Welcome

This webinar will begin shortly.

The webinar is being recorded and will be published on the EERE Exchange website.


What's next for SOLAR?
Solar Energy Technologies Office
Fiscal Year 2020 Funding Opportunity

Solar Energy Technologies Office 2020 Funding Opportunity Announcement

Welcome!

- This webinar will provide an overview of the Department of Energy's Solar Energy Technologies Office (SETO) and our recently announced 2020 Funding Program
- All applicants are strongly encouraged to carefully read the Funding Opportunity Announcement (FOA) **DE-FOA-0002243** and adhere to the stated submission requirements.
- This presentation summarizes the contents of FOA. No new information on the FOA will be discussed in this webinar. 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.
- 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 at **SETO.FOA@ee.doe.gov**.
- Please use the chat feature of the WebEx to ask questions or direct questions to **seto.foa@ee.doe.gov**. SETO will post answers to FOA-related questions on Exchange so everyone has equal access to the answers.

Agenda

1) **Solar Energy Technologies Office Background**
2) FOA Topics Overview
3) Award Information
   - Statement of Substantial Involvement
   - Cost Sharing
4) FOA Timeline
   - Concept Papers
   - Full Applications
   - Merit Review and Selection Process
5) Registration Requirements

Solar Energy Technologies Office

WHAT WE DO

The Solar Energy Technologies Office (SETO) funds early-stage research and development in three technology areas: photovoltaics (PV), concentrating solar power (CSP), and systems integration with the goal of improving the **affordability**, **performance**, and **value** of solar technologies on the grid.

HOW WE DO IT

Advance solar technology to drive U.S leadership in innovation and reductions in solar electricity costs.

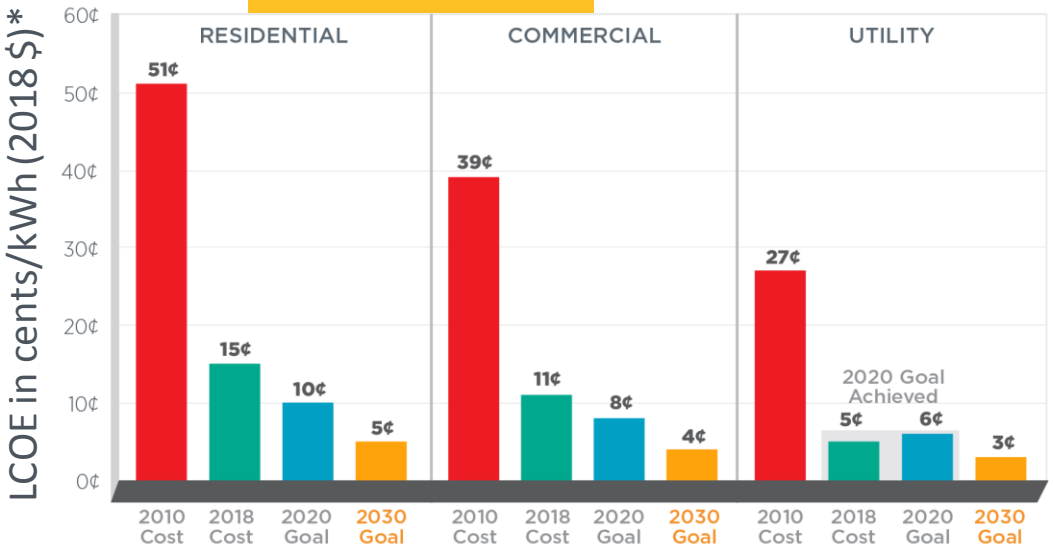
Enable solar to **support grid reliability** and pair with storage to provide new options for **community resilience.**

Provide **relevant and objective technical information** on solar technologies to stakeholders and decision-makers.

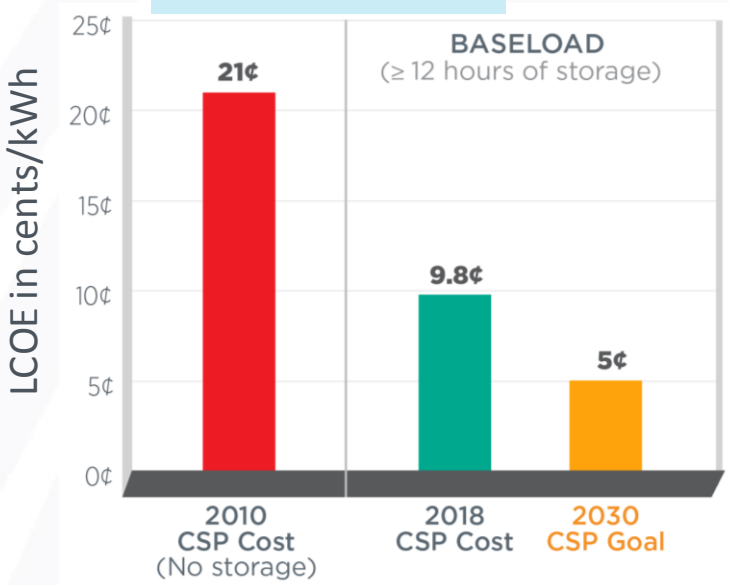
Progress and Goals

The office invests in innovative research efforts that securely integrate more solar energy into the grid, enhance the use and storage of solar energy, and lower solar electricity costs.

