CAL FIRE-CCI Forest Healh Research Program -- Grant Solicitation RP-RFP-2023-01 (FY 2023-2024)
List of applicants invited to submit a full proposal after concept proposal review

Project ID	Applying Organization & Principal Investigator	Project Title	Requested Funds	Research Project Type
60516330	Cal Poly Humboldt Sponsored Programs Foundation John-Pascal Berrill	Bringing Drought-tolerant Redwoods with Superior Growth and Wood Properties into Retail Nursery Production: Assessing Field Tests for Reforestation and Climate Adaptation	$260,992	Demonstration State Forest Research
60583188	UC Cooperative Extension Tori Norville	Developing surface fuel loading models for Coast Redwood mixed forests using the photoload sampling technique	$564,168	Demonstration State Forest Research
60386874	University of California Roger Bales	Valuing co-benefits of fuels treatments: water, wildfire, and resilience	$754,332	Demonstration State Forest Research
60118424	University of California, Berkeley Yihong Zhu	Assessing the effectiveness of prescribed fire: An empirical approach to quantify the trade-offs	$94,421	Graduate Student
60501278	University of California, Davis Sara Ludwick	Connecting Community Wildfire Protection Plans to Local Risk Drivers and Fuel Treatments	$100,000	Graduate Student
60517602	University of California Davis Tessa Putz	Exploring the Effects and Effectiveness of Pile Burning: A Review	$74,861	Graduate Student
60287912	University of California, Davis Frederik Strabo	Fuel Treatments, Externalities & Collective Action: How do Fuel Treatments on Public Lands Influence Private Landowners?	$98,222	Graduate Student
60577899	North Carolina State University Olakunle Sodiya	Identifying potential locations for expanded, reactivated and new wood processing facilities to improve financial prospects and prioritize wildfire risk mitigation funding in the Priority Investment Landscapes of California, United States	$99,758	Graduate Student
60342412	University of California, Santa Cruz Elizabeth Rennie	Mixed-method approach to non-invasively detect wildfire damage and decay on redwood and Douglas-fir	$100,000	Graduate Student
60471423	University of California, Santa Barbara Joe Celebrezze	Using multispectral, climatic, and topographic data to map vegetation dynamics following high severity wildfire	$100,000	Graduate Student
60351035	Upper Mokelumne River Watershed Authority Megan Layhee	Development and implementation of a long-term monitoring effort for a landscape-scale forest health and ecosystem resilience project in the Central Sierra Nevada	$245,861	Special Topics Research
60566728	California Academy of Sciences Durrell Kapan	Evaluating Biodiversity Metrics for California Forests: A Framework for Resilience	$250,000	Special Topics Research
60246854	San Mateo Resource Conservation District David Cowman	Optimizing and Scaling Standardized Forest Treatment and Disturbance Monitoring in the Coast Redwood Region	$249,956	Special Topics Research
60520091	California State University Monterey Bay Adam Purdy	Delivering live fuel moisture content to improve fire risk assessment and support risk mitigation activities	$641,649	Synthesis and Tool Development

