

Limited Submissions Announcement

A limited submission opportunity is available from the Department of Energy and has been posted to the [UTSA Limited Submission Opportunities webpage](#).

[Department of Energy \(DOE\) Office of Energy Efficiency and Renewable Energy \(EERE\) Flexible Combined Heat and Power for Grid Reliability and Resiliency Program Overview:](#)

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy's (EERE) Advanced Manufacturing Office (AMO) seeks to conduct research and development activities to further the utilization of cost-effective, highly efficient combined heat and power (CHP). CHP is a suite of predominately gas-fired distributed generation technologies that produce both electricity and thermal energy onsite, thereby providing the user with more efficient and lower cost electricity while at the same time increasing site reliability and energy security. In addition, CHP can reduce line losses and strain on grid infrastructure. The promotion of CHP is part of the EERE mission to create and sustain American leadership in the transition to a strong and prosperous America powered by clean, domestic, affordable and secure energy for the industrial, manufacturing, commercial and multifamily sectors.

The AMO Multi-Year Program Plan (MYPP) 1 contains a section, 3.1.13 Combined Heat and Power (CHP) Systems, which describes the opportunities that CHP presents. Within AMO, CHP is the focus of both research and development (R&D) and Technical Partnership activities. As described in the MYPP, the R&D activities are focused on researching new CHP technologies that will enable development of advanced CHP systems that support U.S. economic competitive advantage, promote economic development, instill resiliency in businesses and communities, create and maintain local energy-related jobs, and provide sustainable solutions for modernizing energy generation and delivery. Through Technical Partnerships, AMO supports activities that validate and provide technical feedback on the performance of CHP systems and promote the use of combined heat and power.

The FOA includes two areas of interest:

Area of Interest 1 – Power Electronics and Control Systems: The objective of this Area of Interest is to research, develop, and test CHP components such as power electronics and control systems, needed to enable the cost-effective use of new and existing CHP systems to provide support to the grid.

Area of Interest 2 – Electricity Generation Components: The objective of this Area of Interest is to research and develop the electricity generation component of a 1-20 MWe CHP system.

In addition to addressing one of the above areas of interest, applicants must also demonstrate their plan for coordination with CHP Technical Assistance Partnerships/CHP Field Verifiers, state energy offices, or other entities to validate value to the grid of the proposed system capabilities in the field.

Eligibility:

For-profit entities, educational institutions, and nonprofits that are incorporated (or otherwise formed) under the laws of a particular State or territory of the United States are eligible to apply for funding as a Prime Recipient or Subrecipient.

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Application Limit and Award Amount:

Applicants may submit multiple Concept Papers but only one Full Application for each topic area of this FOA. This limitation does not prohibit an applicant from collaborating on other applications (e.g., as a potential Subrecipient or partner) so long as the entity is only listed as the prime applicant on one Concept Paper and one Full Application submitted for each topic area under this FOA.

Topic Area	Anticipated Maximum Award Size for Any One Individual Award (Federal Share)	Concept Paper Due Date	Submission Due Date (5:00pm Eastern)
Power Electronics and Control Systems	\$1,500,000	March 23, 2018	May 10, 2018
Electricity Generation Components	\$1,500,000	March 23, 2018	May 10, 2018

Application Process:

Multiple Concept Paper submissions are allowable for this solicitation. Therefore, all faculty that meet the eligibility and cost share requirements are allowed to submit a Concept Paper directly to [DOE EERE Exchange](#) by the March 23, 2018 deadline.

All faculty submitting a Concept Paper in response to this solicitation must also submit a Limited Submissions application by March 26, 2018. The Concept Paper you submitted to DOE will be accepted in lieu of the typical 5-page Limited Submissions application.

Cost Share Requirement:

As noted in the solicitation, this program requires a **20% cost share** of total allowable costs. For those who are not familiar, cost-sharing, generally, means that UTSA (or another eligible entity) is required to bear a portion of the project cost outside of the funding provided by the federal sponsor. The policy at UTSA is that this cost share commitment is shared between the VPR, the College(s) involved, and the Department(s) or other units involved. In this case, the VPR will commit to providing up to one-third (1/3) of the required cost share for your project and we do not need any documentation from you for this. We do, however, need for you to provide one or more memos from your College(s), Department(s) or other eligible sources that have agreed to support you in providing the remaining two-thirds (2/3) of the required cost share.

It is strongly recommended that you consult with your RSC to calculate and coordinate these commitments.

In order to have your pre-proposal considered for a full proposal submission, please submit the required memo(s) documenting cost share commitments no later than **11:59pm Central time on Monday, March 26**, along with your Limited Submissions application. If documentation for commitments is not received by this deadline your application will not be considered to move forward. *Suggested language for memos will be made available on the Limited Submissions website.*

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Timeline:

*Topic Area	Concept Paper Due to Funder	<u>Limited Submission Application Due</u>	Selection Notification	Proposal Due to Funder
Power Electronics and Control Systems Electricity Generation Components	March 23, 2018	March 26, 2018	April 11, 2018	May 10, 2018

* Topic area must be indicated on your limited submission application.

Questions? Please reference the [UTSA Limited Submissions website](#) or contact LimitedSubmissions@utsa.edu