PV Cost Targets



CSP Cost Targets

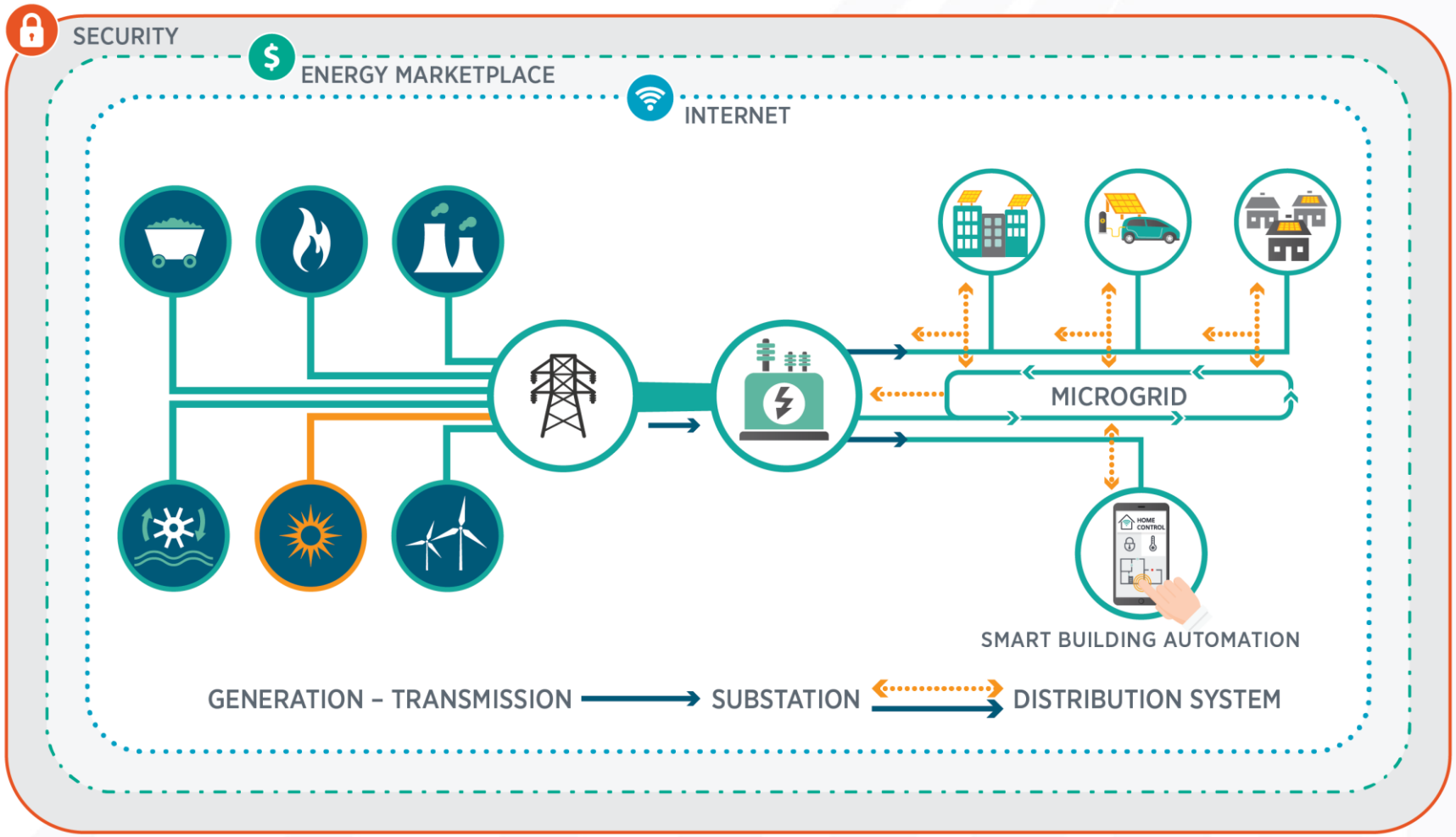


*Levelized cost of energy (LCOE) progress and targets are calculated based on average U.S. climate and without the ITC or state/local incentives. The residential and commercial goals have been adjusted for inflation from 2010-18.

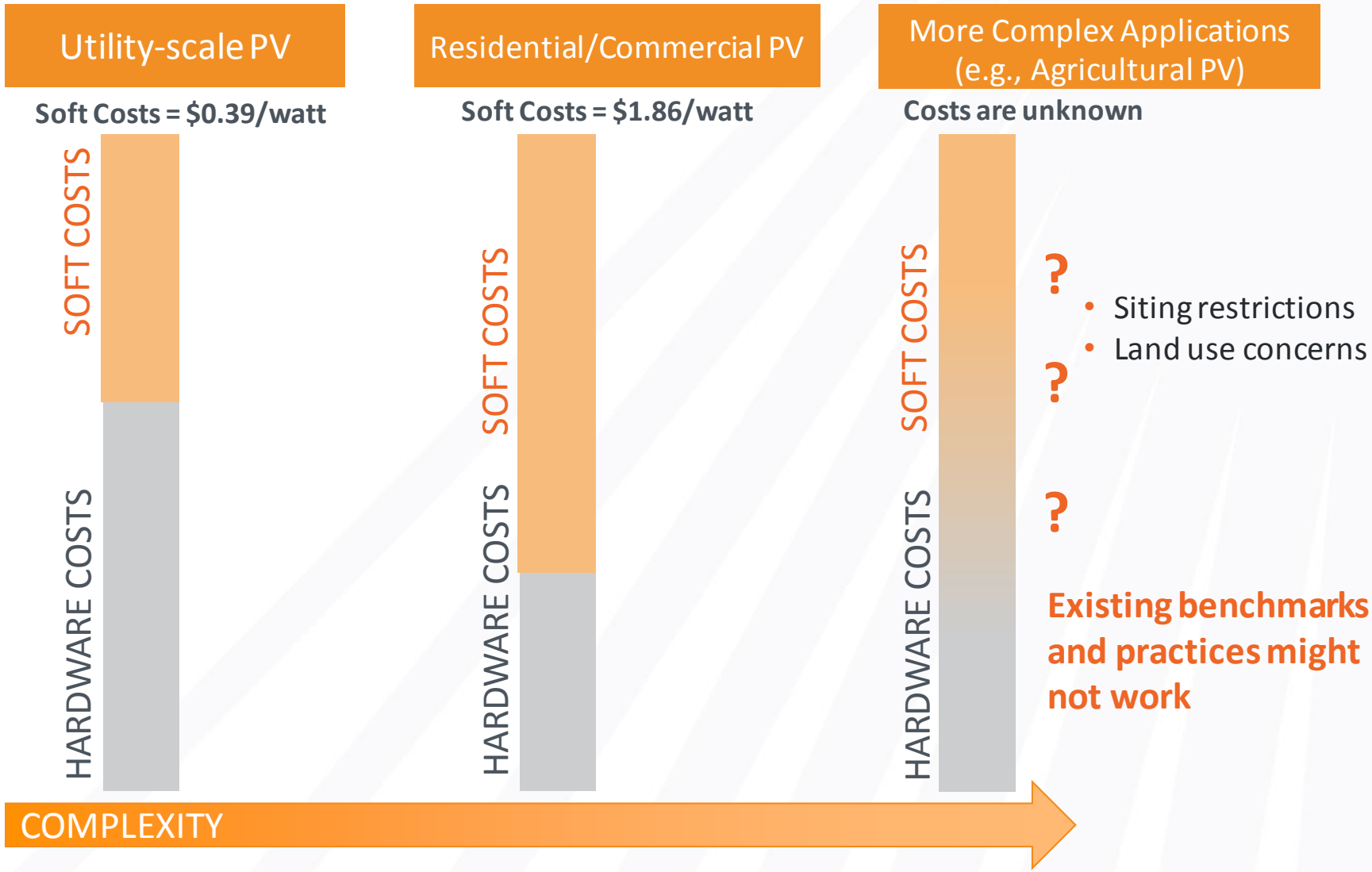
The office's 2030 cost targets for CSP baseload (≥12 hours of storage) plants will help make CSP competitive with other dispatchable generators.