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60498195	University of California, Davis Andrea Duane	Improving coarse woody debris consumption modeling for better smoke and emission estimation in current Californian fires	$300,000	Synthesis and Tool Development
60601957	US Forest Service - Pacific Southwest Research Patricia Manley	Moving from treatment outputs to outcomes: A scientifically robust method and demonstration for quantifying risk reduction and improvement to ecosystem resources across landscapes in California	$565,000	Synthesis and Tool Development
60469164	Conservation Biology Institute James Strittholt	Operationalizing GTR-270 Ecological Restoration Principles	$508,850	Synthesis and Tool Development
60507769	California Polytechnic State University-San Luis Obispo Stewart Wilson	Using Artificial Intelligence to Map Soil Burn Severity: Decision Support Tools for Postfire Assessment	$709,793	Synthesis and Tool Development
60567585	San Jose State University Research Foundation Ali Tohidi	Advancing Wildland-Urban-Interface (WUI) Fire Risk Modeling Using 3D Physics- Based High-Resolution Simulations	$662,721	Wildfire and Forest Research (General)
60382377	Utah State University Brendan Murphy	Burn severity, runoff response, and pre-fire assessments for California watersheds	$750,000	Wildfire and Forest Research (General)
60445365	Board of Regents NSHE obo the Desert Research Institute Timothy Brown	CANSAC Fire Weather Forecast Evaluation and Fire-Atmospheric Coupled Model (WRF-SFIRE) Application for Hazardous Wildfire and Prescribed Fire Decision-Making	$750,000	Wildfire and Forest Research (General)
60164685	University of California, Santa Barbara Leander Anderegg	Defining the mechanisms of recruitment limitation following high severity wildfire to predict California conifer forest resilience in an altered climate	$744,000	Wildfire and Forest Research (General)
60567454	Oregon State University David Lewis	Estimating the economic benefits of fuel treatments on nearby private land	$313,985	Wildfire and Forest Research (General)
60517610	Cal Poly Humboldt Lucy Kerhoulas	Forest Responses to Wildfire and Drought in a Conifer Diversity Hotspot	$500,000	Wildfire and Forest Research (General)
60380365	University of Washington Van R. Kane	From trees to ecoregion: A synoptic integrated remote sensing and FIA assessment of forest risk and opportunities for increased resilience across the Sierra Nevada	$131,807	Wildfire and Forest Research (General)
60503657	University of Idaho Jessica Miesel	How do environmental characteristics and climate influence fuel treatment effectiveness in mixed-conifer forests?	$523,500	Wildfire and Forest Research (General)
60425988	University of California, Davis Yufang Jin	Improved prediction of wildfire behavior along the wildland-WUI continuum under extreme weather: large scale synthesis toward fire resilient ecosystems and communities	$575,921	Wildfire and Forest Research (General)
60572667	Colorado State University Anthony Vorster	Improving Carbon Estimation in Coast Redwood Forests: A Multi-Scale Assessment of Management and Wildfire Impacts on Forest Carbon	$710,077	Wildfire and Forest Research (General)
60510044	University of Washington Susan Prichard	Improving characterizations of fire severity in reburned areas and non-conifer systems using repeated field surveys and lidar metrics	$344,200	Wildfire and Forest Research (General)

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58974119	San Jose State University Research Foundation Craig Clements	Improving Extreme Fire Weather Prediction Using a Fire Weather Wind Profiling Network	$486,064	Wildfire and Forest Research (General)
60518799	University of California, DAVIS Joseph Stewart	Improving Predictive Models of Natural Postfire Conifer Regeneration to Align with their Current use for Statewide Reforestation Decision Support	$386,589	Wildfire and Forest Research (General)
59319192	University of California, Merced John Abatzoglou	Machine Learning Modeling of Fire Impacts on California's Water Resources	$730,000	Wildfire and Forest Research (General)
60182115	University of California, Davis Malcolm North	Post-wildfire resilient reforestation	$400,000	Wildfire and Forest Research (General)
60418000	The Regents of the University of California Lara Kueppers	Projecting interactions between restored fire regimes and future climate in California's oak woodlands	$411,500	Wildfire and Forest Research (General)
60598312	University of California, Berkeley John Battles	Quantifying fuel across multiple spatial scales and its impact on wildfire behavior and severity in California forests	$541,154	Wildfire and Forest Research (General)
60502740	University of California, Santa Barbara Carla D'Antonio	Restoration as an ignition reduction tool in the wildland urban interface	$728,612	Wildfire and Forest Research (General)
60494599	San Jose State University Research Foundation Julia Gaudinski	The combined effects of wildfire and post-fire fuels management on biodiversity and carbon storage	$398,833	Wildfire and Forest Research (General)
60515898	TreePeople David Pineda	TreePeople Climate-Adaptive Post-Fire Oak Restoration through Assisted Migration and Seed Provenance in the Angeles National Forest	$378,030	Wildfire and Forest Research (General)
60566976	Colorado State University Stephanie Kampf	Wildfire impacts on snow and streamflow at watershed to regional scale	$656,724	Wildfire and Forest Research (General)
Number of Applicants Invited to Submit a Full Proposal: 39			**Total Funding Requested (Full Proposal Phase): $16,841,580**	