

Natural and Working Lands Climate Smart Strategy

Appendix E: Comprehensive List of Existing State Efforts

April 22, 2022

Organization	Existing Effort	Short Description	Type of Effort
All	Ancestral Lands Policy	Governor Newsom's Ancestral Lands Policy calls for increased access and co-management of state lands and the return of state excess lands to tribal nations' ownership and control.	Policies and Regulations; Equity
All	Extreme Heat Action Plan	Nature-based solutions are one of four action tracks in the state's Extreme Heat Action Plan, which outlines established actions underway and recommends new actions to reduce heat risks and build the resilience of human and natural systems.	Strategies and Plans
All	Senate Bill (SB) 27 (Skinner, Chapter 237, Statutes of 2021)	Senate Bill (SB) 27 (Skinner, Chapter 237, Statutes of 2021) required CNRA to develop the Natural and Working Lands Climate Smart Strategy, and to establish a California Carbon Sequestration and Climate Resiliency Project Registry. The registry is intended to identify projects that drive climate action on California's natural and working lands seeking funding from state agencies or private entities. SB 27 also requires the California Air Resources Board (CARB) to establish carbon dioxide removal targets for 2030 and beyond as part of its Scoping Plan, considering the Natural and Working Lands Climate Smart Strategy, science-based data, cost-effectiveness, and technological feasibility in doing so.	Legislative Directives
All	Water Resilience Portfolio	The Water Resilience Portfolio is the blueprint for equipping California to cope with more extreme droughts and floods, rising temperatures, declining fish populations, over-reliance on groundwater and other challenges.	Strategies and Plans
All	Assembly Bill (AB) 1482 (Gordon, Chapter 603, Statutes of 2015)	AB 1482 recognized climate smart land management of our natural and working lands as a critical pillar of our state adaptation efforts.	Legislative Directives
All	Assembly Bill (AB) 2800 (Quirk, Chapter 580, Statutes of 2016)	AB 2800 requires state agencies to take into account the current and future impacts of climate change when planning, designing, building, operating, maintaining, and investing in state infrastructure.	Legislative Directives
All	Senate Bill (SB) 1386 (Walk, Chapter 545, Statutes of 2016)	SB 1386 declared protecting and managing natural and working lands as an important strategy in meeting greenhouse gas reduction goals a policy of the State, and required all State entities to consider this policy when carrying out activities related to the protection and management of natural and working lands.	Legislative Directives
Anti-Recidivism Coalition, CAL FIRE, California Department of Corrections, and California Conservation Corps	Ventura Training Center Wildland Fire Fighter Program	The Anti-Recidivism Coalition, CAL FIRE, California Department of Corrections, and California Conservation Corps support a joint collaborative to train former inmates to become wildland fire fighters, help implement prescribed fire projects, and provide targeted re-entry support at the Ventura Training Center.	Equity
Baldwin Hills Conservancy	Prop 1 Program	This grant program funds resource protection, habitat restoration, and urban greening projects in the Baldwin Hills area to achieve multiple goals including climate resilience, improved ecosystem health, biodiversity, groundwater recharge, and expanding public access.	Grant Funding
Baldwin Hills Conservancy	Prop 40 Program	The Prop 40 grant program funds acquisition of open space, development of park land, rehabilitation of park facilities, restoration of habitat, and protection of land and water resources in the Baldwin Hills area.	Grant Funding
Baldwin Hills Conservancy	Prop 68 Program	The Prop 68 grant program funds resource protection and restoration projects, vegetation management and fire safety projects, visitor serving development and improvement projects, community access, and education and interpretation projects.	Grant Funding
BCDC	Adapting to Rising Tides	The Adapting to Rising Tides program prepares vulnerability assessments and adaptation tools in collaboration with local governments, and other regional, state, and federal agencies. This research is not only directly useful but also is helping to provide model processes and tools to increase resilience.	Science, Research, Data, Analysis; Partnerships; Outreach, Education, Capacity and Technical Support
BCDC	Assembly Bill (AB) 2094 (DeSaulnier, Chapter 442, Statutes of 2008)	AB 2094 authorized BCDC to develop regional strategies to address rising sea level and other impacts of climate change, in coordination with local governments, and other agencies and interested parties	Legislative Directives; Partnerships
BCDC	Bay Resource Impact and Shoreline Development Permits	It is necessary to obtain a BCDC permit prior to undertaking work in the Bay or within 100 feet of the shoreline, including filling, dredging, dredged sediment disposal, shoreline development and other work.	Policies and Regulations
BCDC	Federal Consistency Determinations	Upon certification of a state's coastal management program, all federal agency activities (including federal development projects, permits and licenses, and assistance to state and local governments) affecting the coastal zone must be consistent with the enforceable policies of the state's certified program.	Policies and Regulations
BCDC	San Francisco Bay Plan	The BCDC San Francisco Bay Plan guides permit decisions, requires projects to be resilient to rising sea level to mid century and have an adaptive management strategy to end of century. The Bay Plan also calls for a regional strategy to address rising sea level that is prepared collaboratively with Bay Area entities. BCDC polices also require that projects and BCDC actions address social equity and environmental justice.	Strategies and Plans; Policies and Regulations; Equity
CA Conservation Corps	Targeted Conservation Programs	Through the California Conservation Corps (CCC), the State provides labor and workforce development and training opportunities for climate-smart land management-related professions. The CCC's forest health and resiliency corps members reduce overgrown and dying trees, plant trees, and build fire breaks. The CCC's watershed steward corps members improve watershed health through a variety of climate smart land management strategies.	Grant Funding; Partnerships
CAL FIRE	Assembly Bill (AB) 1530 (Gonzalez Fletcher, Chapter 720, Statutes of 2017)	The purpose of this legislation is to promote the use of urban forest resources to achieve multiple benefits in urban communities, such as addressing reducing greenhouse gas emissions, building climate resilience, and facilitating urban forestry job creation in disadvantaged communities.	Legislative Directives; Equity

Organization	Existing Effort	Short Description	Type of Effort
CAL FIRE	Assembly Bill (AB) 1550 (Gomez, Chapter 369, Statutes of 2016)	This bill required that a minimum of 25 percent of the funds generated by the Cap-and-Trade program fund projects located within, and benefiting individuals living in, disadvantaged communities. In addition to programs funded by Cap-and-Trade, many of the State's grant programs now include requirements or preference for projects that benefit disadvantaged communities, as well as requirements around community engagement.	Legislative Directives; Equity
CAL FIRE	Assembly Bill (AB) 398 (E. Garcia, Chapter 135, Statutes of 2017)	AB 398 prioritizes Healthy Forests for expenditures from the Greenhouse Gas Reduction Fund.	Legislative Directives
CAL FIRE	Burn Permits	During certain times of the year and in certain parts of the state, residential landscape debris burning of dead vegetation is allowed. However, burn permits may be required and during the dry months, CAL FIRE will suspend burning altogether.	Policies and Regulations
CAL FIRE	California Forest Improvement Program	California Forest Improvement Program encourages private and public investment in California forest lands and resources, including management planning, tree purchase and planting, timber stand improvement, habitat improvement, and land conservation practices.	Grant Funding; Leveraging Funding and Finance
CAL FIRE	Fire Prevention -- California Climate Investments	The Fire Prevention Grant Program aims to reduce the risk of wildland fires to habitable structures and communities, while maximizing carbon sequestration in healthy wildland habitat and minimizing the uncontrolled release of emissions emitted by wildfires.	Grant Funding
CAL FIRE	Forest Carbon Plan	The Forest Carbon Plan was published in 2018 with the overarching goal of securing California's forests as healthy, resilient net sinks of carbon that provide a range of ecosystem and societal benefits while reducing greenhouse gas and black carbon emissions associated with uncharacteristic wildfire events, tree mortality and other disturbances, as well as management activities and conversion.	Strategies and Plans
CAL FIRE	Forest Health -- California Climate Investments	The Forest Health Grant Program awards funds to implement landscape-scale land management projects that seek to proactively restore forest health and conserve working forests, protect upper watersheds, promote the long-term storage of carbon in forest trees and soils, minimize the loss of forest carbon from large wildfires, and further the State's climate goals.	Grant Funding
CAL FIRE	Forest Health Research -- California Climate Investments	The Forest Health Research Grant Program funds scientific studies that provide critical information and tools to support climate smart forest management.	Grant Funding; Science, Research, Data, Analysis
CAL FIRE	Forest Legacy Program	The Forest Legacy Program funds conservation easements and/or land acquisition in forests, so that forests continue to provide sustainable timber production, wildlife habitat, recreation opportunities, watershed protection, and open space.	Grant Funding
CAL FIRE	Fuel Reduction Crews	CAL FIRE Fuel Reduction Crews (FRC) are year-round hand crew resources staffed and supervised by CAL FIRE. Crews are equipped with chippers and can be paired with masticators to work on landscape scale management projects.	Science, Research, Data, Analysis; Partnerships; Grant Funding
CAL FIRE	Senate Bill (SB) 901 (Dodd, Chapter 626, Statutes of 2018)	Under SB 901, Working Forest Management Plans must include descriptions of long term management of the forest relative to its climate; the Forest Health program may fund climate adaptation; and CAL FIRE will support CARB in establishing a standardized system for quantifying the direct carbon emissions and decay from forest management and fuel reduction activities.	Legislative Directives
CAL FIRE	Timber Harvesting Plans	CAL FIRE enforces the laws that regulate logging on privately-owned lands in California. The Forest Practice Act was enacted to ensure that logging is done in a manner that will preserve and protect our fish, wildlife, forests and streams. The State Board of Forestry and Fire Protection enacts and enforces additional rules to protect these resources. The Timber Harvesting Plan (THP) is the environmental review documents submitted by landowners to CAL FIRE outlining what timber to harvest, how it will be harvested, and the steps that will be taken to prevent damage to the environment.	Policies and Regulations
CAL FIRE	Timber purchasing	This program was created because timber processing facilities are limited in California and finding outlets for timber killed by wildfire or fuels removed for forest resilience treatments is difficult for landowners recovering from disaster. CAL FIRE connects landowners with potential buyers to capture value in removed materials.	Market Mechanisms
CAL FIRE	Urban and Community Forestry	The Urban Forestry Program leads the effort to advance the development of sustainable urban and community forests to provide a multitude of benefits such as energy conservation, reduced storm-water runoff, improved air quality, extreme heat mitigation, carbon sequestration, and wildlife habitat.	Grant Funding
CAL FIRE	Vegetation Management Program	The VMP cost-sharing program allows private landowners to enter into a contract with CAL FIRE to increase the use of prescribed fire and mechanical means for addressing wildfire fuel hazards and other resource management issues on State Responsibility Area lands.	Leveraging Funding and Finance; Stewardship of State-Owned Lands; Partnerships; Grant Funding