New Challenges: Enabling Solar Integration with Modern Grid

Goal: Centralized and distributed generation optimized with finely tuned, 2-way load balancing



Defining and Addressing Soft Costs



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What's next for SOLAR?

Funding Opportunity Topic Areas

- Photovoltaics Hardware Research
- Integrated Thermal Energy STorage and Brayton Cycle Equipment Demonstration (Integrated TESTBED)
- Solar Energy Evolution and Diffusion Studies 3 (SEEDS 3)
- Innovations in Manufacturing: Hardware Incubator
- Systems Integration
- Solar and Agriculture: System Design, Value Frameworks and Impacts Analysis
- Artificial Intelligence Applications in Solar Energy with Emphasis on Machine Learning
- Small Innovative Projects in Solar (SIPS): PV and CSP

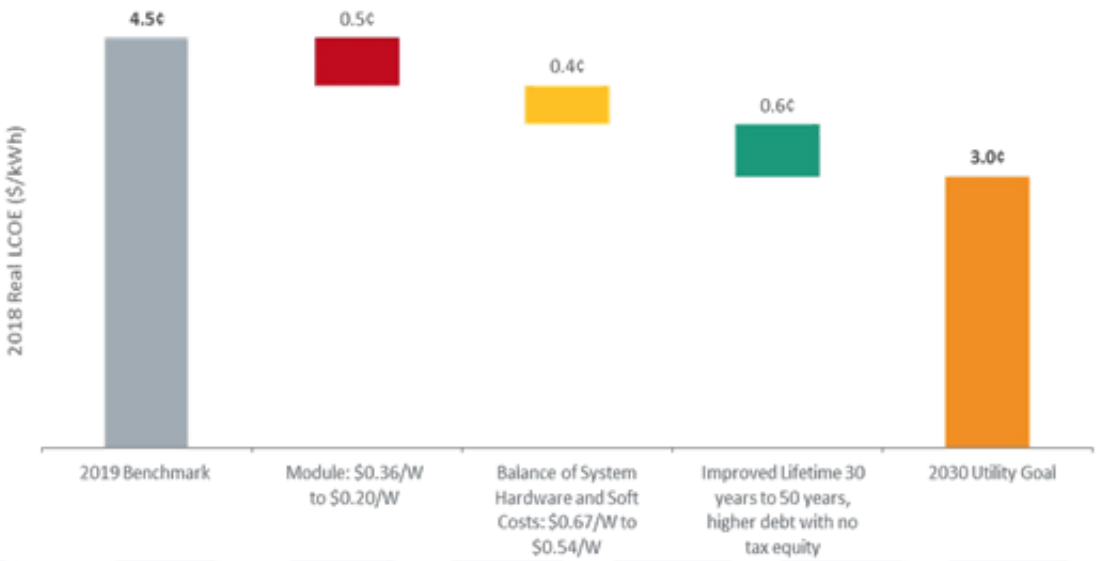
Topic 1: Photovoltaics Hardware Research

Summary

Projects in this topic area will improve the functions of PV hardware over the long term, maximizing energy yields, increasing efficiency, and improving PV system modeling to ensure reliable performance prediction.

Areas of Interest

- Characterizing and mitigating performance degrading defects in silicon PV
- Characterizing and mitigating performance degrading defects in CdTe
- Correlation of module-accelerated performance testing with field performance
- Tandems demonstration at string level
- Inverter and module-level electronics reliability
- Advanced stable perovskite cell architectures and interfaces



Topic 2: Integrated Thermal Energy STorage and Brayton Cycle Equipment Demonstration (Integrated TESTBED)

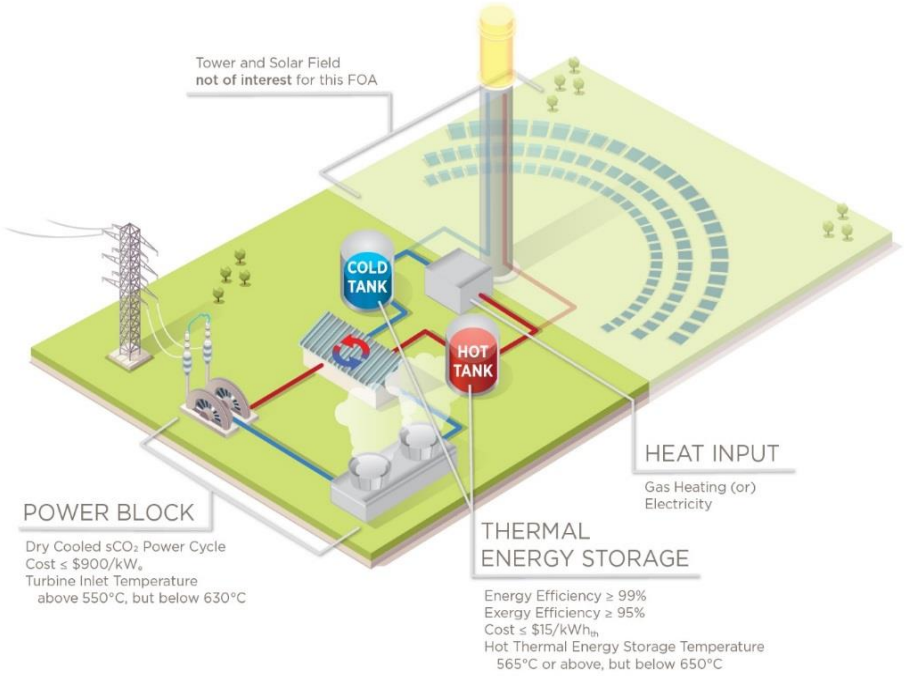
Summary

This topic area seeks to develop, build, and operate an sCO_2 power cycle integrated with thermal energy storage providing turbine inlet temperatures in the range of 550-630°C. The goal is to accelerate the commercialization of the sCO_2 Brayton cycle, which is critical to lowering CSP system costs, and provide operational experience for utilities, operators, and developers.

