



CLIMATE CHANGE RESEARCH PROGRAM



ROUND 2: LIST OF SUBMITTED RESEARCH PROPOSALS

Proposal Number	Organization Name	Principal Investigator	Research Innovation Field	Proposal Title	Amount Requested
2019CCR20001	Lawrence Berkeley National Laboratory	Hanna Breunig	Methane Reduction	Development and demonstration of transformative low-GHG high-value technologies for methane reduction at dairy farms	\$5,000,000
2019CCR20002	California Polytechnic University, San Luis Obispo	William Ahlgren	Heating, Cooling, and Thermal Storage	Cal Poly Climate Change Research Program	\$4,566,739
2019CCR20003	Lawrence Berkeley National Laboratory	Nihar Shah	Heating, Cooling, and Thermal Storage	Cooling, Heating, and Thermal Storage for Greenhouse Gas Reductions and Climate Adaptation	\$5,000,000
2019CCR20004	Regents of the University of California, Davis	Erfan Rasouli	Heating, Cooling, and Thermal Storage	Forging a Path to a Carbon-Free Future through Grid-Friendly Electric Heating and Cooling Innovations for Disadvantaged Communities	\$4,261,646
2019CCR20005	Regents of the University of California, Santa Cruz	Yishu Chen	Heating, Cooling, and Thermal Storage	Solar Energy Based Heating and Cooling for Climate Change Mitigation	\$4,189,079
2019CCR20006	Regents of the University of California, Berkeley	Therese Peffer	Heating, Cooling, and Thermal Storage	Decarbonized comfort: smart social, financial, and technical integration of heating, cooling, and ventilation in low income households	\$5,000,000
2019CCR20007	Regents of the University of California on behalf of the Office of the President	Benjamin Z. Houlton	Carbon Dioxide Removal	Working Lands Innovation Center – Catalyzing Negative Carbon Emissions	\$4,964,440
2019CCR20008	Carbon180	Matt Lucas	Carbon Dioxide Removal	New Carbon Economy Cluster	\$4,983,667
2019CCR20009	Point Reyes Bird Observatory dba Point Blue Conservation Science	Chelsea Carey	Carbon Dioxide Removal	Developing and deploying nature-based technologies for carbon removal on California's working lands	\$4,559,509
2019CCR20010	Regents of the University of California on behalf of the Office of the President	Gaurav N. Sant	Carbon Dioxide Removal	California Collaborative for Climate Change Solutions: Innovation Center for Transformative Carbon Dioxide Removal and Utilization Technologies	\$5,000,000
2019CCR20011	San Jose State University Research Foundation	Ross Clark	Methane Reduction	Seafeeds – Achieving statewide methane reductions with seaweed feed additives for ruminant livestock	\$4,999,999
2019CCR20012	University of California, Agriculture and Natural Resources	Gabriel Youtsey	Carbon Dioxide Removal	Development and Commercialization of Next Generation Technologies for Large-Scale Drying of Agricultural Products	\$1,577,750
2019CCR20013	Electric Power Research Institute	Sara Beaini	Heating, Cooling, and Thermal Storage	Innovative Low-GHG Residential Space Conditioning Technologies	\$4,999,304
2019CCR20014	Regents of the University of California, Merced	Gerardo C. Diaz	Methane Reduction	Mobile Biochar Production for Methane Emission Reduction and Soil Amendment	\$3,203,615
2019CCR20015	Stanford University	David Lobell	Methane Reduction	Evaluation of a Macroalgae Additive to Effect Full Achievement of SB-1383 Dairy Methane Emissions Reductions in California	\$3,088,188

Climate Change Research Program
Round 2: List of Submitted Research Proposals

Proposal Number	Organization Name	Principal Investigator	Research Innovation Field	Proposal Title	Amount Requested
2019CCR20016	Regents of the University of California, Los Angeles	Qibing Pei	Heating, Cooling, and Thermal Storage	Development of Distributed Air Conditioning and Waste Heat Capture Technologies that Reduce GHG Emissions and Benefit Disadvantaged Communities	\$4,137,382
2019CCR20017	Regents of the University of California, Riverside-Elders	Wilfred Elders	Heating, Cooling, and Thermal Storage	Reducing GHG Emissions while making Geothermal Power more cost competitive, and providing low-cost District Heating/Cooling in the Imperial Valley	\$4,608,796
2019CCR20018	San Diego State University Research Foundation	Christine Dykstra	Methane Reduction	A Hybrid Anaerobic Digester Design to Increase Biomethane Capture at California's Dairy Farms	\$4,984,106
2019CCR20019	University of Southern California	William D. Leach	Methane Reduction	Ocean Farming Technologies to Reduce Dairy Methane Emissions, Sequester Carbon, and Grow California's Blue-Green Economy	\$4,805,797
2019CCR20020	California State University Bakersfield Auxiliary for Sponsored Programs Adm	Alan Fuchs	Methane Reduction	Methane Reduction: Highly Stable Fuel Cells Using Biohydrogen from Biowaste	\$3,326,587
2019CCR20021	Regents of the University of California, Irvine	Michael L. Goulden	Carbon Dioxide Removal	Innovation Center for Advancing Ecosystem Climate Solutions	\$4,851,556
2019CCR20022	University of California, Agricultural and Natural Resources	Daniel Sanchez	Carbon Dioxide Removal	University of California Hybrid Carbon Dioxide Removal Accelerator	\$3,000,000
2019CCR20023	University of California, Irvine Advanced Power and Energy Program	Jeffrey Reed	Carbon Dioxide Removal	Assessment, Optimization, and Demonstration of Carbon-Negative Biomass-to-Energy Systems for Atmospheric Carbon-dioxide Removal	\$4,229,560
2019CCR20024	Electric Power Research Institute	Sudeshna Pabi	Heating, Cooling, and Thermal Storage	Demonstration of low-GHG heating, cooling, and thermal storage options for low-income disadvantaged communities	\$4,017,449

TOTAL REQUESTS FOR AWARD: 24 PROPOSALS \$ 103,355,169