

Grant Funding Opportunity from the California Energy Commission: Addressing Air Quality and Environmental Impacts of Conventional and Emerging Electricity Sector Technologies in a Changing Climate

Purpose: to fund projects that will explore pathways to reduce the environmental, public health, and air quality impacts of electricity generation, distribution, and storage and improve overall resiliency of the electricity system. Additionally, funded projects will develop tools to inform projections of climate change impacts on the energy sector and analyze the energy efficiency and climate impacts of alternative refrigerants.

Eligible Facilities: open to all public and private entities and individuals with the exception of publicly-owned utilities.

There is up to \$5,200,000 available for grants awarded under this solicitation. The maximum funding amounts and the corresponding groups are listed below.

Project Group	Available Funding	Maximum Award Amount	Minimum Match Funding Amount
Group 1: Investigating the Impacts of “Lake Effect” from Solar Energy-Generating Facilities on Avian Behavior	\$500,000	\$500,000	\$0
Group 2: Headstart Mitigation Strategy for Desert Tortoises	\$500,000	\$500,000	\$0
Group 3: Net Atmospheric Greenhouse Gas Emissions from Forest-derived Woody Biomass and Field Residues Utilization for Energy Generation	\$1,000,000	\$1,000,000	\$0
Group 4: Characterization and Measurements of Particulate Matter from Cooling Towers and Plume Modeling	\$500,000	\$500,000	\$0
Group 5: Comprehensive Environmental Life Cycle Assessment of Emerging Energy Storage Systems to Identify Barriers and Solutions for their Utility-Scale Deployment	\$600,000	\$600,000	\$0
Group 6: Development of Hybrid Downscaling Techniques for Climate Scenario Modeling to Improve Projections for the Renewable Sources of Energy and Energy Infrastructure	\$1,400,000	\$1,400,000	\$0
Group 7: Investigating Alternative Refrigerants for Refrigeration and Space Conditioning	\$500,000	\$500,000	\$0

Due Date: Funding applications are due November 1, 2016.