Areas of Interest

Applicants will address the following technical objectives:

- Integrated demonstration of a sCO_2 cycle power block heated by thermal energy storage at ~10 MWe scale
- Supporting R&D to develop components and conduct separate effects tests in areas which are not ready for integrated demonstration



Note: Topic 2 has higher page limits for the Concept Paper (10 pages), Full Application Technical Volume (50 pages), and Replies to Reviewer Comments (5 pages), and a unique submission location on eere-Exchange.energy.gov at: DE-TA2-0002243

Topic 3: Solar Energy Evolution and Diffusion Studies 3 (SEEDS 3)

Summary

SEEDS focuses on understanding the energy economics that impact solar soft costs. The first two rounds have supported data-driven research on how solar energy advances, decreases in costs, and spreads to consumers. SEEDS 3 will focus on information flow and co-adoption of solar with other technologies.

Areas of Interest

Applications may address one of these topic areas:

- **Topic Area 3.1: Strategic Knowledge Dissemination** – mapping information flows and identifying and quantifying the impact of gaps in knowledge dissemination
- **Topic Area 3.2: Leveraging Co-Adoption Trends** – understanding co-adoption trends and examining how co-adoption impacts user behavior and the end value of the technologies

Topic 4: Innovations in Manufacturing: Hardware Incubator

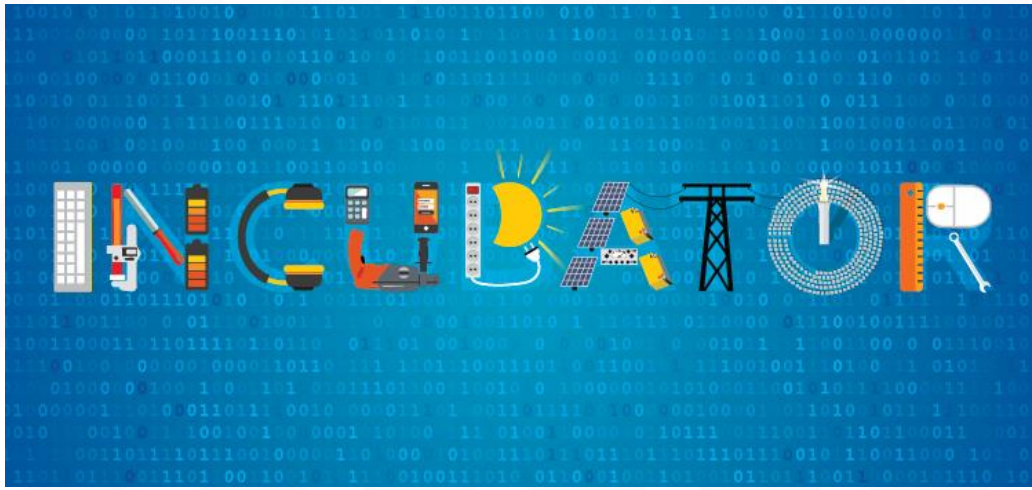
Summary

- Only for-profit entities can apply to this topic.
- The goal of this topic is to de-risk new technologies, bring a prototype to a pre-commercial stage, and retire any business or market risks to spur follow-on private investment, patents, scientific and technical publications, and jobs.
- This topic is best suited for entities that have already developed their prototype and proved that the technology is feasible and provides advantages compared to the state-of-the-art
- SETO has a particular interest in applications with the potential to develop and support a strong U.S. solar manufacturing sector and supply chain.

Areas of Interest

Applications may address one of these topic areas:

- Advanced solar system integration technologies that enhance the ability of solar energy systems to contribute to grid reliability, resiliency, and security
- CSP and solar-thermal industrial process heat (SIPH)
- PV technologies



Topic 5: Advanced Solar Systems Integration Technologies

Summary

The systems integration (SI) subprogram supports early-stage research, development, and field validation that advances the reliable, resilient, secure and affordable integration of solar energy onto the U.S. electric grid. The subtopics focus on enabling PV to support enhanced resilience of the distribution system, improved cybersecurity of grid segments with PV and development of effective plants consisting of PV and other generator or storage technologies.

Areas of Interest

- **Topic 5.1: Resilient Community Microgrids** – Operations technologies to enable formation of local microgrids and research to support the integration of flexible generation and controllable loads with storage
- **Topic 5.2: Addressing Cybersecurity Gaps** – Solutions that improve the cybersecurity of operational systems used by DER aggregators
- **Topic 5.3: Control and Coordination of an Inverter-Based Hybrid PV Plant** – Developing control technologies that optimize hybrid plants to provide flexibility, stability, and grid-forming capabilities

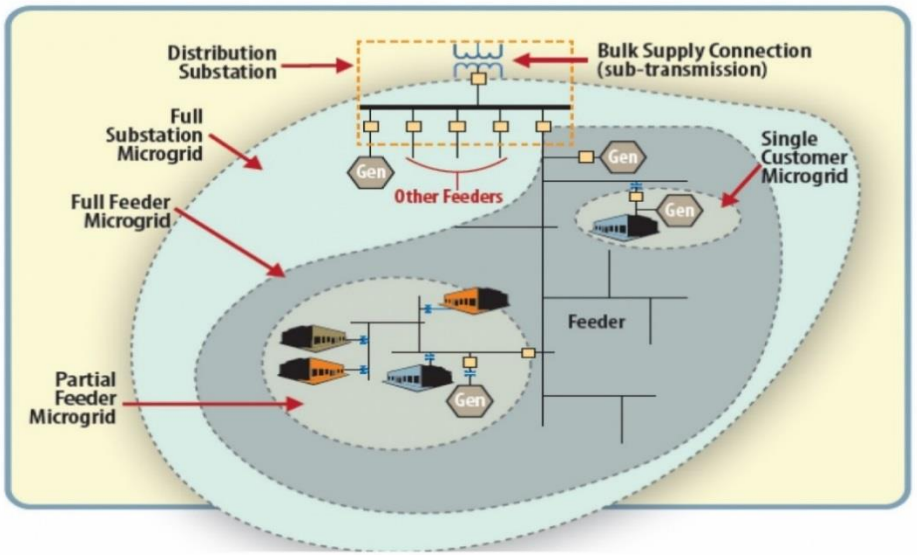


Illustration courtesy of Electric Power Research Institute

Topic 6: Solar and Agriculture: System Design, Value Frameworks and Impacts Analysis

