood of success of the proposed manufacturing and/or commercialization strategy.
- The degree to which the proposed technology is new to FCTO's portfolio.

Slide #35:

Criterion 2: Quality and Technical Merit of Proposed Work Plan and Milestones (30%)

- Clearly defined project outcome and deliverables.
- Demonstration of a sound technical approach to accomplish the proposed objectives.
- The potential for the proposed project to meet the project objectives and goals based on the proposed tasks, milestones, and methodology.
- The clarity, quality, and reasonableness of the work plan, including the project schedule, task descriptions, milestones, and go/no go decision points.
- Submission of a development plan, technical information, test results and data that demonstrates credible and well-justified technical potential to meet or exceed any defined targets or goals.

Slide #36:

Criterion 3: Capabilities and Resources of the Team (20%)

- Degree to which the roles and responsibilities of the project team members are clearly defined and demonstrate an effective plan to manage the resources.
- Demonstrated experience and commitment of the project team to manage and implement projects of similar risk and complexity (all project aspects, including scope, cost, and schedule) that have led to successful development and commercialization.
- Collaboration of teaming partners on past projects.
- Credentials, capabilities, and experience of proposed team members/key personnel.
- Access to the facilities and equipment necessary to accomplish the project or clearly define how the necessary equipment and facilities will be obtained.

Slide #37

The Full Applications are reviewed by experts in the FOA topic area(s). After those experts review the applications, EERE will provide applicants with reviewer comments. Applicants will have a brief opportunity to review the comments and prepare a short Reply to Reviewer Comments responding to comments however they desire. The Reply to Reviewer Comments is due by the date and time provided

on this slide. Applicants should anticipate receiving the independent reviewer comments approximately three business days before this due date. The Reply to Reviewer Comments is an optional submission; applicants are not required to submit a Reply to Reviewer Comments.

This a customer centric process that provides applicants with a unique opportunity to correct misunderstandings and misinterpretations and to provide additional data that might influence the selection process in their favor. The Replies are considered by the reviewers and the selection official.

Replies to Reviewer Comments must conform to the content and form requirements listed here, including maximum page lengths. If a Reply to Reviewer Comments is more than three pages in length, EERE will review only the first three pages and disregard any additional pages.

Please see Sections IV.F. and V.A.3 for additional information regarding Replies to Reviewer Comments

Please save the reviewer comments you receive in the Exchange system. EERE does not have a formal debrief process and will not resend these comments after the reviewer comment rebuttal period ends.

Slide #38

The Selection Official may consider the merit review recommendation, program policy factors, and the amount of funds available in arriving at selections for this FOA.

Slide #39

After the Merit Review process, the Selection Official may consider program policy factors to come to a final selection decision.

The Selection Official may consider the following program policy factors in making his/her selection decisions:

- The degree to which the proposed project, including proposed cost shares, optimizes the use of available EERE funding to achieve programmatic objectives;
- The level of industry involvement and demonstrated ability to commercialize energy or related technologies;
- Technical, market, organizational, and environmental risks associated with the project;
- Whether the proposed project is likely to lead to increased employment and manufacturing in the United States;
- Whether the proposed project will accelerate transformational technological advances in areas that industry by itself is not likely to undertake because of technical and financial uncertainty;

- The degree to which the proposed project directly addresses EERE's statutory mission and strategic goals.
- The proposed approach/solution is new to the office portfolio.
- Potential for significant market impact.
- Likelihood that the successful completion of the proposed project would result in a technology or solution that could be incorporated into the Fuel Cell Technology Office multi-year Program Plan

Slide #40

There are several one-time actions before submitting an application in response to this FOA, and it is vital that applicants address these items as soon as possible. Some may take several weeks, and failure to complete them could interfere with an applicant's ability to apply to this FOA, or to meet the negotiation deadlines and receive an award if the application is selected.

DUNS Number

Obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number.

System for Award Management

Register with the System for Award Management (SAM). Designating an Electronic Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in SAM registration. Please update your SAM registration annually.

Fedconnect

Register in FedConnect. To create an organization account, your organization's SAM MPIN is required. For more information about the SAM MPIN or other registration requirements, review the FedConnect Ready, Set, Go! Guide at the FedConnect site.

Grants.gov

Register in Grants.gov to receive automatic updates when Amendments to this FOA are posted. However, please note that [Delete if Letters of Intent are not applicable] Letters of Intent, Concept Papers, and Full Applications will not be accepted through Grants.gov.

Slide #41

All required submissions must come through EERE Exchange. EERE will not review or consider applications submitted through any other means.

Slide #42

- Check entries in EERE Exchange.
 - Submissions could be deemed ineligible due to an incorrect entry.
- EERE strongly encourages Applicants to submit 1-2 days prior to the deadline to allow for full upload of application documents and to avoid any potential technical glitches with EERE Exchange.
- Make sure you hit the submit button.
 - Any changes made after you hit submit will un-submit your application and you will need to hit the submit button again.
 - For your records, print out the EERE Exchange Confirmation page at each step, which contains the application's Control Number.

Slide #43

- Applicants must designate primary and backup points-of-contact in EERE Exchange with whom EERE will communicate to conduct award negotiations
- It is imperative that the Applicant/Selectee be responsive during award negotiations and meet negotiation deadlines
 - Failure to do so may result in cancellation of further award negotiations and rescission of the Selection

Slide #44

- Questions about this FOA? Email FCTOIncubator@go.doe.gov.
- All Q&As related to this FOA will be posted on EERE Exchange.
 - You must select this specific FOA Number in order to view the Q&As.
 - EERE will attempt to respond to a question within 3 business days, unless a similar Q&A has already been posted on the website.
- Problems logging into EERE Exchange or uploading and submitting application documents with EERE Exchange? Email [EERE- ExchangeSupport@hq.doe.gov](mailto:EERE-ExchangeSupport@hq.doe.gov).
 - Include FOA name and number in subject line.

That concludes the Fuel Cell Technologies Incubator FOA webinar. Thank you.