Organization	Existing Effort	Short Description	Type of Effort
CAL FIRE	Demonstration Forests	CAL FIRE's Demonstration State Forests show how forests can be managed for multiple objectives at once—timber production, recreation, watershed protection and restoration. This is demonstrated through research projects and experimental harvest techniques that teach us more about how to balance the effects of management in dynamic forests. The Demonstration State Forests provide a unique set of circumstances for testing a variety of forest treatments in one location. The experiments and research conducted on state forests helps inform management practices for California's private forestland owners, who own 40% of California's forestland.	Stewardship of State-Owned Lands; Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CAL FIRE	Prescribed Fire Monitoring	FRAP's Prescribed Fire Monitoring program contracts with student-staffed field crews to monitor fuel loading, air quality, and effectiveness of prescribed fire projects.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
California Coastal Commission	2021-2025 Section 309 Assessment and Strategy	The Strategy describes Commission efforts to provide information and policy guidance that contribute to climate smart land management including guidance for adaptation to climate impacts such as wildfire and drought and guidance for local governments to reduce greenhouse gas emissions and support sustainable development and smart growth land use planning in LCPs. This strategy will also include an evaluation of whether updates are needed to any Commission regulations to facilitate implementation of sea level rise adaptation projects and in particular for nature-based adaptation strategies. This evaluation will inform development of policy guidance on protecting beaches and shoreline management options for implementing nature-based and phased adaptation approaches.	Strategies and Plans; Outreach, Education, Capacity and Technical Support; Science, Research, Data, Analysis
California Coastal Commission	California Coastal Act	The Coastal Act includes specific policies that address issues such as shoreline public access and recreation, lower cost visitor accommodations, terrestrial and marine habitat protection, visual resources, landform alteration, protection of open space, timber and agricultural lands, commercial fisheries, industrial uses, water quality, offshore oil and gas development, transportation, development design, power plants, ports, and public works.	Legislative Directives
California Coastal Commission	California's Critical Coastal Areas Program	This non-regulatory program aims to foster collaboration among local stakeholders and government agencies, to identify coastal watersheds with degraded water quality and to better coordinate efforts to protect high resource-value coastal waters from polluted runoff.	Partnerships; Science, Research, Data, Analysis
California Coastal Commission	Coastal Development Permits	Development within the coastal zone generally may not commence until a coastal development permit has been issued by either the Commission or a local government. The Coastal Act defines development broadly (with a few narrow exceptions), to include not only typical land development activities such as construction of buildings, but also changes in the intensity of use of land or water, even where no construction is involved.	Policies and Regulations
California Coastal Commission	Federal Consistency Determinations	Upon certification of a state's coastal management program, all federal agency activities (including federal development projects, permits and licenses, and assistance to state and local governments) affecting the coastal zone must be consistent with the enforceable policies of the state's certified program.	Policies and Regulations
California Coastal Commission	Local Coastal Program	The Local Coastal Program Local Assistance Grant Program provides funds to support local governments in completing or updating Local Coastal Programs consistent with the California Coastal Act, with special emphasis on planning for sea-level rise and climate change. The Coastal Act also emphasizes coastal resource protection, coastal access, and coastal agricultural land protection.	Grant Funding
California Coastal Commission	Local Coastal Program Certifications	Local Coastal Programs are basic planning tools used by local governments to guide development in the coastal zone. The LCPs specify appropriate location, type, and scale of new or changed uses of land and water. Prepared by local government, these programs govern decisions that determine the short- and long-term conservation and use of coastal resources. While each LCP reflects unique characteristics of individual local coastal communities, regional and statewide interests and concerns must also be addressed in conformity with Coastal Act goals and policies.	Policies and Regulations
California Coastal Commission	Whale Tail Competitive Grants Program	Whale Tail Grants fund projects addressing the California coast and its watersheds that may support experiential education, stewardship, and outdoor experiences for children and the general public, such as community beach maintenance and coastal habitat restoration projects.	Grant Funding; Outreach, Education, Capacity and Technical Support
California High-Speed Rail	Habitat Mitigation and Conservation	This project-aligned effort identifies mitigation lands.	Strategies and Plans
California High-Speed Rail	High-Speed Rail Climate Adaptation Plan	Through its Climate Adaptation Plan, California High-Speed Rail The Authority will design, build, and operate the high-speed rail system with climate change impacts in mind to ensure a "climate ready" high-speed rail system.	Strategies and Plans
California High-Speed Rail	High-Speed Rail Station Area and Site Planning	This effort involves design and planning coordination with local station communities; this process includes consideration of climate mitigation, adaptation and resilience measures (such as urban greening, low-impact development, and early site activation to catalyze community-based economic development) that can be included in the context of station delivery.	Strategies and Plans
California High-Speed Rail	HSR Infrastructure Vegetation Management Program	This applied practice incorporates native drought tolerant fire resistant landscaping to be used as defensible space along the high-speed rail alignment	Stewardship of State-Owned Lands
California High-Speed Rail	Infrastructure Design Standards for Climate Resilience	Using nature-based solutions and resilience strategies in the design and delivery of a range of infrastructure elements; design criteria also reference external frameworks such as RELI, SITES, and Envision.	Stewardship of State-Owned Lands
California High-Speed Rail	Zero-Net Construction Projects: Other	This effort will fund additional climate mitigation projects focused on nature based solutions that improve resilience in station areas and other communities along the alignment.	Grant Funding

Organization	Existing Effort	Short Description	Type of Effort
California High-Speed Rail	Zero-Net Construction Projects: Trees	The Authority, through an agreement with CAL FIRE, funded urban and rural (California Forest Improvement Program) tree planting projects.	Grant Funding
California State Lands Commission	Assembly Bill (AB) 691 (Muratsuchi, Chapter 592, Statutes of 2013)	AB 691 requires local trustees that manage state lands to prepare for sea level rise by assessing vulnerability to state lands and assets and describing potential adaptation strategies for their protection and resiliency. The Commission is analyzing the assessments and will provide recommendations to the state for ways to support implementing local measures to adapt and protect public trust lands, resources, assets, and uses.	Legislative Directives
California State Lands Commission	Forested School Lands	About 55,000 acres of Commission-owned school lands are forested. These lands need to be inventoried and potentially actively managed to increase forest health/reduce catastrophic wildfire, sequester and store carbon, and contribute to more resilient natural systems (i.e., stabilize soils and provide shade for healthier streams and rivers)	Stewardship of State-Owned Lands; Partnerships; Science, Research, Data, Analysis
California State Lands Commission	Land Management and Leasing/Permitting	All applications for permits and leases to use lands under the Commission's jurisdiction are evaluated for climate change considerations, and where applicable, terms relating to climate change and sea level rise are included as conditions of the leases/permits.	Policies and Regulations
California State Lands Commission	Restoration Project Management	The Commission helps to oversee the management and maintenance of coastal open space and habitats, including the Bolsa Chica Lowlands, Ballona Wetlands, and Batiquitos Lagoon. The Bolsa Chica Lowlands Restoration Project created or rehabilitated marine and wetland habitat in Orange County, restoring part of what had historically been a vast estuarine ecosystem. The Commission also manages leases related to preserves and ecological areas which can provide open space and act as a refuge from urban heat islands.	Partnerships; Equity; Policies and Regulations
California State Lands Commission, CDFW, Parks, and UC	CEQA Review (Trustee Agency)	A Trustee Agency is a State agency having jurisdiction by law over natural resources that are held in trust for the people of California, and which may be affected by a project. CDFW, California State Lands Commission, State Parks, and the University of California can be a Trustee Agency depending on the project and its location. This responsibility is exercised through consultation with the Lead Agency regarding the type of document to prepare, recommendations to the Lead Agency about the scope and content of information related to the Trustee's area of responsibility, and submission of comments on the CEQA document.	Policies and Regulations
California Water Commission	Water Storage Investment Program	Proposition 1 funds investments in the public benefits of specific water storage projects through the Water Storage Investment Program. Eligible projects must provide public benefits - ecosystem improvement, water quality improvement, flood control, emergency response, recreation - and provide measurable benefits to the Delta ecosystem or its tributaries.	Grant Funding
California Workforce Development Board	Community Revitalization and Ecosystem Workforce training program	The California Workforce Development Board's High Road Training Partnership Initiative is also supporting the development of the Community Revitalization and Ecosystem Workforce training program, in partnership with the Sierra Institute for Community and Environment, Calaveras Healthy Impact Solutions, and others. This program will create job training infrastructure to meet the demand for ecosystem restoration and land management in the Sierra Nevada region. This effort is focused on increasing the capacity of California Native American tribal crews in the region to utilize Traditional Knowledge; securing government contracts to perform restoration work on their native ancestral lands; and training workers to perform a variety of tasks in forest health and ecology, wildfire management and risk reduction, carbon sequestration, and other land management areas.	Partnerships; Equity
California Workforce Development Board	High Road Training Partnership Initiative	The HTRP is supporting the International Brotherhood of Electrical Workers 1245 and the California Nevada Joint Apprenticeship and Training Committee of the Line Construction Industry to train over 2,000 individuals through a new 18-month program to build a pipeline of much-needed certified tree trimmers in California. The program will mitigate wildfire risk, help prevent catastrophic loss of life, property and ecosystems, while increasing worker safety, job quality and wages.	Partnerships
California Workforce Development Board	High Road Vision	The California Workforce Development Board's (CWDB) High Road vision is a strategic and comprehensive state approach to jobs and training across climate and technology impacted industries. It relies on strong regional, industry sector-based partnership among management, workers, government, and community. The High Road vision includes, but is not limited to, the following components—job quality, equity, regionalism, and climate. The CWDB is responsible for developing standards, procedures, and criteria for defining high road employers, high road jobs, high road workforce development, and high road training partnerships (HTRPs) in California.	Strategies and Plans
CalOES/OPR	Adaptation Planning Guide	OPR and CalOES recently finalized a major update to the State's Adaptation Planning Guide, which supports climate adaptation planning efforts at local or regional scales. This Guide also supplements OPR's general plan guidance for climate adaptation planning requirements in the Safety Element.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support
CalRecycle	Community Composting for Green Spaces Grant Program	This program supports small-scale composting programs, environmental education, and compost-related job training in communities across California.	Grant Funding; Outreach, Education, Capacity, and Technical Support
Caltrans	Advanced Mitigation Program within the Division of Environmental Analysis	The Advance Mitigation Program is set up to address future potential impacts to natural resources (i.e. habitat loss) to resources related to future planned transportation projects.	Stewardship of State-Owned Lands
Caltrans	Landscape Architecture Program	The Landscape Architecture program applies compost and mulch along transportation infrastructure, as well as preserves existing highway roadside vegetation.	Stewardship of State-Owned Lands
Caltrans	Right-of-Way	The Department of Transportation's (Caltrans) owns and manages over 350,000 acres of right-of-way throughout the state.	Stewardship of State-Owned Lands