Summary

- Build upon and expand ongoing SETO projects related to the co-location of solar and agriculture by developing technology, evaluating practices to date, and conducting research and analysis that enable farmers, ranchers, and other agricultural enterprises to quantify and realize value from solar technologies while maintaining availability of land for agricultural purposes.
- The goal is to facilitate and expand the co-location of solar and agricultural activities where it is beneficial to both industries and to the local community.

Areas of Interest

Applications may address one or more of these areas:

- System design and technology development
- New frameworks for integrating solar and agriculture
- Research on ecological and performance impacts of co-location

Applicants are encouraged to develop diverse, multi-sectoral teams and to leverage existing SETO programs in this and related areas.

Topic 7: Artificial Intelligence Applications in Solar Energy with Emphasis on Machine Learning

Summary

This topic area will leverage the artificial intelligence (AI)-related know-how developed in the United States to develop disruptive solutions across the value chain of the solar industry. These projects will form partnerships between experts in AI and industry stakeholders, such as solar power plant operators or owners, electric utilities, PV module manufacturers, and others that can supply the necessary data as well as solar-related subject matter expertise.

Areas of Interest

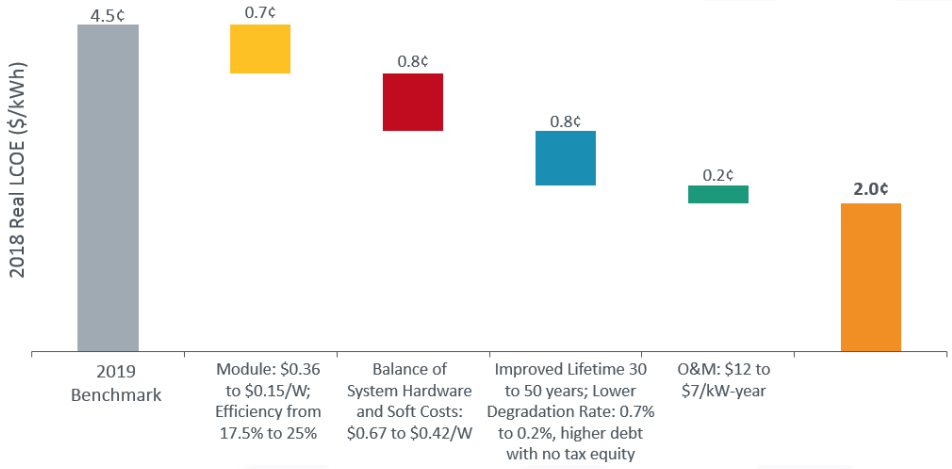
- Optimization of Plant Performance and Reliability
- Optimization of Plant Design
- Long-Term Performance and Reliability of PV Modules
- Long-Term Insolation Prediction
- Day-Ahead Net-Load Prediction
- Data Imputation for Situational Awareness of the Grid

Topic 8: Small Innovative Projects in Solar (SIPS): PV and CSP

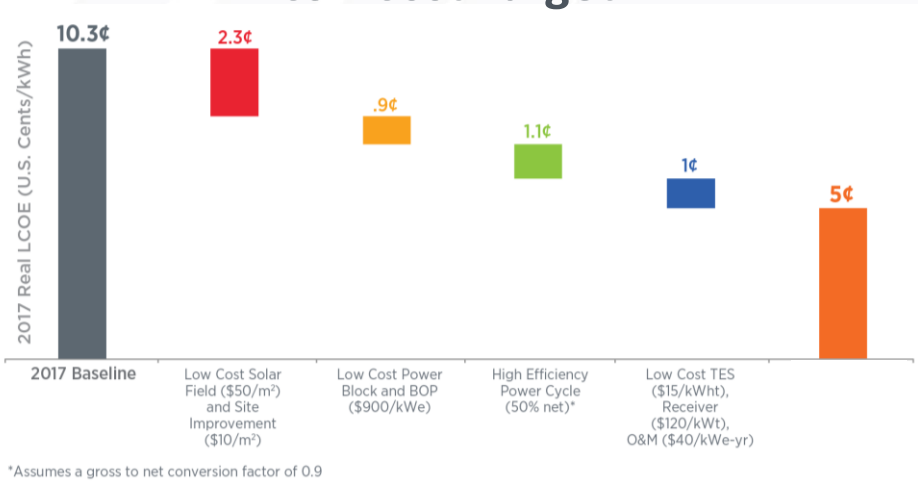
Summary

SIPS will focus on innovative and novel ideas in PV or CSP that are riskier than research ideas based on established technologies. In order to rapidly fund small innovative concepts, this topic area will use an abbreviated application process. PV projects must de-risk concepts to achieve a aggressive 0.02/kWh LCOE target. CSP projects must de-risk concepts compatible with an aggressive $0.05/kWh LCOE target (with storage). The scope of the CSP topic also includes solar thermal industrial process heat technologies (SIPH) with a target Levelized Cost of Heat of $0.02/kWh (thermal).

