

Grant Funding Opportunity from the California Energy Commission: Advance Breakthrough and Piezoelectric-Based Systems Development to Increase Market Penetration of Distributed Renewable Generation

Purpose: to fund applied research and development activities to advance breakthrough energy generation technologies and piezoelectric-based systems to dramatically increase efficiencies, reduce costs and enable generation from additional renewable resources.

Eligibility: open to all public and private entities and individuals with the exception of publicly-owned utilities. This solicitation includes two distinct applied research and development (ARD) focus project groups. Projects must fall within one of the following project groups:

Group 1: Advance Breakthroughs in Distributed Renewable Energy Technologies (\$3.4)

Technological breakthroughs are needed to make renewable systems highly competitive in the marketplace. This research area is focused on addressing and leveraging untapped localized resources for ARD breakthroughs that have potential for significant improvements in performance and costs. The cutting-edge technologies development can increase the value of renewable distributed generation (DG) and generate at greater efficiencies than currently feasible by making systems less complex and/or generating more power per unit of input.

Group 2: Development of Piezoelectric-Based Systems (\$3.5)

This initiative will advance electricity generation technologies and novel applications by taking advantage of the developments in piezoelectric materials and the availability of existing wasted mechanical energy to expand the generation of electricity from otherwise untapped resources.

Amount Available and Minimum/ Maximum Funding Amounts

There is up to \$7,000,000 available for grants awarded under this solicitation. The total, minimum, and maximum funding amounts for each project group are listed below. No match funding is required, although matching funds will score additional points during the second phase of scoring.

Project Group	Available Funding	Minimum Award Amount	Maximum Award Amount	Minimum Match Funding Amount	Estimated Number of Awards
Group 1: Breakthrough Technologies	\$5,000,000	\$350,000	\$2,000,000	\$0	3-6
Group 2: Piezoelectric-Based Systems	\$2,000,000	\$700,000	\$2,000,000		1-3

Due Date: Abstracts for Phase 1 are due September 9, 2016. Applications for Phase 2 are due November 18, 2016 (Note: applicant must pass screening in Phase 1 in order to be eligible to submit an application for Phase 2).