California State Coastal Conservancy

Climate Ready Round 5:
Nature-Based Solutions for Climate Adaptation

Submitted Applications

Project Title	Applicant	Amount Requested	Benefits Priority Populations	Project Location	Project Summary
A Resilient Ormond Beach for the 21st Century	The Nature Conservancy	$521,791	Yes	Oxnard	The Ormond Beach complex represents one of the region's few intact and contiguous ecosystems of dunes, wetlands, and uplands. It is considered by wetland experts to be the most important wetland restoration opportunity in southern California. It is located in the City of Oxnard, a designated disadvantaged and low-income community, and its conservation and restoration is critical to enhancing quality of life and coastal access for residents in this community. This important stretch of coastline is vulnerable to sea level rise and coastal erosion. A powerful collaboration of partners are working toward a unified vision of conservation, enhanced access and climate change adaptation for Ormond Beach and the surrounding area. The proposal supports technical studies for the restoration of Ormond Beach, community outreach and education, a long-term management plan, and a scoping study to remove the power plant and restore the wetland.
Carbon Farm Planning, Implementation, and Education in Alameda County Farms, Vineyards and Rangelands	Alameda County Resource Conservation District	$343,961	No	Alameda County	The proposed project, Carbon Farm Planning, Implementation and Education in Alameda County Farms, Vineyards and Rangelands (Project), will implement a suite of site-specific management practices that sequester carbon and/or reduce atmospheric greenhouse gas (GHG) emissions. Sites will include natural and working lands representing the three main types of agriculture in Alameda County: farms, vineyards and rangelands. Practices may include compost application, cover-cropping, hedgerow plantings, and riparian and oak woodland restoration. Carbon-beneficial practices on a specific property will be selected and evaluated via the creation of a Carbon Farm Plan (CFP) developed using COMET-Planner and Compost-Planner, state-of-the-art carbon sequestration and greenhouse gas emissions analysis tools.
Carbon Farming for Climate Resiliency	Resource Conservation District of Santa Cruz County	$172,336	Yes	Santa Cruz and San Mateo Counties	The Resource Conservation Districts of Santa Cruz County (RCDSCC) and San Mateo County (RCDSMC) will work with growers and ranchers in low income and disadvantaged communities within these two Counties to develop and implement Carbon Farm Plans (CFPs), which identify practical opportunities for carbon sequestration and reduction of greenhouse gas (GHG) emissions on their land.
Carbon Sink Demonstration Farm at Pauma Tribal Farms	Pauma Band of Luiseno Indians	$197,681	No	Pauma Valley	The Carbon Sink Demonstration Farm will connect healthy food production systems and climate action to become a hub for innovation, education, and building a more climate-friendly region. Climate Ready funds will build upon state and federal conservation programs to implement a suite of carbon sink farming practices at Pauma Tribal Farms that sequester GHGs, conserve water, and build resiliency. With tangible evidence of the benefits of carbon farming, the project will energize local climate action planning in the San Luis Rey Watershed through farmer education, consumer education, interactive site visits and advocacy.
Carr Lake Park and Wetland Planning	Big Sur Land Trust	$488,760	Yes	Salinas	The Carr Lake project transforms a portion of Carr Lake in Salinas, California to an urban park and green space for the local community that also provides multiple natural resources benefits. This grant will move Big Sur Land Trust into the next project phase which includes site design, environmental review, permitting, monitoring, community engagement, and project management in order to complete the planning phase necessary before project construction.
Community-Based Ecological Solutions in Rheem Creek Watershed	American Rivers	$274,515	Yes	Richmond and San Pablo	The overall goal of this project is to use nature-based solutions to improve ecological function of the Rheem Creek watershed while reducing flood risk, sequestering carbon, enhancing green space, and providing recreation and education opportunities for low-income and disadvantaged communities.