PV SIPS Cost Target



CSP Cost Target



Available Federal Funds: up to $300,000 per project

Period of Performance: 1 year

energy.gov/solar-office

Topic 8: SIPS Process Differences

Due to the unique structure of the SIPS topic, the following items deviate from Topics 1-7:

- Unique submission location in eere-Exchange.energy.gov at:
  - DE-TA8-0002243
- No required concept paper
- Reduced technical volume size (4 pages of content, see section E.i for more details)
- No U.S. Manufacturing Plan requirement
- All awards will be for up to $300,000 in federal funds over a one year duration
- FFRDC's are not eligible to apply as the prime recipient

Items that fully align with other topics:

- Full Application Submission deadline
- All other application documents listed in section E.i of the FOA

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Award Information

Total Amount to be Awarded	Approximately $125.5 million*
Average Award Amount	EERE anticipates making awards that range from $300,000 to $39 million
Types of Funding Agreements	• Cooperative Agreements** • Grants • Technology Investment Agreements • Work Authorizations • Interagency Agreements
Period of Performance	12 to 60 months
Cost Share Requirement	20-50% of total project costs

* Subject to the availability of appropriated funds

** Although all of the above funding types are available, EERE generally will fund cooperative agreements

Statement of Substantial Involvement

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 Recipient for the management, control, direction, and performance of the Project.
- 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 may redirect or discontinue funding the Project based on the outcome of EERE's evaluation of the Project at the Go/No Go decision point.
- EERE participates in major project decision-making processes.

Teaming Partner List

- To facilitate the formation of new project teams for this FOA, a Teaming Partner List is available at eere-Exchange.energy.gov
- Any organization that would like to be included on this list should submit the following information to SETO.FOA@ee.doe.gov.
  - Organization name, contact name, contact address, contact email, and contact phone number
  - Organization type, area of technical expertise, topic area, and a brief description of capabilities
- By submitting this information, you consent to the publication of the above-referenced information.
- EERE expects to update the Teaming List at least every week
- **By facilitating this Teaming Partner List, EERE does not endorse or otherwise evaluate the qualifications of the entities that self-identify themselves for placement on the Teaming Partner List.**

Cost Sharing Requirements

- The cost share must be at least 20% of the total allowable costs for R&D projects and 50% of the total allowable costs for demonstration and commercial application projects and must come from non-federal sources unless otherwise allowed by law.*
- The following table illustrates the anticipated focus and required cost share for projects' demonstration activities, along with the anticipated time frames for each phase.
- Demonstration is an option for all projects in Topics 1, 2, 4, 5, 6, and 7, but may not be possible or applicable, depending on the technology, technology readiness level, or current regulations and market structures.**

	Budget Period 1	Budget Period 2	Budget Period 3
R&D projects without demonstration	Research and development (20% cost share)		
R&D projects with demonstration in budget period 3	Research and development (20% cost share)		Demonstration (50% cost share)
Projects with a mixture of demonstration and R&D activities throughout all budget periods	Research and development tasks (20% cost share) and demonstration tasks (50% cost share) clearly delineated and marked appropriately		

NOTE:

* The sum of the government share, including FFRDC costs if applicable, and the recipient share of allowable costs equals the total allowable cost of the project. See 2 CFR 200.306 and 2 CFR 910.130 for the applicable cost sharing requirements

** Any proposed project with demonstration is required to provide at least 50% cost share during the validation period See Appendix F of the FOA for further discussion of technology readiness levels.

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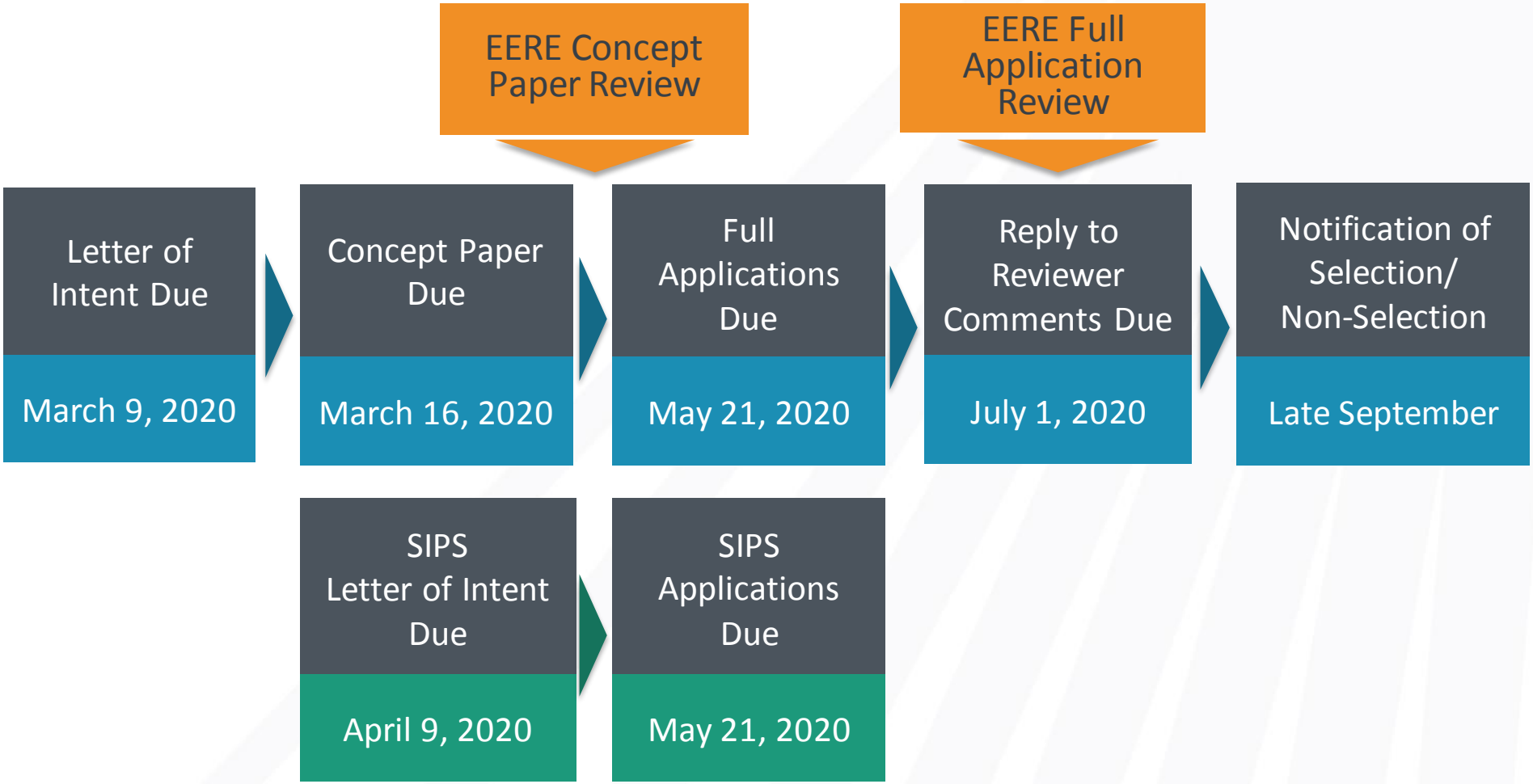
FOA Timeline



