



Microgrid Technologies Competition

Alaska Center for Microgrid Technologies Commercialization

A program supported by the U.S. Economic Development Administration, the Office of Naval Research, and ACEP

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Webinar #2 - August 21, 2017



ACEP
Alaska Center for Energy and Power



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FAIRBANKS

Meeting logistics

- All guest audio lines will be muted by the host during the presentations
- Questions should be posed via the Chat box in the meeting window, addressed to all participants
- If you have trouble, send a message to the host via the Chat box (if that doesn't work, email Asher at alsimmons3@alaska.edu)





Preparing your Application



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Key Dates for 2017

- ☑ Aug 2 - Statement of Interest
- ☑ Aug 4 - Webinar #1: Overview of Competition
- ☑ Aug 21 - Webinar #2: Application Criteria and Budget
acmtc.questions@alaska.edu
- ☐ Sept 1 - Submit Applications by 11:59 PM AKDT to
acmtc.competition@alaska.edu
- ☐ Nov 10 - Communication of results [tentative]



The Competition

- Objective: Accelerated development and availability of microgrid technologies
 - Consultation with Alaska-based experts
 - Technology & integration testing in PSI lab
- 3 **Technology Seed** awards – up to 125 hours (each)
- 1 or 2 **Microgrid Project** awards – up to 40 days total in PSI lab
- Total value: \$308,000 (no cash awards will be made)
- Awards based on recommendations from independent advisory team's review of application packages

Technology Seed award

- Research & Development support
 - Design reviews and consulting
 - Assistance with drafting, specification development, identification of necessary improvements, support of software development, interface specification, model development, etc.
- 125 hours of ACEP PSI team labor
- Maximum duration: 6 months



Microgrid Project award

- Provides access to ACEP PSI lab and staff for in-system consultation & testing
- 40 dedicated lab days to address:
 - R&D and review work
 - Re-tooling of PSI Lab & installation of awardee's equipment (cost of materials excluded)
 - Operation of lab for component / integration testing (PSI Lab equipment operated solely by ACEP Staff)
- Maximum duration: 12 months



The Application

- Application contents:
 - Technology, product, or service description
 - Project plan
 - Financial plan
 - Commercialization plan
 - Market analysis
- SBDC resources available to assist with development of application contents
- Email as PDF to acmtc.competition@alaska.edu no later than 11:59 PM (Alaska time) on **Sept 1, 2017**
- Application documents available at <http://bit.ly/ACMTC>

ACEP
Alaska Center for Energy and Power

Developing practical, cost-effective energy solutions for Alaska and beyond.

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Alaska Center for Microgrid Technologies Commercialization

The University of Alaska Fairbanks received a competitive i6 grant through the U.S. Economic Development Administration (EDA) to establish the Alaska Center for Microgrid Technologies Commercialization. An Office of Naval Research grant is also contributing funds to this competition.

About the EDA

The U.S. Economic Development Administration (EDA) aims to lead the federal economic development agenda by promoting competitiveness and preparing the nation's regions for growth and success in the worldwide economy. An agency within the U.S. Department of Commerce, EDA makes investments in economically distressed communities in order to create jobs for U.S. workers, promote American innovation, and accelerate long-term sustainable economic growth.

The Regional Innovation Strategies (RIS) program, run by the EDA's Office of Innovation and Entrepreneurship, is a new initiative designed to advance innovation and capacity-building activities in regions across the country through three different types of grants: i6 Challenge Grants, Cluster Grants for Seed Capital Funds, and Science and Research Park Development Grants.

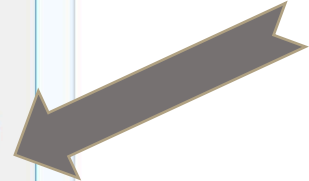
Microgrid Technologies Competition
View the [competition description](#).

