



Manufacturing Training for Cleantech Entrepreneurs

CleanEnergyManufacturing@EE.doe.gov

Informational Webinar
July 11, 2016



Lab Call Schedule

Key Dates	
Lab Call Issue Date	July 6
Informational Webinar	3:30 p.m. (ET), July 11
Submission Deadline for Proposals	5:00 p.m. (ET), July 26
Expected Date for EERE Selection Notifications	August 4
Expected Timeframe for Final AOPs and Release of Funds	September



Notice

- The Lab Call can be found on EERE exchange:

<https://eere-exchange.energy.gov/default.aspx#Foaldc326f5ce-739a-45bb-afbc-dbe9e896a9ef>

- All applicants are strongly encouraged to carefully read the Lab Call and adhere to the stated submission requirements.
- This presentation summarizes the contents of the Lab Call. If there are any inconsistencies between the Lab Call and this presentation or statements from DOE personnel, the Lab Call is the controlling document and applicants should rely on the Lab Call language and seek clarification from EERE.
- If you believe there is an inconsistency, please contact CleanEnergyManufacturing@EE.doe.gov.



Agenda

- 1) Background
- 2) Lab Call Description
- 3) Funding Information
- 4) Proposal Information
- 5) Merit Review and Selection Process



Background: Clean Energy Manufacturing Initiative

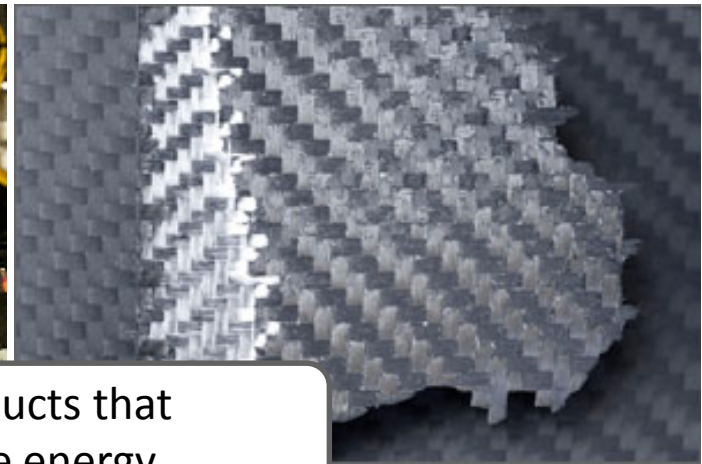
1. Increase U.S. competitiveness in the production of clean energy products.



Products that generate clean energy



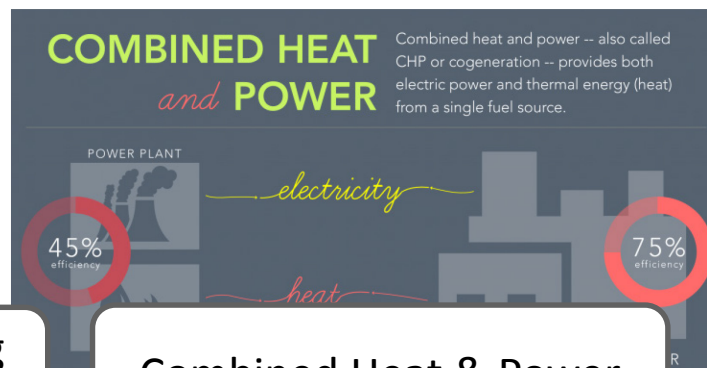
Products that save energy



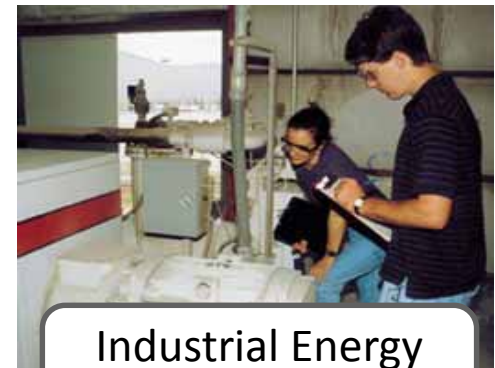
2. Increase U.S. manufacturing competitiveness across the board by increasing energy productivity and leveraging low-cost fuels and feedstocks.



Advanced Manufacturing Technologies



Combined Heat & Power



Industrial Energy Efficiency



Background: Technology-to-Market (T2M)



EERE's Technology-to-Market is facilitating a better innovation ecosystem for clean energy.

T2M PROGRAMS:



Seed clean energy entrepreneurship and launch new ventures.



Provide funding, resources, and services to great innovators and promising ideas.



Connect technology development to the market to achieve customer traction and maximum impact.

T2M is focused on finding and supporting the most effective ecosystem models to achieve these goals.



Lab Call Description

Summary: To advance DOE's priorities of increasing U.S. competitiveness in manufacturing clean energy technologies and bringing new innovative technologies to market, the Clean Energy Manufacturing Initiative will fund a national laboratory to develop manufacturing training content for cleantech entrepreneurs.