Expected Timeframe for Award Negotiations: September-November 2020

Required Letters of Intent

- Letters of Intent (LOIs) for Topics 1-7 are **REQUIRED** to be submitted in eere-Exchange.energy.gov by **5:00 PM ET on March 9th** in order to be eligible to submit a Concept Paper and Full Application.
- **To be considered:**
  - The LOI must comply with the content and form requirements of Section IV.C. of the FOA, and
  - The applicant must enter all required information and click the "Create Submission" button in EERE Exchange by the deadline stated in the FOA.
- The LOIs should not contain any proprietary or sensitive business information.
- EERE will not provide notification of acceptance for LOIs.

Required Concept Papers

- Applicants for Topics 1-7 must submit a Concept Paper by **5:00 PM ET on March 16, 2020** through eere-Exchange.energy.gov
- Section IV.D of the FOA provides more information on the Concept Paper Content Requirements.
  - Each Concept Paper must be limited to a single concept or technology
  - The Technical Description of the Concept Paper is limited to a maximum of 4 pages for Topics 1-7 (10 pages for Topic 2)
- EERE provides applicants with an "Encouraged" or "Discouraged" notification and the reviewer comments.
  - Failure to include the required content could result in the Concept Paper receiving a "Discouraged" determination or the Concept Paper could be found to be ineligible
- 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.

Concept Paper Review Criteria

Concept Papers are evaluated based on consideration of the following factor. All sub-criteria are of equal weight.

- **Overall FOA Responsiveness and Viability of the Project**
  (Weight: 100%). This criterion involves consideration of the following sub-criteria:
  - The applicant clearly describes the proposed technology, describes how the technology is unique and innovative, and how the technology will advance the current state-of-the-art
  - The applicant has identified risks and challenges, including possible mitigation strategies, and has shown the impact that EERE funding and the proposed project would have on the relevant field and application
  - The applicant has the qualifications, experience, capabilities and other resources necessary to complete the proposed project
  - The proposed work, if successfully accomplished, would clearly meet the objectives as stated in the FOA

Full Application Eligibility Requirements

Applicants must submit a Full Application by 5:00 PM ET on May 21, 2020

Full Applications are eligible for review if:

- ✓ The Applicant is an eligible entity under Section III.A of the FOA
- ✓ The Applicant submitted an eligible Concept Paper and LOI
- ✓ The Cost Share requirement is satisfied Section III.B of FOA
- ✓ The Full Application is compliant under Section III.C of the FOA
- ✓ The proposed project is responsive to Section III.D of the FOA
- ✓ The Full Application meets any other eligibility requirements listed in Section III of the FOA

Full Applications Content Requirements

The Full Application for Topics 1-7 includes:

- Technical Volume
- SF-424 Application for Federal Assistance
- Budget Justification
- Summary for Public Release
- Summary Slide
- Other Administrative Documents:
  - Subrecipient Budget Justification, if applicable
  - DOE WP for FFRDC, if applicable
  - Authorization from cognizant Contracting Officer for FFRDC, if applicable
  - SF-LLL Disclosure of Lobbying Activities
  - Foreign Entity and Foreign Work waiver requests, if applicable
- U.S. Manufacturing Plan (except for Topic 3 and Topic 8)

Who is Eligible to Apply?

Eligible Applicants for this FOA include:

1. U.S. citizens and lawful U.S. permanent residents
2. For-profit entities
3. Educational institutions
4. Nonprofits
5. State, local, and tribal government entities
6. DOE/National Nuclear Security Administration (NNSA)/Federally Funded Research and Development Centers (FFRDCs)

Eligibility Restrictions:

- **Topic Areas 1 and Topic Area 8:** DOE and NNSA/FFRDC and national laboratories are NOT eligible to apply as prime recipients and may be included only as subrecipients on applications for Topic Area 1: Photovoltaics Hardware Research and Topic Area 8: Small Innovative Projects in Solar (SIPS): PV and CSP.
- **Topic Area 4**: Eligibility is restricted to for-profit entities as the prime recipient of awards under Topic Area 4: Innovations in Manufacturing: Hardware Incubator.

Note:

- The scope of work performed by the prime recipient shall not be less than the scope of work performed by the subrecipients who are ineligible to be prime applicants, as measured by the total project costs.
- 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.
- Prime Recipients must be incorporated (or otherwise formed) under the laws of a State or territory of the United States and have a physical location for business operations in the United States.
- For more detail about eligible applicants, please see Section III.A of the FOA

Multiple Applications

An entity **may submit more than one** LOI, Concept Paper, and Full Application to this FOA, provided that each application describes a **unique, scientifically distinct project** and provided that an eligible LOI and Concept Paper was submitted for each Full Application.

Merit Review and Selection Process (Full Applications)

- The Merit Review process consists of multiple phases that each include an 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

Technical Merit Review Criteria

Full Applications and SIPS Applications will be evaluated against the merit review criteria shown below:

Criterion 1: Innovation and Impact (50% weight)

The project is innovative and impactful, assuming the stated outcomes can be achieved as written. The project is differentiated with respect to existing commercial products, solutions, or technologies. If successful, the project is scalable to have a broader impact and maintained at a sufficiently large scale after project completion.

Criterion 2: Quality and Likelihood of Completion of Stated Goals (30% weight)

The application demonstrates an understanding and appreciation of project risks and challenges the proposed work will face and incorporates reasonable assumptions related to the execution of the project (i.e. market size, customer participation, costs, speed of proposed scale-up or adoption). The information included for the project is validated through customer trials, data from prior work, report references, technical baselines established, etc. The stated goals of the project are SMART (Specific, Measurable, Achievable, Relevant, and Timely) and likely to be accomplished within the scope of this project. The proposed budget is reasonable to achieve the objectives proposed.