Competition Information Webinars
August 4th, 2017 Webinar - Q&A
August 21st, 2017 Webinar - Q&A

ACMTC Proposal Submission Guide and Budget Worksheet
[ACMTC Proposal Guidelines](#)
[ACMTC Proposal Budget Worksheet](#)

bit.ly/ACMTC

Application Documents



Application Instructions Document

- Layout and Format
- Protected or sensitive materials
- Submission of proposal
- Content
 - Title page [Not to exceed 1 page]
 - Table of Contents [Not to exceed 1 page]
 - Main Proposal [Not to exceed 10 pages, including figures]
 - Commercialization Plan [Not to exceed 5 pages, including figures]
 - Appendices:
 - Letter of Commitment, Letter of Endorsement*, Project Budget, Statement of Qualification, Other*



ACMTC_Proposal_Budget_Worksheet_080417

Home Insert Page Layout Formulas Data Review View

Calibri (Body) 12

General

Conditional Formatting

Format as Table

Cell Styles

Cells

Editing

A40

	A	B	C	D	E	F	G
1	Company Name						
2	Project Title						
3	Point of Contact						
4		Request			Matching Contribution		
5	Total Award Man-Hours	125					
6	Total Man-Hours Requested	0			Total Match Man-Hours	0	
7	Additional Man-Hours Requested [1]	0					
8	Additional Request Cost [\$][2]	\$ -			Total Match Value [\$]	\$ -	
9							
10							
11	Task Breakdown						
12	Task 1 [INSERT TITLE][3]						
13	ACEP Man-Hours	0	Match Man-Hours		Match Value Labor [\$][4]	\$ -	
14	Task 2 [INSERT TITLE]						
15	ACEP Man-Hours		Match Man-Hours		Match Value Labor [\$]	\$ -	
16	Task 3 [INSERT TITLE]						
17	ACEP Man-Hours		Match Man-Hours		Match Value Labor [\$]	\$ -	
18	Task 4 [INSERT TITLE]						
19	ACEP Man-Hours		Match Man-Hours		Match Value Labor [\$]	\$ -	
20	Task 5 [INSERT TITLE]						
21	ACEP Man-Hours		Match Man-Hours		Match Value Labor [\$]	\$ -	
22	Task 6 [INSERT TITLE]						
23	ACEP Man-Hours		Match Man-Hours		Match Value Labor [\$]	\$ -	
24	Task 7 [INSERT TITLE]						
25	ACEP Man-Hours		Match Man-Hours		Match Value Labor [\$]	\$ -	
26	ADD ADDITIONAL TASKS IF NEEDED [8]						
27	Other Match						
28			Travel to Fairbanks (rt) [5]				
29			Flight origin		Flights [\$]		
30			Lodging number of days		Lodging [\$]	\$ -	
31			Per diem number of days		Per diem [\$]	\$ -	
32			Rental car number of days		Rental car [\$]	\$ -	
33			Personal vehicle miles [6]		Personal vehicle mileage [\$]	\$ -	
34							
35			Other resources [7]				
36			[Resource 1] per unit cost [\$]		[Resource 1] total [\$]	\$ -	
37			[Resource 2] per unit cost [\$]		[Resource 2] total [\$]	\$ -	

Technology Seed Award Grand Prize Award Fixed Value Comments +

Proposal Budget Worksheet



Application evaluation criteria (1/2)

- Positively impact microgrids by increasing technical efficiency, renewable contribution, and stability
- Consistent with technical and safety protocols
- Compatible with program budget & schedule
- Leads to commercialization
- Applicant provides supplemental resources
 - Matching funds - cash for additional ACEP staff time and/or lab time
 - In-kind awardee labor
 - In-kind hardware for integration of awardee equipment



Application evaluation criteria (2/2)

- Potential for large economic impact
 - Reduction of energy cost in remote microgrids
 - Creation of jobs in U.S. EDA Western Region (with preference on Alaska)
- Proof of concept, a prototype, and/or intellectual property ownership
- Business ownership and/or business plan
- Letter of endorsement from Alaska utility
- Physical presence in U.S. EDA Western Region





Questions?

- Please post all questions during the webinar via WebEx chat box.
 - Responses will be provided in real time when possible and posted at the program website.
- Post-webinar questions can be submitted via email to acmtc.questions@alaska.edu