Organization	Existing Effort	Short Description	Type of Effort
Caltrans	\$8743 VMT mitigation	Caltrans' Transportation and Community Planning Program is working with partners towards developing a vehicle-miles traveled (VMT) mitigation and banking process based on transportation and land use impacts. This may lead to purchasing habitat conservation areas, wildlife corridors, and greenspaces in the future.	Market Mechanisms
Caltrans	SHC Section 156.1	Caltrans seeks to restore connectivity for threatened and endangered fish. The Fish Passage Program at Caltrans supports biodiversity efforts in salmonid and Steelhead recovery through continued inventory efforts and transportation infrastructure repair and replacement efforts by remediating fish passage barriers. Reporting and tracking related to the Fish Passage Program are prepared for the Legislature annually.	Legislative Directives; Stewardship of State-Owned Lands; Tracking Action and Measuring Outcomes
Caltrans	SP&R Part I and Sustainable Communities Planning Grants	These grants support climate smart land strategies through planning for Climate Ready Transportation.	Grant Funding; Science, Research, Data, Analysis
Caltrans	The Transportation and Community Planning Program	This program comments on local development proposals affecting the State Highway System and recommends mitigation that supports smart growth development patterns, conservation of our natural resources, and protection of the global commons.	Policies and Regulations
Caltrans	Transportation and Community Planning Program	This program is working with Universities and Partnering Agencies towards developing a vehicle miles traveled (VMT) mitigation and banking process(es) based on transportation and land use impacts. This may lead to purchasing habitat conservation areas, wildlife corridors and greenspaces in the future.	Science, Research, Data, Analysis; Partnerships; Leveraging Funding and Finance
CARB	Cap-and-Trade	The Cap-and-Trade program establishes a limit on major sources of greenhouse gas emissions and creates a powerful economic incentive for investment in cleaner, more efficient technologies. Regulated entities must surrender eligible compliance instruments to comply with their GHG emission surrender obligation. A regulated entity may use offset credits from one of the six approved compliance offset protocols for a small percentage of their compliance obligation (e.g., 4% of 2021 emissions). Through these protocols, projects are funded to sequester carbon on the landscape through forestry and urban forestry nature-based solutions. A third protocol, the rice cultivation protocol, aims to reduce methane emissions through nature-based solutions.	Market Mechanisms
CARB	GGRF/CCI Programs	Auction proceeds from the Cap-and-Trade program are appropriated by the Legislature into programs that achieve further GHG emissions reductions as well as economic, environmental, and public health benefits to Californians. These investments prioritize investing in disadvantaged communities, low-income communities, and low-income households. Programs are administered by dozens of State agencies, including CARB. CARB develops guidance, reporting requirements, and tools for all agencies implementing programs including calculators for quantifying GHG and co-benefits.	Market Mechanisms; Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CARB	NWL Inventory	A periodically updated inventory of ecosystem carbon stocks and change with attribution on terrestrial NWLs in California, maintained by CARB. This inventory will allow CARB to track long-term trends in carbon stocks & change, and progress towards carbon stock targets.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CARB	Research on NWL	CARB supports research efforts for natural and working lands, including research to better understand the: health benefits and impacts of natural and working lands management actions, health impacts from wildfire emissions, and the speciation of emissions from wildfire. CARB also supports research to further GHG measurement and modeling for soils, dairies/livestock, and other emissions sources and sinks.	Science, Research, Data, Analysis
CARB	Scoping Plan Update - Health Analysis	For the 2022 Scoping Plan update, CARB is collaborating with CDPH to analyze the health impacts and benefits associated with the State's climate and air quality programs, including for the natural and working lands sector.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes; Equity
CARB	Scoping Plan Update - NWL Targets	For the 2022 Scoping Plan update, CARB is assessing the role of NWLs in achieving the State's climate goals by considering opportunities to increase carbon sequestration and decrease emissions sources. The Scoping Plan will establish a target of how much carbon should be stored in NWLs by mid-century. The target will be informed by ecological modeling of various land management scenarios (UCM contract) and literature syntheses of BAU projections and management action outcomes on NWLs.	Policies and Regulations
CDFA	Alternative Manure Management Program	CDFA's Alternative Manure Management Program provides financial assistance for the implementation of non-digester manure management practices in California, which will result in reduced greenhouse gas emissions.	Grant Funding; Science, Research, Data, Analysis
CDFA	Climate Smart Agriculture International Webinars	Information sharing between nations with California climate analogues on climate change mitigation and adaptation	Partnerships; Science, Research, Data, Analysis
CDFA	Climate Smart Agriculture Technical Assistance	Technical assistance in the form of hands-on application assistance to farmers and ranchers is critical to the success of CDFA's Climate Smart Agriculture programs including the Healthy Soils Program, the State Water Efficiency and Enhancement Program and the Alternative Manure Management Program.	Grant Funding; Outreach, Education, Capacity and Technical Support
CDFA	Dairy Digester Research and Development Program	CDFA's Dairy Digester Research and Development Program provides financial assistance for the installation of dairy digesters in California, which will result in reduced greenhouse gas emissions.	Grant Funding; Science, Research, Data, Analysis
CDFA	Farmer-and Rancher-Led Climate Solutions	Listening sessions with agriculture stakeholders on Farmer-and Rancher-Led Climate Solutions per Executive Order N-82-20	Legislative Directives; Partnerships
CDFA	Fertilizer Research and Education Program	This Fertilizer Research and Education Program funds research, demonstration, and education projects related to the environmentally safe and agronomically sound use and handling of fertilizer materials. These projects center on three priority areas - Improving input management, Understanding soil-plant processes, and Characterizing loss pathways. All projects include an outreach requirement to facilitate farmer education.	Science, Research, Data, Analysis

Organization	Existing Effort	Short Description	Type of Effort
CDFA	Healthy Soils Initiative	The Healthy Soils Initiative is an interagency group convened by CDFA that identifies, prioritizes, and coordinates actions that will directly or indirectly increase the implementation of practices that improve soil health on California's natural and working lands. Improving soil health has a number of positive ecological benefits including sequestering carbon, increasing water holding capacity and resilience to drought, improving biodiversity, and ensuring a robust food supply chain.	Strategies and Plans; Partnerships; Tracking and Reporting; Policies and Regulations
CDFA	Healthy Soils Program	The Healthy Soils Program stems from the California Healthy Soils Initiative, a collaboration of state agencies and departments to promote the development of healthy soils on California's farmlands and ranchlands. The HSP has two components: the HSP Incentives Program and the HSP Demonstration Projects. The HSP Incentives Program provides financial assistance for implementation of conservation management that improve soil health, sequester carbon and reduce greenhouse gas (GHG) emissions. The HSP Demonstration Projects showcase California farmers and rancher's implementation of HSP practices.	Grant Funding; Science, Research, Data, Analysis
CDFA	On-Farm Compost Work Group	The On-Farm Compost Work Group is an interagency collaboration between 15 federal, state, and regional agencies. The group is committed to developing a regulatory pathway to address permitting challenges and create incentives to support on-farm composting of agricultural materials to decrease nutrient loading, reduce agricultural burning, and improve soil health.	Partnerships; Policies and Regulations; Outreach, Education, Capacity and Technical Support
CDFA	Partnership Framework for Investing in Healthy Soils	CDFA and CARB are working together to create a framework for public-private partnerships that invest in incentives for healthy soil management practice implementation.	Partnerships
CDFA	State Water Efficiency and Enhancement Program	The State Water Efficiency and Enhancement Program (SWEEP) provides financial assistance in the form of grants to implement irrigation systems that reduce greenhouse gases and save water on California agricultural operations. Eligible system components include (among others) soil moisture monitoring, drip systems, switching to low pressure irrigation systems, pump retrofits, variable frequency drives and installation of renewable energy to reduce on-farm water use and energy.	Grant Funding; Science, Research, Data, Analysis
CDFA	Climate Change Consortium for Specialty Crops	Formation of the Climate Change Consortium for Specialty Crops to identify solutions for climate change impacts to California's valuable specialty crop industry.	Partnerships; Science, Research, Data, Analysis
CDFW	Areas of Conservation Emphasis	Areas of Conservation Emphasis is a data-driven mapping and modeling effort that summarizes information about biodiversity, habitat importance, habitat connectivity, and climate resilience to help prioritize conservation efforts across the state.	Science, Research, Data, Analysis
CDFW	Big Game Management Account Grant Program	The Big Game Management Account Grant Program promotes programs and projects beneficial to big-game species in California.	Grant Funding
CDFW	Biodiversity-Climate Change Response Strategy	The Science Institute's climate program is developing a CDFW Biodiversity-Climate Change Response Strategy to inform adaptive management within CDFW-owned or managed areas by 2024.	Science, Research, Data, Analysis; Stewardship of State-Owned Lands; Strategies and Plans
CDFW	CA Biodiversity Day Bioblitzes	CDFW leads coordination of events to celebrate CA Biodiversity Day. Bioblitzes are one of the most popular citizen science activities, where people come together to identify as many species as possible in a specific area for a certain period of time. Through its partnership with the California Academy of Sciences, CDFW has been promoting the use of the Naturalist app in bioblitzes and encouraging its use as a tool for the general public to explore and document the biodiversity that they encounter. iNaturalist data have been used to document and study climate change.	Science, Research, Data, Analysis; Partnerships; Outreach, Education, Capacity and Technical Support
CDFW	CA State Wildlife Action Plan	The State Wildlife Action Plan is a comprehensive statewide assessment that incorporates climate change impacts and adaptation strategies to provide a prioritized set of conservation strategies and goals intended to guide resource management actions.	Strategies and Plans; Science, Research, Data; Tracking Action and Measuring Outcomes
CDFW	California Endangered Species Act Permits: Consistency Determinations	If a species is listed by both the federal Endangered Species Act and the California Endangered Species Act (CESA), an applicant who has obtained a federal incidental take statement or permit can request that the Director of CDFW find the federal documents consistent with CESA.	Policies and Regulations
CDFW	California Endangered Species Act Permits: Incidental Take Permits	Incidental Take Permits allow a permittee to take a CESA-listed species if such taking is incidental to, and not the purpose of, carrying out an otherwise lawful activity. Permittees must implement species-specific minimization and avoidance measures, and fully mitigate the impacts of the project.	Policies and Regulations
CDFW	California Endangered Species Act Permits: Safe Harbor Agreements	A Safe Harbor Agreement authorizes incidental take of a species listed as endangered, threatened, candidate, or a rare plant, if implementation of the agreement is reasonably expected to provide a net conservation benefit to the species, among other provisions. SHAs are intended to encourage landowners to voluntarily manage their lands to benefit CESA-listed species.	Policies and Regulations
CDFW	California Monitoring and Assessment Framework	This program monitors sentinel sites to identify watershed impacts resulting from cannabis cultivation and inform conservation of biodiversity.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes