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Confluence Regional Water Resource Project	Chino Basin Water Conservation District	$200,000	Yes	San Bernardino	Development of a multi-purpose, multi-benefit project that includes a park situated within a disadvantaged community to improve ecological function by developing nature-based solutions for stormwater treatment; offset energy costs & vulnerability risks associated with imported water; reduce urban heat island effect & improve air quality through plantings & water feature; utilize renewable energy sources to convey water to regional groundwater recharge facilities; enhance regional resilience to projected climatological changes; increase local public open spaces for active transportation; provide opportunities for scientific research and development.
Cooling Our Communities: Heat Preparedness Program	Alameda County Community Development Agency	$162,400	Yes	Alameda County	The Cooling Our Communities: Heat Preparedness Program will help prepare the community for and create resilience against extreme heat events in the short and long term. This will be achieved through community engagement, provision of preparedness resources and information, and guidance and provision of trees for tree planting, as tree canopies are a key strategy for “cooling” neighborhoods and infrastructure by providing shade and sequestering carbon.
Huntington Park Greenway Project	City of Huntington Park, Department of Parks and Recreation	$1,200,000	Yes	Huntington Park	The City of Huntington Park is working on the implementation of a new six-acre park and 0.5 non-motorized urban trail, enhancing currently inaccessible public space within a disadvantaged and critically undeserved community southeast of Los Angeles. Permeable paving, bioswales,and climate tolerant vegetation will capture and treat 6.625 acre feet of stormwater. The planting of 220 trees is projected to result in carbon storage of 64.79 MT CO2e over 40 years. The 0.5 mile bike path will result in 216.80 MT CO2e in avoided GHG's.
Informing Coastal Resilience Strategies in Imperial Beach	UCSD-Scripps Institution of Oceanography, Center for Climate Change Impacts & Adaptation	$332,629	Yes	Imperial Beach	This project will develop wave, beach and estuary dynamic models specific to Imperial Beach and the Tijuana River Estuary to inform how sea level rise adaptation strategies in Imperial Beach could perform or affect the estuary and other coastal resources.
Living Shorelines for Tomales Bay – Feasibility Study	Marin County Community Development Agency	$220,000	Yes	Tomales Bay and its shoreline	Sea level rise and intensified storms in Tomales Bay, running between the Point Reyes National Seashore and California Highway 1, pose growing threats to recreation, habitat, infrastructure and coastal communities. Through collaborative interagency work, this pilot project will assess the feasibility of applying different living shoreline and other nature based adaptations as multi-beneficial projects which provide habitat, flood protection, carbon sequestration, and more.
Long Beach Water Department (LBWD) Direct Install Garden (DIG) Program for Disadvantaged Communities	Long Beach Water Department (LBWD)	$236,387.50	Yes	Long Beach	The Direct Install Garden (DIG) Program (Project) is a multi-benefit Project that provides watershed, economic, and capacity-building benefits to DACs. Specifically, the Project objectives are: (1) restore urban watershed health by installing drought tolerant plants with efficient irrigations systems, (2) increase resiliency to climate change through expanding the urban forest in the City of Long Beach, and (3) engage members of DACs with jobs, job training, education, and community beautification.
Los Angeles Living Shoreline Project	Santa Monica Bay Restoration Foundation (d.b.a. The Bay Foundation)	$484,793	Yes	Dockweiler Beach and directly offshore	The Los Angeles Living Shoreline Project aims to increase the resiliency of the shoreline through the restoration of sandy beach, bluff, and seagrass habitat. The synergistic combination of restoring coastal strand and eelgrass will provide an important regional demonstration towards “soft-scape” approaches that increase coastal resiliency. This project will provide enhanced ecosystem services to the community including food production, water quality improvement, carbon sequestration, shoreline and sediment stabilization, and storm protection. In addition to reducing coastal hazards, protecting nesting birds, and providing fisheries habitat, this project will encourage nature-based tourism and increase community awareness of living shorelines while still allowing all other existing recreational uses.