Goals:

- Prepare cleantech entrepreneurs at the prototype stage for manufacturing at scale.
- Enable cleantech entrepreneurs to ask the pertinent questions at the right time of manufacturing partners.
- Align the manufacturing readiness of cleantech start-ups with expectations of industry and investment partners.
- Prime entrepreneurs to leverage existing resources (e.g. manufacturing experts, contract manufacturers).



Expectations of Lab Call

The deliverables sought are two-fold:

1. Create manufacturing training content for cleantech entrepreneurs consisting of online modules and materials for personalized instruction.
2. Aid DOE in the design of a training implementation plan applicable to the broad clean energy innovation community.



MForesight Report Recommendations

The MForesight report makes recommendations on the content, case studies, and delivery mechanisms for the following topics:



- “Manufacturing for Entrepreneurs”: Introduction and self-assessment
- “Material Selection”: Material properties and design considerations
- “Manufacturing Processes”: Basics and key terms
- “Design for Manufacturing”: Design for X (DFX) topics
- “Supply Chain”: Basics and cost estimation
- “Bill of Materials and Bill of Process”: Basics and cost estimation
- “Standards and Regulations”: Regulations, standards, and best practices
- “Securing Mutually Beneficial Manufacturing Partnerships”: Basics, best practices, and intellectual property



Funding Information

Total Amount to be Provided	Up to \$1,000,000
Type of Funding Instrument	Annual Operating Plan (AOP)
Number of Proposals to be Selected	EERE anticipates selecting one proposal under this Laboratory Call
Period of Performance	7 to 10 Months
Eligible Entity	U.S. Department of Energy National Laboratories
Application Partners	National Lab applicants are encouraged to include partners with relevant expertise
Cost Share	Not required
Submission of Multiple Proposals	Each Laboratory may submit one proposal to this Lab Call



DOE Facilitation of Partnerships

All parties that are interested in finding one or more application partners can email CleanEnergyManufacturing@EE.doe.gov by Friday July 15th at 1 PM EST.

The title of the email must contain the phrase “request to partner” and the body must contain the following information:

- Name of entity (individual or company)
- Point of contact (POC) email address
- Category (Select either number 1 or 2. If 2, specify area(s) of expertise):
 1. National Laboratory
 2. External partner with expertise in:
 - a. Curriculum development
 - b. Manufacturing
 - c. Entrepreneur training delivery

The above information from all requests will be sent to all POCs on July 15th.



Proposal Format

- The proposal should use the template provided in the Lab Call document and should be submitted in Portable Document Format (PDF).
- Proposals may include an appendix of team members' resumes and letters of commitment from partners.
- Proposals must not exceed 5 pages, excluding an appendix of team members' resumes and letters of commitment. Additional pages will not be reviewed.



Proposal Content and Review Criterion

The proposal should contain the following content, per the template:

1. Project Administrative Detail
2. Project Plan
3. Team and Resources
4. Proposed Project Timeline and Budget

The proposal will be evaluated based on the following merit review criterion:

1. Criterion 1: Project Plan and Approach (60%)
 - a. Approach and Work Plan
 - b. Metrics, Milestones, and Budget
2. Criterion 2: Team and Resources (40%)
 - a. Team Competency
 - b. Resources and Support



Merit Review and Selection Process

1. Initial Eligibility Review

Prior to a full merit evaluation, EERE will perform an initial eligibility review to determine that:

- The applicant is an eligible entity under this Lab Call;
- The information required by the Lab Call has been submitted;
- All mandatory requirements are satisfied; and
- The proposed project is responsive to the objectives of the Lab Call.

2. Merit Review

Proposals will undergo a thorough merit review process by reviewers internal to DOE.



How to Apply

- ~~Proposals must be submitted by email to CleanEnergyManufacturing@EE.doe.gov by 5:00 p.m. (ET) on July 26, 2016.~~
- Note: The instructions above were given in error, as indicated by the ~~strikethrough~~ text. Proposals should be submitted via EERE Exchange:
<https://eere-exchange.energy.gov/default.aspx#Foaldc326f5ce-739a-45bb-afbc-dbe9e896a9ef> **by 5:00 p.m. (ET) on July 26, 2016.**
- The Principal Investigator should receive an email acknowledging receipt of the proposal within 24 hours. Please contact Brenna.Krieger@EE.doe.gov if a receipt is not received.
- DOE will not review or consider proposals submitted through other means.



Questions

- Questions about this Lab Call? Email CleanEnergyManufacturing@EE.doe.gov
- All questions received at this inbox and during this webinar will be compiled, addressed, and posted on:
 - EERE Exchange:
<https://eere-exchange.energy.gov/default.aspx#Foaldc326f5ce-739a-45bb-afbc-dbe9e896a9ef>
 - Official website:
<http://energy.gov/eere/cemi/build4scale-manufacturing-training-curriculum-cleantech-entrepreneurs>
- A recording of this webinar will be made publically available on EERE exchange. For a link to the webinar, email CleanEnergyManufacturing@EE.doe.gov