Organization	Existing Effort	Short Description	Type of Effort
CDFW	California Oil Spill Study and Evaluation Program	The California Oil Spill Study and Evaluation Program provides a mechanism for investigating, evaluating, and improving applied Oil Spill Prevention and Response programs, best achievable technologies, and our knowledge of the adverse effects of oil spills in the marine environment.	Grant Funding; Science, Research, Data, Analysis
CDFW	California State Duck Stamp Project Grant Program	Majority of funds go towards wetland and associated upland habitat creation and enhancement on public managed land.	Grant Funding
CDFW	California Wetland Habitat Program	This is an incentive program for wetland and grassland conservation and enhancement on private lands.	Grant Funding
CDFW	California Winter Rice Habitat Improvement Program	The goal of the CA Winter Rice Habitat Improvement program is to enhance agricultural lands for wintering waterbirds.	Grant Funding
CDFW	Cannabis Restoration Grant Program	This program supports projects that will clean up, remediate, or restore habitat in watersheds impacted by cannabis cultivation or related activities.	Grant Funding
CDFW	Climate Resilient Lands Evaluation	The Science Institute's climate program is evaluating at least one third of CDFW-owned or managed areas for their levels of climate risk or resilience by 2023 to inform adaptive management.	Science, Research, Data, Analysis
CDFW	Endangered Species Conservation and Recovery Grant Program	In cooperation with the US Fish and Wildlife Service, this program directs funds to implement conservation projects for wildlife species listed as threatened, endangered, candidate, or recently recovered species under the federal endangered species act (ESA) on non-federal lands.	Grant Funding
CDFW	Endangered Species Conservation and Recovery Habitat Conservation Land Acquisition Grant Program	The Endangered Species Habitat Conservation Plan Land Acquisition (HCPLA) Grant Program provides funding for the acquisition of threatened and endangered species habitat in support of approved Habitat Conservation Plans.	Grant Funding
CDFW	Endangered Species Conservation and Recovery Habitat Conservation Planning Assistance Grant Program (Nontraditional Section 6)	This program provides funding for tasks necessary in the planning phase of a Habitat Conservation Plan, such as baseline surveys and inventories, preparation of planning and environmental documents, and outreach.	Grant Funding; Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CDFW	Endangered Species Conservation and Recovery Land Acquisition Grant Program	The Recovery Land Acquisition grant program is coordinated by CDFW and administered by the US Fish and Wildlife Service to fund projects that preserve threatened and endangered species habitat in areas identified in approved or draft species recovery plans.	Grant Funding
CDFW	Environmental Enhancement Fund	The Environmental Enhancement Fund grant program supports environmental enhancement projects located within or immediately adjacent to waters of the state. An enhancement project is a project that acquires habitat for preservation, or improves habitat quality and ecosystem function.	Grant Funding
CDFW	Fisheries Restoration Grant Program	The Program uses federal funds to support projects restoring anadromous salmon and steelhead habitat in coastal streams and watersheds in the Central Valley.	Grant Funding
CDFW	Grazing and Agricultural Leases	CDFW requires grazing and agricultural leases on its lands.	Policies and Regulations
CDFW	Habitat Restoration and Enhancement Act Approvals	The Habitat Restoration and Enhancement Act established a permitting process for landowners, state and local governments, and conservation organizations seeking to implement small-scale, voluntary habitat restoration projects throughout California.	Policies and Regulations
CDFW	Lake and Streambed Alteration Agreements	Lake and Streambed Alteration Agreements are needed for activities that divert or obstruct the natural flow of any river, stream, or lake; change the bed, channel, or bank of any river, stream, or lake; use material from any river, stream, or lake; or deposit or dispose of material into any river, stream, or lake.	Policies and Regulations
CDFW	Lands Program	CDFW conserves, manages, enhances, and restores over one million acres on 700+ properties, including wildlife areas and ecological reserves.	Stewardship of State-Owned Lands
CDFW	Marine Protected Areas	CDFW manages the State's network of 124 Marine Protected Areas that protect kelps and seagrasses.	Stewardship of State-Owned Lands
CDFW	Natural Community Conservation Planning Act Permit	A Natural Community Conservation Plan permit can authorize the take of species listed as endangered, threatened, candidate, or a rare plant, as well as non-listed species and fully protected species. Take can be authorized for those species covered by the Plan, which requires that their conservation is provided for. Plans are designed to be a landscape-scale approach to species permitting which results in a large and interconnected habitat reserve system while streamlining permitting for compatible projects.	Policies and Regulations
CDFW	Natural Community Conservation Planning Local Assistance Grant Program	This program provides state funds for urgent tasks associated with the implementation of approved Natural Community Conservation Plans anticipated to be approved within 12 months of grant application.	Grant Funding; Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CDFW	Nesting Bird Habitat Program	This program incentivizes nesting bird habitat on public and private lands.	Grant Funding
CDFW	Proposition 1 Delta Water Quality and Ecosystem Restoration Grant Program	This program provides funding in the Delta to implement the three broad objectives of the California Water Action Plan: more reliable water supplies, the restoration of important species and habitat, and a more resilient and sustainably managed water resources system.	Grant Funding

Organization	Existing Effort	Short Description	Type of Effort
CDFW	Proposition 1 Watershed Restoration Grant Program	This program provides funding outside of the Delta to implement the three broad objectives of the California Water Action Plan: more reliable water supplies, the restoration of important species and habitat, and a more resilient and sustainably managed water resources system.	Grant Funding
CDFW	Proposition 68 Habitat Restoration and Protection	This program provides funding to restore rivers and streams in support of fisheries and wildlife, including, but not limited to, reconnection of rivers with their flood plains, riparian restoration, and restoration and protection of upper watershed forests and meadow systems.	Grant Funding
CDFW	Proposition 68 Improve Conditions for Fish and Wildlife	This program provides funding for projects that improve conditions for fish and wildlife in streams, rivers, wildlife refuges, wetland habitat areas, and estuaries.	Grant Funding
CDFW	Proposition 68 Southern California Steelhead Habitat	This program provides funding for projects that restore Southern California Steelhead habitat.	Grant Funding
CDFW	Regional Conservation Investment Strategies Program	The Regional Conservation Investment Strategies Program is a voluntary and non-regulatory conservation assessment that includes a strategy for the conservation of focal species, their associated habitats, and the conservation status of the land base. These strategies can be used as a basis to provide advanced mitigation through the development of credits or to inform other conservation investments.	Science, Research, Data, Analysis
CDFW	Science Institute – Climate Change Science and Coordination	The climate program supports efforts to address the impacts of climate change on fish, wildlife, and plants by enhancing communication around this issue and developing materials and trainings for staff related to climate risks and adaptation.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support
CDFW	Science Institute - Climate-Biodiversity Sensor Network on State Lands/Waters	Climate sensors are being installed on selected CDFW lands alongside existing ecological sensors and/or monitoring programs to inform how climate variables affect biodiversity management targets over time. These ongoing data streams will be invaluable to ecological modeling and forecasting to inform adaptive management.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CDFW	Science Institute - Vulnerability assessments	This program prepares vulnerability assessments that determine which fish, wildlife, and plant species may be most vulnerable to climate change, and why. These assessments provide crucial information for conservation and adaptation planning.	Science, Research, Data, Analysis
CDFW	Scientific Collecting Permits	CDFW issues permits for the take or possession of wildlife, including mammals, birds and the nests and eggs thereof, reptiles, amphibians, fish, certain plants and invertebrates that are not CESA-listed for scientific, educational, and propagation purposes.	Policies and Regulations; Science, Research, Data, Analysis
CDFW	Special Use Permits	CDFW issues permits for special uses and activities on its lands.	Policies and Regulations
CDFW	State Wildlife Grant Program	The State Wildlife Grant Program provides federal grant funds to states for the development and implementation of programs for the benefit of wildlife and their habitat, including species that are not hunted or fished.	Grant Funding
CDFW	Statewide Connectivity Initiative	This is an initiative with Caltrans to address connectivity by identifying barrier locations where road crossings or other measures to facilitate wildlife movement could be implemented.	Partnerships; Science, Research, Data, Analysis
CDFW	Terrestrial Habitat Connectivity	This tool identifies essential corridors for habitat connectivity.	Science, Research, Data, Analysis
CDFW	Upland Game Bird Account Grant Program	This grant program promotes programs and projects beneficial to upland game bird species in California.	Grant Funding
CDFW	Vegetation Classification and Mapping Program and the California Natural Diversity Database	These programs develop statewide vegetation mapping and classification, and mapping of special status plants and animals to serve as a baseline for change detection, assessment of the effects of environmental change, and to inform conservation of biodiversity.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CDFW	Wetlands Restoration for Greenhouse Gas Reduction Grant Program	This program supports projects that provide greenhouse gas benefits while providing co-benefits such as enhancing fish and wildlife habitat, protecting and improving water quality and quantity, and helping California adapt to climate change.	Grant Funding
CDFW	Delta Conservation Framework	The Delta Conservation Framework is intended to serve as a comprehensive resource and guide for planning conservation in the Delta through 2050. The Framework provides a template for regional and stakeholder-led approaches to restoring ecosystem functions to the Delta landscape.	Outreach, Education, Capacity and Technical Support
CDPH	Climate Change & Health Equity Program	This program is conducting a literature review of the public health and health equity benefits associated with climate strategies for natural and working lands.	Science, Research, Data, Analysis; Equity
CEC, CDFW, California State Lands Commission, BLM, USFW	Desert Renewable Energy Conservation Plan	This plan identifies areas in the desert appropriate for the utility-scale development of wind, solar, and geothermal energy projects. It also provides for the long-term conservation and management of covered species and preserves the natural resources, recreational areas, and scenic values.	Strategies and Plans
Central Valley Flood Protection Board	Encroachment Permits	A Central Valley Flood Protection Board Encroachment Permit is required for every proposal or plan of work, encroachment or works of any kind within any area for which there is an Adopted Plan of Flood Control.	Policies and Regulations