Criterion 3: Capability and Resources of the Applicant/Project Team (20% weight)

The team is well qualified and has the capability and resources necessary to successfully complete the project. The team (including proposed subrecipients) have the training and experience to achieve the final results on time and to specification. The project team is fully assembled and committed to the project (verified through letters of support) and has a demonstrated record of successful past performance.

Selection Factors

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.

Program Policy Factors

The Program Policy Factors for this FOA are:

- The degree to which the proposed project:
  - Exhibits technological or programmatic diversity when compared to the existing DOE project portfolio and other projects selected from the subject FOA
  - Including proposed cost share, optimizes the use of available EERE funding to achieve programmatic objectives
  - Will accelerate transformational technological, financial, or other advances in areas that industry by itself is not likely to undertake because of technical and financial uncertainty
  - Or group of projects, represent a desired geographic distribution (considering past awards and current applications)
  - Avoids duplication/overlap with other publicly or privately funded work
  - Enables new and expanding market segments
  - Promotes increased coordination with nongovernmental entities for demonstration of technologies and research applications to facilitate technology transfer
  - Improves resiliency of critical infrastructure
- The level of industry involvement and demonstrated ability to accelerate commercialization and overcome key market barriers
- Based on the commitments made in the U.S. Manufacturing Plan, the degree to which the proposed project is likely to lead to increased employment and manufacturing in the United States or provide other economic benefit to U.S. taxpayers
- Whether the proposed project will occur in a Qualified Opportunity Zone or otherwise advance the goals of the Qualified Opportunity Zones. The goals include spurring economic development and job creation in distressed communities throughout the United States.

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Registration Requirements

- To apply to this FOA, Applicants must register with and submit application materials through EERE Exchange eere-Exchange.energy.gov
- Obtain a "control number" at least 24 hours before the first submission deadline at eere-Exchange.energy.gov
- Although not required to submit an Application, the following registrations must be complete to receive an award under this FOA:

Registration Requirement	Website
DUNS Number	http://fedgov.dnb.com/webform
SAM	https://www.sam.gov
FedConnect	https://www.fedconnect.net

- Applicants are also welcome to register in Grants.gov to receive automatic updates about the FOA

Means of Submission

- Letters of Intent, Concept Papers, Full Applications, and Replies to Reviewer Comments must be submitted through EERE Exchange at eere-Exchange.energy.gov

- EERE will not review or consider applications submitted through other means

- The Users' Guide for Applying to the Department of Energy EERE Funding Opportunity Announcements can be found at eere-Exchange.energy.gov/Manuals.aspx

Key Submission Points

- Check entries in eere-Exchange.energy.gov
  - 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

Applicant Points-of-Contact

- 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

Questions

- Please use the chat feature of the WebEx to ask questions; if we are not able to answer your questions today, please direct questions to the following email address: SETO.FOA@ee.doe.gov
- All questions related to this FOA received at the above email address will be posted on EERE Exchange
  - You must select this specific FOA Number in order to view Q&As
  - EERE will attempt to respond to a question within 3 business days, unless a similar Q&A is already posted on the website
- Problems logging into EERE Exchange or uploading and submitting application documents with EERE Exchange? Email EERE-ExchangeSupport@hq.doe.gov
  - Include FOA name and number in subject line

THANK YOU FOR PARTICIPATING IN THIS WEBINAR

Appendix

Cost Share Contributions

- Contributions must be:
  - Specified in the project budget
  - Verifiable from the Prime Recipient's records
  - Necessary and reasonable for proper and efficient accomplishment of the project
- If you are selected for award negotiations, every cost share contribution must be reviewed and approved in advance by the Contracting Officer and incorporated into the project budget before the expenditures are incurred
- Please note, vendors/contractors may NOT provide cost share. Any partial donation of goods or services is considered a discount and is not allowable.

Allowable Cost Share

- Cost Share must be allowable and must be verifiable upon submission of the full application
- Refer to the following applicable Federal cost principles:

Entity	Cost Principles
For-profit entities	FAR Part 31 http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/fardfars/far/31.htm
All other non-federal entities	2 CFR Part 200 Subpart E - Cost Principles https://www.ecfr.gov/cgi-bin/text-idx?node=2:1.1.2.2.1.5&rgn=div6

- **Cash Contributions**: May be provided by the Prime Recipient, Subrecipients, or a Third Party (may not be provided by vendors/contractors)

- **In-Kind Contributions**: Can include, but are not limited to: the donation of space or use of equipment.

Unallowable Cost Share

The Prime Recipient may **NOT** use the following sources to meet its cost share obligations including, but not limited to:

- Revenues or royalties from the prospective operation of an activity beyond the project period
- Proceeds from the prospective sale of an asset of an activity
- Federal funding or property
- Expenditures reimbursed under a separate Federal Technology Office
- The same cash or in-kind contributions for more than one project or program
- Vendor/contractor contributions

Cost Share Payment

- Recipients must provide documentation of the cost share contribution, incrementally over the life of the award
- The cumulative cost share percentage provided on **each invoice** must reflect, at a minimum, the cost sharing percentage negotiated
- In limited circumstances, and where it is in the government's interest, the EERE Contracting Officer may approve a request by the Prime Recipient to meet its cost share requirements on a less frequent basis, such as monthly or quarterly. See Section III.B.7 of the FOA.

Replies to Reviewer Comments for Topic Areas 1-7

- EERE provides applicants with reviewer comments
- Applicants to Topic Areas 1-7 have the option to provide a Reply to Reviewer Comments; Replies are not required
- To be considered by EERE, a Reply must be submitted by July 1, 2020 and submitted through EERE Exchange
- Content and form requirements:

Section	Page Limit	Description
Text	3 pages max for Topic Area 1, 3, 4, 5, 6, 7 5 pages max for Topic Area 2	Applicants may respond to reviewer comments or supplement their Full Application with graphs, charts, or other data.

Pre-Selection Interviews

- EERE may invite one or more applicants to participate in Pre-Selection Interviews
- All interviews will be conducted in the same format
- EERE will not reimburse applicants for travel and other expenses relating to the Pre-Selection Interviews, nor will these costs be eligible for reimbursement as pre-award costs
- Participation in Pre-Selection Interviews with EERE does not signify that applicants have been selected for award negotiations