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Markham Elementary Living Schoolyard Demonstration Project	The Trust for Public Land	$723,700	Yes	Oakland	The Markham Elementary Living Schoolyard Demonstration Project (Project) will transform an asphalt covered schoolyard in a dense and low income community into a green and shaded parklike environment. The Project will include extensive asphalt removal, tree planting, establishment of planted areas, and construction of shaded outdoor classrooms to provide environmental education opportunities. This demonstration project will expand on the Living Schoolyards for Oakland Initiative (Initiative) currently underway in the Oakland Unified School District (OUSD) and will make Markham a larger scale green schoolyard demonstration site for the District. The Initiative's Pilot Program received State Coastal Conservancy Prop 1 grant funding in 2017 to support community outreach, planning, master planning of five school sites (including Markham Elementary), and implementation of small improvements at each site. This Pilot Program represents Phase 1 for Markham Elementary and will be completed in 2019. The proposed project will represent a Phase 2.
Natural Park at Ramona Gardens Housing Development	Community Conservation Solutions	$798,725	Yes	Boyle Heights	Conduct Phase II-Technical Design for the Natural Park at the Ramona Gardens Housing Development in N. Boyle Heights a 'Nature in the City' park, using an ecosystem model to optimize carbon sequestration, reduce greenhouse gases and improve air quality. Integrates restored native habitat; walking trails; capture and re-use of urban runoff and stormwater for irrigation; multi-use plaza; natural play areas; and a nature-focused Anti-Pollution Green Buffer to reduce air and noise pollution from the adjacent 15-lane freeway and transit corridor.
Nature-based Solutions for the Next Generation	Point Blue Conservation Science	$505,602	No	San Benito County Historical Park and Calero County Park	Point Blue will use a nature-based solution to enhance climate adaptation in the South Bay by providing climate-smart, community-based restoration of 4,190 linear feet of degraded riparian (stream bank) zones in two South Bay public County Parks. This multi-benefit project will provide significant sequestered carbon as degraded riparian zones are restored, reduce flood risk to human communities, improve stream water quality, increase soil water infiltration and groundwater recharge, provide regular and ongoing educational opportunities for disadvantaged and low-income communities, and preserve access to public spaces. Restoration at our proposed sites will provide two core outcomes: (1) sequester approximately 6,239 tonnes of CO2e (1,056 tonnes of atmospheric carbon in soil and 5,183 tonnes in woody riparian vegetation) over 45 years as a result of our climate-smart planting practices and (2) engage nearly 1,300 K-12 students, parents and community members from disadvantaged and low-income communities in immersive, science-based education and restoration experiences.
Oranges to Oaks	Ojai Valley Land Conservancy (OVLC)	$298,357	Yes	Ventura River Preserve	The Ojai Valley Land Conservancy (OVLC) is seeking grant funding to restore 23 acres of an old orange grove to oak woodland habitat. This project has numerous benefits for the environment, community, and wildlife. The establishment of native coast live oak trees (Quercus agrifolia) will combat climate change impacts by reducing greenhouse gases through carbon sequestration. It will improve the health of the watershed, benefit wildlife, and improve air quality for the community.
San Fernando Green Streets - Calles Verdes	TreePeople	$400,000	Yes	San Fernando	The San Fernando Calles Verdes project aims to position the City of San Fernando as a model community for climate resilience. The project will significantly expand the urban tree canopy, promote urban cooling, absorb GHG emissions and improve air quality. In addition, the project will reduce polluted runoff and increase the local water supply. The project proposes to plant 750 California native trees throughout the City of San Fernando, with a focus on key pedestrian corridors, and to provide ongoing tree and plant care over the grant period to ensure establishment of healthy vegetation. In addition, the project will complete construction of strategic stormwater capture BMPs.

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South Los Angeles Urban Greening and Community Forestry Project	California Greenworks	$39,680	Yes	South Los Angeles	A tree planting project with a significant education / outreach component, located in disadvantaged communities. This project will directly benefit more than 3000 residents. This project will compliment the Metro Rail to River Corridor project which will improve the connectivity between South LA neighborhood through pedestrian and bike path expansion.
Taylor Yard G2 River Park – Environmental Documentation	City of Los Angeles Bureau of Engineering	$700,000	Yes	Los Angeles	The City of Los Angeles (City) is seeking a $700,000 grant for the Environmental Documentation Task for the Taylor Yard G2 River Park project. The park will bring nature into the City, respond sensitively to the unique local community and climate, create new linkages to upland areas, restore the environment, create natural habitat, protect and enhance water resources, provide significant new open space and recreation opportunities for a full range of users, and provide social, cultural, and environmental value to the region. The grant will support the planning and implementation work of the City and key partners in advancing the Project and components of associated projects as applicable.
Urban Farms Climate Change Project: Carbon Sequestration, Soil Health, and Air Quality in Alameda County Urban Farms	California State University, East Bay	$428,724	Yes	West Oakland	The Urban Farms Climate Change Project will address the intersection of climate change, climate adaptation and cities through three different goals: 1) Develop and implement Carbon Farm Plans (CFPs) in two urban farms to increase carbon sequestration capacity, 2) Quantify and study the benefits of CFPs on urban farm greenhouse gas budgets, soil carbon sequestration, soil health, and urban air quality, and 3) Increase adoption of practices that sequester carbon and use compost to improve soil and air quality on urban farms through outreach, education, and financial support. Each of these goals will help build resilient communities and take advantage of the unique opportunity to use urban landscapes for climate change mitigation.
Urban Water Strategy at the Villages at Cabrillo (The Villages)	Century Villages at Cabrillo (CVC)	$1,065,000	Yes	Long Beach	The Villages is located in an AB 1550 and an SB 435 community. CVC will remove existing irrigation lines and replace with above-ground bioretention areas with drought tolerant vegetation, thereby reducing water demand for the campus and increasing above-ground flood storage capacity. Additionally, CVC will remove and replace aging and corroded underground storm drain pipes to mitigate hazardous soil and groundwater from entering the storm drain system, which is tributary to the Dominguez Channel, a sensitive 303d water body.
Utilizing organic waste streams for sustainable food production	Center for Urban Agriculture at Fairview Gardens	$32,800	No	Goleta	We aim to create a local closed loop composting system that incorporates food waste, spent saturated coffee grounds, tree clippings, manure, and greywater systems to produce high-quality humus for application in organic good production systems.