Organization	Existing Effort	Short Description	Type of Effort
CNRA	Cultural, Community, and Natural Resources Program	This grant program funds a wide range of projects including those which enhance park, water, and natural resource values through improved recreation, tourism, and natural resource investments.	Grant Funding
CNRA	Cutting the Green Tape Initiative	This initiative is increasing the pace and scale of ecological restoration and stewardship by improving interagency coordination, partnerships, and agency processes and policies.	Policies and Regulations
CNRA	Environmental Enhancement & Mitigation	This annual program provides funding for projects that contribute to negative environmental impacts of transportation facilities, including urban forestry projects and land acquisition or enhancement projects.	Grant Funding
CNRA	Recreational Trails and Greenways Program	This program funds nonmotorized infrastructure development and enhancements that promote new or alternate access to parks, waterways, outdoor recreational pursuits, and forested or other natural environments to encourage health-related active transportation and opportunities for Californians to reconnect with nature.	Grant Funding
CNRA	Resources Agency Project Tracking and Reporting System	Resources Agency Project Tracking and Reporting (RAPTR) System is a forthcoming centralized project management and reporting system to aggregate project data and track the long-term success of CNRA-managed funding sources and projects.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CNRA	River Parkway Program	This program supports parkway projects such as trails and parks, creek restoration, and low-impact flood management projects that provide public access along rivers, streams, and creeks.	Grant Funding
CNRA	Shared Stewardship Agreement of California's Forests and Rangelands	The State of California and the U.S. Forest Service are implementing a Shared Stewardship Agreement signed in 2020 outlining a long-term, coordinated, and science-based forest management strategy. As the U.S. Forest Service manages 57 percent of California's forests for the public trust, this partnership is central to our climate smart forest management efforts.	Partnerships; Strategies and Plans
CNRA	Statewide Timberland Ecosystem Monitoring and Assessment	The Statewide Timberland Ecosystem Monitoring and Assessment Program will use science and data to track the health of California's forested ecosystems to understand how forest management and harvest practices impact forest health.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
CNRA	Urban Flood Protection Program	This program provides funding for the purposes of multi-benefit projects in urbanized areas to address flooding. Priorities include improving climate resilience through natural solutions.	Grant Funding
CNRA	Urban Greening Program	This program funds multi-benefit urban greening projects that reduce greenhouse gas emissions by sequestering carbon, decreasing energy consumption, and reducing vehicle miles traveled.	Grant Funding
CNRA	Urban Stormwater and Waterways Improvement Program	This program will fund projects that promote stormwater capture and storage or reduce stormwater protection.	Grant Funding
Coachella Valley Mountains Conservancy	Coachella Valley Open Space Acquisition Program	This program supports the acquisition of open space to protect wildlife resources and enhance recreational and educational use of that land.	Grant Funding
Coachella Valley Mountains Conservancy	Proposition 1 Grant Program	This program encourages three types of projects: land acquisition, watershed restoration projects, and infrastructure projects related to the improvement of water management structures to complement surrounding habitat values.	Grant Funding
Coachella Valley Mountains Conservancy	Proposition 68 Grant Program	This program provides grants for projects containing park facilities, recreational improvements that expand public access to conservation land or reduce environmental impacts that cause climate change.	Grant Funding
CPUC	Climate Adaptation Requirements for Utilities	Utilities are required to file climate vulnerability assessments looking at the effects climate impacts. The filings will become the basis by which utilities plan infrastructure investments.	Policies and Regulations
CPUC	Utility Wildfire Mitigation Plans	The utilities are required to file Wildfire Mitigation Plans to ensure electrical utilities are taking effective actions to reduce utility-related wildfire risk. Part of the requirements for wildfire mitigation is for the utilities to have plans and approaches for vegetation management to reduce the risk of wildfire ignition.	Policies and Regulations
Delta Conservancy	California Wetland Protocol	Re-saturating the highly organic peat soils stops microbial oxidation of the peat which causes subsidence and resulting CO2 emissions. The protocol quantifies the avoided carbon emissions resulting from conversion to rice cultivation or managed wetlands. It was adopted by the American Carbon Registry for use on the Voluntary Carbon Market. The California Air Resources Board Offset Taskforce report recommends adoption of the protocol into the Compliance Program.	Market Mechanisms
Delta Conservancy	Delta Carbon Management Program	The Delta Conservancy incentivizes landowners to convert to practices that reduce carbon emissions and land subsidence that result from oxidation of highly organic peat soils in the Delta.	Grant Funding; Market Mechanisms
Delta Conservancy	Delta Interagency Invasive Species Coordination Team	The Delta Interagency Invasive Species Coordination Team fosters collaboration and communication among state and federal agencies, researchers, conservation organizations, and other stakeholders to detect, prevent, and manage invasive species in the Sacramento-San Joaquin Delta.	Partnerships
Delta Conservancy	Proposition 1 Ecosystem Restoration and Water Quality Grant Program	Planning and implementation grants are available for ecosystem protection, restoration, and enhancement; water quality; and water-related agricultural sustainability projects.	Grant Funding
Delta Protection Commission	Land Use Appeals	State law includes a process for appealing any action taken by a local government or agency that is inconsistent with the Commission's Land Use and Resource Management Plan.	Policies and Regulations

Organization	Existing Effort	Short Description	Type of Effort
Delta Stewardship Council	Climate Change Research in the Delta	The Delta Stewardship Council funds scientific research in the Sacramento-San Joaquin Delta that: furthers our understanding of how climate change will impact the region's vulnerable communities and ecosystems; examines how different wetland restoration strategies promote carbon sequestration and affect greenhouse gas fluxes; and identifies hotspots of relative sea level rise and strategically target ameliorative land management actions.	Grant Funding; Science, Research, Data, Analysis
Delta Stewardship Council	Covered Actions, Certifications of Consistency, Appeals	The Sacramento-San Joaquin Delta Reform Act of 2009 (Delta Reform Act) established a certification process for demonstrating consistency with the Delta Plan. The Delta Reform Act requires any State or local agency proposing to undertake a qualifying action (covered action) must submit to the Council a written certification of consistency with detailed findings as to whether the covered action is consistent with the Delta Plan.	Policies and Regulations
Delta Stewardship Council	Delta Adapts	The Delta Stewardship Council working with partners to undertake a regional climate vulnerability assessment, and develop a regional climate adaptation plan for the Delta.	Science, Research, Data, Analysis; Partnerships; Strategies and Plans
Department of Conservation	California Farmland Conservancy Program	This program seeks to encourage the long-term, private stewardship of agricultural lands through planning, the voluntary use of agricultural conservation easements and improvements on the property that make agricultural more valuable.	Grant Funding; Leveraging Funding and Finance
Department of Conservation	California Geological Survey - Regional Geologic and Landslide Mapping Program	This program prepares maps to evaluate surface water recharge to groundwater aquifers; and inform groundwater management, seismic shaking potential, and post-wildfire flash flooding potential. In addition, landslide hazard maps are prepared for populated portions of the state.	Science, Research, Data, Analysis
Department of Conservation	Farmland Mapping & Monitoring Program	This program produces maps and statistical data used for analyzing impacts on California's agricultural resources. Agricultural land is rated according to soil quality and irrigation status; the best quality land is called Prime Farmland.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
Department of Conservation	Forest Health Watershed Coordinator Grants	This program improves watershed health by providing support for local, collaborative watershed improvement efforts.	Grant Funding; Partnerships
Department of Conservation	Natural and Working Lands Data Management	Providing direct support and leadership to the data platforms supporting the implementation of Executive Order N-82-20 as well as maximizing the benefit of agreements with collaborators from Federal and local sectors.	Science, Research, Data, Analysis
Department of Conservation	PRC Division 2, Chapter 2 § 2201.	The California Geological Survey shall carry out programs that will reduce the loss of life and property and protect the environment by mitigating geologic hazards, including hazard assessments, information and advisory services, emergency response to geologic hazards, and the operation of a clearinghouse for post-event earth science investigations. They Survey identifies state research needs, facilitates needed research, and expedites the application of new research results to public policy and all survey activities related to geologic hazards.	Legislative Directives; Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes; Outreach, Education, Capacity and Technical Support
Department of Conservation	Regional Forest and Fire Capacity - Regional Priority Plans	Regional block grantees are developing regional fire resilience priority plans that will identify priority projects need to reduce risk to fire and achieve broader natural and working lands benefits.	Grant Funding; Partnerships; Strategies and Plans
Department of Conservation	Regional Forest and Fire Capacity Program	This program increases regional capacity to prioritize, develop and implement projects that improve forest health and fire resilience.	Grant Funding; Outreach, Education, Capacity and Technical Support
Department of Conservation	Resource Conservation Districts Financial Assistance Program	This program helps Resource Conservation Districts build capacity by investing in the effectiveness and future sustainability of an organization.	Grant Funding; Outreach, Education, Capacity and Technical Support
Department of Conservation	SGMA Watershed Coordinator Plans	Watershed coordinators will be developing regional plans to increase groundwater sustainability through watershed scale actions.	Grant Funding; Science, Research, Data, Analysis; Strategies and Plans
Department of Conservation	TerraCount	TerraCount is a scenario planning tool for cities, counties, districts, and other land use planners and decision-makers that models the greenhouse gas and natural resource implications of different development patterns and management activities. TerraCount allows users to evaluate the application of management activities including agricultural activities, restoration activities, and avoided conversion, such as avoided conversion of agricultural land to development, to make climate-smart decisions.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support
Department of Conservation	Williamson Act Program	This program enables local governments to enter into contracts with private landowners for restricting specific parcels of land to agricultural or related open space use, in return for a substantially reduced property tax assessment.	Grant Funding; Leveraging Funding and Finance
Department of Conservation	Abandoned Mine Reclamation and Minerals Fund	This fund remediates hazardous legacy abandoned mines. Projects help to maintain natural pest control services that bats provide to California's working lands, reduce impacts on bats and wildlife that are affected by climate change, and sustain vibrant and diverse ecosystems.	Grant Funding
Department of Conservation	Agricultural Land Mitigation Program	Administered on behalf of the California High-Speed Rail Authority, this program establishes permanent agricultural conservation easements on land of similar acreage, location, and quality to that impacted by the rail project's alignment and maintenance facilities, compensating for the loss of 2,500 acres of important Farmland resulting from construction from San Jose to Bakersfield.	Grant Funding
Department of Conservation	Proposition 68 grant programs	This funding provides grants to protect, restore, or enhance working lands and riparian corridors through conservation easements or other conservation actions, and for watershed restoration and conservation projects on agricultural lands.	Grant Funding
Department of Conservation	Sustainable Agriculture Land Conservation Program - Acquisition Grants	The Sustainable Agricultural Lands Conservation Program supports the state's climate goals by making strategic investments to protect agricultural lands. The acquisition grants provide funding to leverage the protection of strategically located, highly productive, and critically threatened agricultural land, via the purchase of permanent agricultural conservation easements.	Grant Funding; Leveraging Funding and Finance; Equity
Department of Conservation	Sustainable Agriculture Land Conservation Program - Planning Grants	The Sustainable Agricultural Lands Conservation Program planning grants support the development and implementation of plans for the protection of agricultural land at risk of conversion to non-agricultural uses, maintaining the economic viability of the region's agricultural lands, and developing the economic viability of regional food systems.	Grant Funding; Science, Research, Data, Analysis; Equity

Organization	Existing Effort	Short Description	Type of Effort
Department of Conservation/Strategic Growth Council	Working Lands and Riparian Corridors Program Watershed Restoration Grants	These grants fund the restoration and enhancement of natural resources on agricultural lands and aim to improve climate adaptation and resilience by improving soil health, carbon sequestration, and habitat.	Grant Funding
Department of General Services	Management of State-Owned Buildings	The Department of General Services (DGS) manages a portfolio of 72 state-owned buildings totaling 20.2 million square feet across the state (2021). DGS is working to achieve carbon neutrality and increase infrastructure resiliency across state-owned buildings, supporting state agencies and departments to implement state sustainability initiatives.	Stewardship of State-Owned Lands
Department of Housing and Community Development	Assembly Bill (AB) 1010 (E. Garcia, Chapter 660, Statutes of 2019)	Assembly Bill (AB) 1010 (E. Garcia, Chapter 660, Statutes of 2019) provides greater tribal access to Department of Housing and Community Development programs. AB 1010 implementation focuses on improved relationships and expanding participation to tribes for funding programs that support land use, housing and related infrastructure.	Legislative Directives; Equity
Department of Housing and Community Development / Department of Fair Employment and Housing	Assembly Bill (AB) 686 (Santiago, Chapter 958, Statutes of 2018)	Assembly Bill (AB) 686 (Santiago, Chapter 958, Statutes of 2018) established the requirement to administer programs and activities relating to housing and community development in a manner that affirmatively furthers fair housing. This includes work to undue patterns of historical segregation, which have affected land use decisions, including some which spurred exurban development.	Legislative Directives; Equity
Department of Pesticide Regulation	Integrated Pest Management Grants Program: Alliance Grants	Alliance Grants bring together collaborative teams to encourage and assist growers, urban pest managers, school staff, and other interested parties to adopt promising and proven reduced-risk alternatives to conventional pest management practices.	Grant Funding; Partnerships
Department of Pesticide Regulation	Integrated Pest Management Grants Program: Pest Management Research Grants	This program provides grants to develop methods or practices that can be incorporated into an Integrated Pest Management system.	Grant Funding; Science, Research, Data, Analysis
Department of Pesticide Regulation	Mill Assessment on Pesticide Sales	As a part of the Governor's Jan 2021 budget, DPR proposed to adopt a tiered mill assessment, based on pesticide toxicity, to disincentive the use of higher toxicity products. Funds will be used to support integrated pest management, environmental monitoring and enforcement, and community engagement.	Market Mechanisms
Department of Pesticide Regulation	Pesticide Regulation's Endangered Species Custom Realtime Internet Bulletin Engine (PRESCRIBE)	The PRESCRIBE online database application was developed to help pesticide applicators find out if they have any endangered species in the vicinity of their application site, and the use limitations applicable to the pesticide product(s) they intend to use.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support
Department of Pesticide Regulation	Sustainable Pest Management Work Group	DPR, CDFA, and CalEPA are convening a small, professionally facilitated group to develop a prioritized roadmap to improve, promote, encourage acceptance and adoption of, and sustain implementation of safe, sustainable, system-wide, long-term strategies for pest management.	Partnerships; Strategies and Plans; Outreach, Education, Capacity and Technical Support
DWR	Agricultural Water Management Planning Act	The California Water Code requires certain agricultural water suppliers to prepare an agricultural water management plan. It requires a climate impact analysis and drought planning.	Legislative Directives
DWR	Agriculture & Urban Water Management Plans	Water agencies submit these plans to DWR. They must include consideration of water supply and reduced reliance on the Delta.	Strategies and Plans
DWR	Agriculture and Land Stewardship Framework	The Agriculture and Land Stewardship (ALS) Framework and Strategies were developed and based on input from local landowners and other local interests on what they would like to see considered by project proponents for projects that will affect agricultural land. ALS Strategies can be used by project proponents to work with local government and landowners to avoid or minimize impacts on agricultural land and operations, and to consider local and regional plans.	Partnerships; Strategies and Plans
DWR	Aquatic Monitoring Program	This program quantifies sustainable land use protection and resiliency to climate change by measuring fish response to restored habitats at Dutch Slough and along constructed multi-benefit setback levees with waterside habitat. The program will develop models to predict habitat use by native fish species to inform future levee and tidal restoration design.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
DWR	California EcoRestore	California EcoRestore is a multi-agency initiative, led by the Department of Water Resources to advance at least 30,000 acres of critical habitat restoration and enhancement in California's Central Valley including the Sacramento-San Joaquin Delta, Suisun Marsh, and Yolo Bypass region. By expanding the use of nature-based solutions, EcoRestore projects provide sea level rise accommodation, tidal and flood flow attenuation, and ground water recharge.	Partnerships
DWR	California Water Plan	The California Water Plan is the State's strategic plan for sustainably managing and developing water resources for current and future generations. It incorporates climate change information including numerous resource management strategies that can help regions adapt to climate vulnerability using nature-based land management strategies	Strategies and Plans; Science, Research, Data, Analysis
DWR	California's Groundwater (Bulletin 118)	Published every five years, California's Groundwater (Bulletin 118) is the State's official publication on the occurrence and nature of groundwater in California. The publication defines the groundwater basin boundaries and summarizes groundwater information for each of the State's 10 hydrologic regions. Currently the publication includes new information on emerging groundwater activities, such as water markets, the impacts of climate change on groundwater, and the economic value of groundwater.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
DWR	Central Valley Flood Protection Plan	The Central Valley Flood Protection Plan is updated every 5 years to account for the projected impacts of climate change to guide continued State investments in flood management in the Central Valley over a 30-yr horizon. The next update to the CVFPP is underway for 2022.	Partnerships; Strategies and Plans
DWR	Central Valley Tributaries Program	The program will fund multi-benefit flood risk reduction projects in the Central Valley that address flood risk for urban communities, small communities and/or rural areas; and enhance ecosystems by improving fish and wildlife habitat and water quality downstream.	Grant Funding
DWR	Climate vulnerability and adaptation watershed studies	DWR is conducting watershed climate vulnerability and adaptation studies for the Merced and Tuolumne rivers, and has requested funding for a watershed study for the Calaveras River. The multi-sector integrated toolset will be made available to the local agencies for planning, management, and operations of their surface and groundwater systems.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support

Organization	Existing Effort	Short Description	Type of Effort
DWR	Coastal Watershed Flood Risk Reduction Program	This program funds projects in coastal areas that focus on multi-benefit flood risk reduction. These projects address flood risk and public safety, enhance coastal ecosystems, and promote natural resources stewardship and public access corridors.	Grant Funding
DWR	Delta Levees Special Projects Program	This program funds multi-benefit levee projects in the Sacramento-San Joaquin Delta ensuring sustainable land use protection and resiliency to climate change while supporting waterside environmental benefits.	Grant Funding
DWR	Delta Levees Subventions Program	This program provides funding to local Reclamation Districts for levee maintenance activities. This funding ensures Delta Levees are maintained properly and can effectively protect delta islands from increased storm intensities and sea level rise.	Grant Funding
DWR	Dutch Slough Adaptive Management and Monitoring Program	This program assesses the ecological effectiveness of restoration activities, and to test hypotheses about marsh restoration, the results of which would inform the design, implementation, and management actions of future Delta tidal marsh restorations.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
DWR	Dutch Slough Tidal Marsh Restoration Program	This program is a large scale habitat restoration effort designed to restore ecological function of tidal marsh and a mosaic of other habitat types, protecting land that was once slated for development.	Stewardship of State-Owned Lands
DWR	Encroachment Permits	DWR's Encroachment Permits are required for activities along the State Water Project right-of-way, including construction, utility work, crossings, diversions, commercial filming, planting of vegetation, and certain types of farming activities.	Policies and Regulations
DWR	Flood Control Subventions Program	This program supports implementation of federally-authorized, locally-partnered, flood control projects and watershed protection flood prevention projects.	Grant Funding; Leveraging Funding and Finance
DWR	Flood Corridor Program	This program funds multi-objective, flood risk reduction projects that protect and restore floodplains and preserve or enhance wildlife habitat and agriculture.	Grant Funding
DWR	Flood Maintenance Assistance Program	Provide funding for Local Maintaining Agencies to supplement their maintenance budgets. This program promotes biodiversity through the support of environmentally permitted maintenance activities that protect and enhance riparian ecosystems.	Grant Funding
DWR	Flood-MAR Research & Data Development Plan	DWR's Flood-MAR Research and Data Development Plan contains 39 priority actions identified by the Flood-MAR Research Advisory Committee to support and expand the implementation of effective and efficient Flood-MAR projects. The plan promotes/accelerates implementation of Flood-MAR projects to help California adapt to the impacts of climate change.	Science, Research, Data, Analysis
DWR	Floodplain Management, Protection, and Risk Awareness Program	This program provides local assistance for flood risk reduction projects associated with flash flooding, mudslides, or stormwater flooding.	Grant Funding; Outreach, Education, Capacity and Technical Support
DWR	Greenhouse Gas and Subsidence Reversal Research Program	DWR's Greenhouse Gas and Subsidence Reversal Research Program, with academic institutions and other partners, measures and monitors greenhouse gas fluxes throughout the Delta – where oxidation of the highly organic peat soils annually releases approximately 2 million metric tons of carbon and results in land subsidence.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes
DWR	Long-term Habitat Management Program	This program monitors and maintains habitats created by the Delta Levees Program by partnering with local Resource Conservation Districts to maintain and improve riparian and marsh habitats to protect biodiversity across the Delta. This program also initiated a Delta-wide long-term, multi-taxa terrestrial biomonitoring program through UC Davis that informs sustainable land use practices while addressing stressors such as climate change, and also supports USGS tidal marsh evolution and climate change research for Dutch Slough Tidal Marsh Restoration.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes; Outreach, Education, Capacity and Technical Support; Stewardship of State-Owned Lands; Partnerships
DWR	Meadow Restoration Projects	DWR currently engages in meadow restoration projects in upper watersheds, but only on an occasional basis as opportunity presents and without programmatic funding or support.	Grant Funding; Partnerships; Outreach, Education, Capacity and Technical Support; Science, Research, Data, Analysis; Tracking action and Measuring Outcomes
DWR	Model Water Efficient Landscape Ordinance	Annual reporting is required of the cities and counties on implementation of Model Water Efficient Landscape Ordinance. Water efficient practices results in less water and energy use and enables adaptation to climate change through proper landscaping.	Policies and Regulations; Tracking Action and Measuring Outcomes
DWR	Multi-benefit Flood MAR pilot projects	The Flood-MAR Program is participating in a multibenefit recharge pilot project in Sacramento Valley resulting in groundwater recharge on agricultural lands, increase in migratory shorebird habitat, and reduction of flood risks. DWR is in conversations with regional agencies and NGOs for partnering on additional multi-benefit Flood-MAR pilot projects.	Partnerships
DWR	North Delta Program	The North Delta Program provides significant resiliency to climate change in the North Delta by restoring lands to natural habitat and tidal elevations while providing significant flood relief to upstream land owners.	Partnerships
DWR	Proposition 1 Integrated Regional Water Management Implementation Grant Program	This programs helps water infrastructure systems adapt to climate change, provides incentives for water agencies throughout each watershed to collaborate in managing the region's water resources and setting regional priorities for water infrastructure, and improves regional water self-reliance.	Grant Funding; Partnerships
DWR	Proposition 68 Sustainable Groundwater Management Implementation Grant Program	This program supports implementation of local and regional groundwater projects required to support sustainable groundwater management.	Grant Funding

Organization	Existing Effort	Short Description	Type of Effort
DWR	Regional Flood Management Planning	This effort is intended to provide meaningful engagement by the Regional Partners in the Central Valley Flood Protection Plan and maintain working relationships to develop a common understanding of regional flood issues and priorities and develop a plan that reflects the vision of local entities in reducing flood risks in their region. DWR has provided guidance as well as technical and financial assistance to local agencies to prepare regional flood management plans that formulate and prioritize the proposed projects and strategies in each region.	Grant Funding; Outreach, Education, Capacity and Technical Support
DWR	San Joaquin Fish Population Enhancement Program	This program provides funding for projects that enhance native fish populations in the lower San Joaquin River watershed and reduce vulnerability of native fishes to water diversions, predation, and other impacts to their populations within or upstream of the Delta.	Grant Funding
DWR	Senate Bill (SB) 5 (Machado, Chapter 364, Statutes of 2007)	Legislation mandated that all urban areas achieve 200-yr level of protection by 2025 and required DWR to develop the Central Valley Flood Protection Plan which includes the requirement to describe the probable impact of climate change on the flood risk reduction system and recommend improvements that provide adequate protection.	Legislative Directives
DWR	Small Community/Water System Water Shortage Contingency Plans	Every urban water supplier prepares and adopts a Water Shortage Contingency Plan as part of its Urban Water Management Plan. It is intended to guide actions during water shortage conditions.	Strategies and Plans; Science, Research, Data, Analysis
DWR	State Plan of Flood Control Inspection Program	This program inspects the flood systems of the SPFC. These are areas that the state owns easement to and could be a central component of climate smart land management in the Central Valley. Preventing encroachment makes future investment in these riparian areas easier to achieve.	Policies and Regulations; Stewardship of State-Owned Lands
DWR	Suisun Marsh Habitat Management, Preservation, and Restoration Plan	This Plan calls for 5,000 to 7,000 acres of tidal restoration and 40,000 to 50,000 acres of managed wetland enhancement to benefit wintering and breeding waterfowl. The goal of the plan is to achieve an acceptable multi-stakeholder approach to the restoration of tidal wetlands and the enhancement of managed wetlands and provide a regulatory framework for operations and maintenance activities on private and public land.	Strategies and Plans; Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support
DWR	Sustainable Groundwater Management Act - Regulations	DWR's regulatory oversight under SGMA includes: 1) Oversight of local Groundwater Sustainability Agencies formation, 2) Evaluation of Groundwater Sustainability Plans and Alternative submittals, and 3) collection and tracking of annual reports. Plans are required to address climate change conditions over the long-term in their planning efforts. In support of these regulatory actions, DWR also provides local agencies planning, technical, and financial assistance.	Policies and Regulations; Tracking Action and Measuring Outcomes
DWR	Sustainable Groundwater Management Act - Technical Assistance: Tools	DWR is providing several new tools to support SGMA implementation, including modeling the integration of surface water and groundwater to help water managers develop climate smart land management strategies.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support
DWR	Sustainable Groundwater Management Act - Technical Assistance: Data	DWR is providing several new statewide datasets to support SGMA implementation. These datasets are critical to assisting local, regional, State, and Federal agencies in making informed decisions regarding the current and projected conditions associated with climate change.	Science, Research, Data, Analysis; Tracking Action and Measuring Outcomes; Outreach, Education, Capacity and Technical Support
DWR	Systemwide Flood Risk Reduction Program	This program funds multi-benefit projects in the Central Valley by increasing flood capacity of the system and implementing complementary ecosystem restoration actions that further improve resiliency to anticipated climate change.	Grant Funding
DWR	Urban Flood Risk Reduction Program	The UFRR program provides the State's cost share for local agencies to construct flood risk reduction/climate change resiliency projects. It has been used to build climate resilience into flood risk reduction projects underway in the Central Valley.	Market Mechanisms
DWR	Urban Streams Restoration Program	This program provides funding for local communities for projects to reduce flooding and erosion and associated property damages; restore, enhance, or protect the natural ecological values of streams; and promote community involvement, education, and stewardship.	Grant Funding
DWR	Urban Water Management Planning Act	The California Water Code requires urban water suppliers to prepare an urban water management plan including a drought risk assessment and a water shortage contingency plan. Water suppliers have to consider climate change in their water use and water supplies projection.	Legislative Directives
DWR	West Delta Program	The West Delta Program develops large scale land use protection projects to ensure resiliency to climate change by converting agricultural lands on deeply subsided islands in the Sacramento-San Joaquin Delta into wetland restoration projects.	Stewardship of State-Owned Lands
Multiple Agencies	Assembly Bill (AB) 2470 (Grayson, Chapter 870, Statutes of 2018)	Assembly Bill (AB) 2470 (Grayson, Chapter 870, Statutes of 2018) established the Invasive Species Council of California to coordinate efforts to prevent invasive species introduction and advise efforts to control or eradicate such species.	Legislative Directives
Multiple Agencies	Assembly Bill 398 (E. Garcia, Chapter 135, Statutes of 2017)	Assembly Bill 398 (E. Garcia, Chapter 135, Statutes of 2017) made numerous important climate policy changes including but not limited to: the extension of California Air Resource Board's cap and trade system to 2030, and also required the CA Workforce Development Board to report to the Legislature on the need for increased education, career technical education, job training, and workforce development resources or capacity to help industry, workers, and communities transition to economic and labor-market changes related to specified statewide greenhouse gas emissions reduction goals	Legislative Directives
Multiple Agencies	California Wildfire and Forest Resilience Action Plan	The Wildfire and Forest Resilience Action Plan is designed to strategically accelerate efforts to restore the health and resilience of California forests, grasslands and natural places; improve the fire safety of our communities; and sustain the economic vitality of rural forested areas.	Strategies and Plans

Organization	Existing Effort	Short Description	Type of Effort
Multiple Agencies	CEQA Review - Lead Agency	The Lead Agency is the public agency that has the primary responsibility for carrying out or approving a project. To be a CEQA Lead Agency, the public agency must have discretionary authority over the proposed project. The Lead Agency also has the primary responsibility for determining what level of CEQA review is required for a project and for preparing and approving the appropriate document.	Policies and Regulations
Multiple Agencies	CEQA Review - Responsible Agency	A Responsible Agency under CEQA is a public agency with some discretionary authority over a project or a portion of it, but which has not been designated the Lead Agency. Responsible Agencies must independently review and approve the CEQA document.	Policies and Regulations
Multiple Agencies	Senate Bill (SB) 1260 (Jackson, Chapter 624, Statutes of 2018)	Senate Bill (SB) 1260 (Jackson, Chapter 624, Statutes of 2018) aimed to clear the path for more collaborative wildfire fuel reduction and prescribed burning projects to reduce the risk of catastrophic wildfire.	Legislative Directives
Ocean Protection Council	California Ocean Acidification Action Plan	This plan articulates a 10-year vision for addressing ocean acidification and a series of pragmatic actions to work towards that vision.	Strategies and Plans
Ocean Protection Council	Coastal Wetlands, Beaches, And Watersheds Inventory	The Ocean Protection Council and San Francisco Estuary Institute are partnering to create a coastal wetlands, beaches, and watersheds inventory. This effort will greatly improve the State's ability to identify and implement successful blue carbon projects, implement and track statewide restoration efforts, and understand habitat vulnerability to sea level rise.	Science, Research, Data, Analysis; Partnerships
Ocean Protection Council	Environmental License Plate Fund	This program funds research, planning and implementation projects that build climate change resilience for ecosystems and coastal communities.	Grant Funding; Science, Research, Data, Analysis
Ocean Protection Council	Once-through Cooling Interim Mitigation Funds	This program funds projects that advance restoration, outreach/education, enforcement/compliance, and research/monitoring to increase marine life associated with California's marine protected areas.	Grant Funding; Outreach, Education, Capacity and Technical Support; Science, Research Data, Analysis; Tracking Action and Measuring Outcomes
Ocean Protection Council	Proposition 1	This program supports multi-benefit ecosystem and watershed protection and restoration projects that provide improvements to coastal and ocean water quality.	Grant Funding
Ocean Protection Council	Proposition 68	This program supports research, planning, and implementation projects to improve marine ecosystem health and grants for research, planning, and implementation projects to build ecosystem and coastal community resilience to climate change.	Grant Funding; Science, Research Data, Analysis
OEHHA	CalEcoTox Database	CalEcoTox is an online database for use in ecotoxicological risk assessments. It is a repository of physiological and ecological parameters and toxicity data for more than 90 California mammals, birds, reptiles and amphibians.	Science, Research, Data, Analysis
OEHHA	CalEnviroScreen	CalEnviroScreen is mapping tool to identify California communities that experience the greatest impacts from pollution and vulnerability. The tool can help advance environmental justice in the land management arena by helping to identify locations where conservation efforts aimed at providing recreational opportunities can impact the most impacted communities.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support
OEHHA	Indicators of Climate Change in California	Indicators of Climate Change in California track trends in California's climate and impacts on physical environment, vegetation, wildlife and human health. Science-based metrics in the report inform land management and actions to protect plant and wildlife species from the impacts of climate change.	Science, Research, Data, Analysis
OEHHA	Pesticide Risk Assessment Program - Invasive Species	OEHHA provides scientific support to the California Department of Food and Agriculture's invasive species program by understanding the risk to humans and ecosystems of applying invasive species control agents. Invasive species control efforts not only benefit agricultural production, but also protect native species	Outreach, Education, Outreach, Education, Capacity and Technical Support; Science, Research, Data, Analysis
OEHHA	Site Risk Assessment Program	OEHHA provides technical consultation to the Regional Water Boards and local governments on the assessment of risks at sites undergoing soil and/or groundwater contamination cleanup. Certain sites are evaluated for impacts of the contamination on ecosystems, often as part of projects to restore the site for use as recreational or open spaces.	Outreach, Education, Capacity and Technical Support; Science, Research, Data, Analysis
Office of Exposition Park Management	2020 Exposition Park Master Plan	The plan plots a course for Exposition Park's development over the next 25 years. Each aspect of the plan was crafted with climate resiliency in mind, including installation of new active transportation infrastructure, installation of stormwater capture and reuse infrastructure, and planting of trees, shrubs and other plants that are native to the area and require lower amounts of water to maintain. Most significantly, the plan proposes to underground nearly all street level parking which will make room for acres of new open green space.	Strategies and Plans
Office of Exposition Park Management	Exposition Park Sustainability Strategy	The Office of Exposition Park Management contracted with an environmental consulting firm to develop a Sustainability Plan for Exposition Park. The plan analyzes Exposition Park's sustainability practices in the areas of energy, resource recovery, water, transportation, procurement and education/engagement. The Sustainability Plan will serve as a roadmap, detailing strategies and actions to set Exposition Park on a course for a more sustainable future.	Strategies and Plans; Equity
Office of Exposition Park Management	Grounds and Landscaping Services	The Office of Exposition Park Management contracts with a third party to manage the grounds and landscape services at Exposition Park. The contractor is required to adhere to all current executive directives related to water usage. Any new trees, shrubbery or other plants that are planted must be appropriate for the region and climate.	Stewardship of State-Owned Lands
OPR	CEQA Guidelines	The CEQA Guidelines are administrative regulations interpreting the CEQA statute and published court decisions. OPR also runs the State Clearinghouse which coordinates state level review of CEQA documents, and provides technical assistance to state and local government agencies. CEQA can help preserve agricultural lands and open space for growing food, for recreation, and for maintaining ecological biodiversity. It also facilitates conserving lands surrounding cities that make our communities safer and more livable, like important wildfire buffers, wetlands to prevent flooding, and green space to offset the heat and pollution generated by urban areas.	Policies and Regulations; Outreach, Education, Capacity and Technical Support

Organization	Existing Effort	Short Description	Type of Effort
OPR	Environmental Goals and Policy Report and State Planning Priorities (Government Code §65041)	Assembly Bill (AB) 2070 (1970) created the Governor's Office of Planning and Research and directed OPR to prepare and maintain an Environmental Goals and Policy Report. This report includes goals and objectives that focus on land use, population growth and distribution, conservation of natural resources, and air and water quality, as well as a discussion of programs and policies required to implement the state's environmental goals.	Legislative Directives
OPR	General Plan Guidelines	State law requires all counties and incorporated cities to adopt and maintain general plans that include various mandatory elements. Natural and working lands can be addressed in various elements.	Outreach, Education, Capacity and Technical Support; Policies and Regulations
OPR	Integrated Climate Adaptation and Resiliency Program	The Integrated Climate Adaptation and Resiliency Program coordinates regional and local efforts with state climate adaptation strategies to adapt to the impacts of climate change.	Legislative Directives; Partnerships; Outreach, Education, Capacity and Technical Support
OPR	Public Resources Code Section §21000 and following: California Environmental Quality Act	OPR and the Natural Resources Agency periodically update the guidelines for greenhouse gas emissions mitigation. OPR assisted the Natural Resources Agency in development of an amendment to Appendix G of the CEQA Guidelines to provide lead agencies an optional methodology to ensure that significant environmental impacts of agricultural land conversions are quantitatively and consistently considered in environmental review. Additionally, OPR and the United States Department of Agriculture assisted the Department of Conservation to develop a model land evaluation and site assessment system.	Legislative Directives; Outreach, Education, Capacity and Technical Support; Partnerships
OPR	Sentinel Landscape Application	OPR and the Trust for Public Land are applying for a Sentinel Landscape designation for a large area in Southern California to allow for increased federal funding and support for conservation and other projects within the landscape.	Science, Research, Data, Analysis; Partnerships; Leveraging Funding and Finance
OPR	Site Check Tool	Site Check is a web-based CEQA housing exemption mapping application. The primary function of the online tool is to help streamline housing development by informing developers and local jurisdictions of areas in the state that may be eligible for CEQA exemptions and streamlining based on existing law. It includes areas that have environmental constraints on them and for which further environmental review would likely be required if development were proposed in such areas: special habitats, wetlands, earthquake hazard zones, State conservancy boundaries, riparian areas, landslide hazards, wildfire hazard areas, and floodplains.	Policies and Regulations; Outreach, Education, Capacity and Technical Support
OPR	Vulnerable Communities Platform	OPR is coordinating the development of a Vulnerable Communities Platform, which will serve as an open and community-grounded mapping program to holistically identify the communities most vulnerable to climate impacts. By consolidating data and addressing current gaps, the Platform will provide an easily accessible foundation to consider, analyze, and prioritize resilience and adaptation actions, including nature-based solutions.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support; Equity; Tracking Action and Measuring Outcomes
OPR, CA Dept of Insurance	Risk Reduction and Analysis - Insurance	The California Department of Insurance and OPR are working together to understand if and how private insurance companies can include landscape-scale adaptation and risk reduction strategies in their risk analysis. This includes understanding how natural and working lands adaptation strategies may help reduce risks from climate-induced disasters.	Market Mechanisms; Partnerships
OPR, CAL FIRE, Board of Forestry	Wildland Urban Interface Best Practices Inventory	This inventory will contain best practices for planning, zoning, development review, and code enforcement to address and reduce wildfire hazards and risks related to planning and development activities in the Wildland Urban Interface.	Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support
OPR, GoBiz	Climate Catalyst Revolving Loan Fund	OPR and the Governor's Office of Business and Economic Development have collaborated on the creation of the Climate Catalyst Revolving Loan Fund, a financing mechanism housed at iBank that allows for government dollars to be used in loans and loan guarantees to leverage significant additional private funding for key climate projects, including climate-smart land management.	Market Mechanisms; Partnerships
OPR, SGC	State Planning Priorities	The State Planning Priorities, developed by the Legislature, prioritize infill development and equity, the protection of natural and working lands, and efficient development patterns overall. The Governor's Office of Planning and Research encourages local planning activities that are consistent with the State Planning Priorities by providing guidance, tools, and technical assistance.	Strategies and Plans
OPR, Strategic Growth Council, California Energy Commission, DWR, CNRA	California Climate Change Assessments	The California Climate Change Assessments fund research into a wide range of climate smart land management topics. The Fourth Assessment invested in research on the use of farm and rangelands to sequester carbon and the implications of climate change adaptation for agriculture, measuring forest carbon stocks and fuel treatment for forest resilience, the ecological impacts of climate change, ecosystem benefits of land acquisition in coastal California, and more.	Science, Research, Data, Analysis
Parks	Land and Water Conservation Fund Program	The LWCF is a state-administered local assistance program of the National Park Service. Projects under this program may include acquisition or development of outdoor recreation areas and facilities.	Grant Funding
Parks	Land Stewardship	The Department of Parks and Recreation (State Parks), manages 1.6 million acres of land across 281 parks in every region in the state. As a stewardship agency, State Parks works to restore degraded lands while managing its intact landscapes and extensive coastal holdings to be resilient to climate change impacts. State Parks' educational mission seeks to inspire and empower the public with knowledge about how to address the state's emerging climate challenges. Additionally, under AB 4211 (McCarthy, Chapter 238, Statutes of 2018), State Parks was required develop programs to restore public lands that use compost, co-compost, rice straw, and chemically fixed sewage sludge.	Stewardship of State-Owned Lands; Legislative Directives
Parks	Oceanography Research Program	This program supports applied scientific research on a variety of coastal and nearshore topics, including cliff bluff erosion, sea level rise, coastal flooding, beach erosion, and wave runup.	Science, Research, Data, Analysis
Parks	Public Beach Restoration Programs	This program funds beach nourishment projects to restore or widen beaches. Many projects are led and partially funded by the U.S. Army Corps of Engineers, with the State providing up to 85% of the local sponsor's required cost share.	Grant Funding; Leveraging Funding and Finance; Partnerships

Organization	Existing Effort	Short Description	Type of Effort
Parks	Redwoods Rising	Redwoods Rising is a partnership among Save the Redwoods, the National Parks Service, and State Parks to accelerate redwood forest recovery and help protect their remaining old-growth groves. Redwood National and State Parks are home to almost half of the world's remaining protected ancient old-growth redwood forests. These ancient redwoods store more carbon per acre than any other forests on Earth, and safeguard the tallest redwoods trees known to exist, as well as imperiled and rare plants and wildlife.	Stewardship of State-Owned Lands; Partnerships
Parks	Regional Park Program	The program will fund projects that create, expand, or renovate parks and park facilities.	Grant Funding
Parks	Rural Recreation, Tourism and Economic Enrichment Investment Program	The program will fund projects that provide new recreational opportunities in rural communities that have demonstrated deficiencies and lack of outdoor infrastructure in support of economic and health-related goals.	Grant Funding; Equity
Parks	Shoreline Erosion Control Program	This program supports strategic placement of sand or installation of hard structures like seawalls, groins, and rock revetments in concentrated areas to protect vital public infrastructure. Many projects are led and partially funded by the U.S. Army Corps of Engineers, with the State providing up to half of the local sponsor's required cost share.	Grant Funding; Leveraging Funding and Finance; Partnerships
Parks	Statewide Park Development and Community Revitalization Program	This program supports the creation of new parks and recreation opportunities in critically underserved communities.	Grant Funding; Equity
Parks	Wildfire and Forest Resilience	State Parks is working to scale up prescribed fire and fuels reduction on forested and other fire-dependent landscape. This effort will include a monitoring program to gather information on the ecological benefits of these practices.	Stewardship of State-Owned Lands; Tracking Action and Measuring Outcomes
Parks	Sea Level Rise Adaptation Strategy	State Parks has developed a Sea Level Rise Adaptation Strategy to provide a planning framework for improving coastal State Parks' resilience to sea level rise. The Strategy identifies key planning principles and articulates the need for a holistic integration of multiple resource types (e.g. natural resources, cultural resources, infrastructure) when planning for sea level rise.	Outreach, Education, Capacity and Technical Support; Strategies and Plans
Parks - Office of Historic Preservation	California Cultural Resources Climate Change Task Force	Led by the California State Office of Historic Preservation, with the participation of partner state agencies, the charge of this task force is to consider the intersection of cultural heritage and climate action to create mitigation and adaptation measures to advance the goals of the Paris Agreement. The first task is to catalogue all of the State government's climate ambition and conduct a Gap Analysis to better identify where cultural can play a role in actions for greater, multi-dimensional outcomes; as well as to employ culture as a tool to help with the necessary human behavioral changes.	Science, Research, Data, Analysis; Partnerships; Tracking Action and Measuring Outcomes
Parks - Office of Historic Preservation	Climate Vulnerability Index Assessment- Cultural Heritage CVI Project	This initiative is a partnership among the Office of Historic Preservation, the Scripps Institution of Oceanography, Native American Tribes and local communities to include cultural heritage values when assessing climate threats to sites. The approach aims to combine science and traditional cultural knowledge to help inform more holistic, integrated, and larger landscape approaches to steward natural, cultural, and human resources into the future.	Partnerships; Science, Research, Data, Analysis; Partnerships; Tracking Action and Measuring Outcomes
Parks - Office of Historic Preservation	Environmental Compliance	OHP reviews and comments on federal, state, and local projects. The purpose of OHP's project review program is to promote the preservation of California's heritage resources by ensuring that projects comply with federal and state historic preservation laws and that projects are planned in ways that avoid any adverse effects to heritage resources. If adverse effects cannot be avoided, the OHP assists project sponsors in developing measures to minimize or mitigate such effects.	Policies and Regulations
River and Mountains Conservancy	Prop 68 Technical Assistance Program	This program supports the development of urban recreation projects and habitat protection or restoration projects; provides workforce education and training, contractor, and job opportunities for disadvantaged communities; and create new partnerships to expand access to diverse populations the San Gabriel and Lower Los Angeles Rivers and Mountains area.	Grant Funding; Partnerships; Outreach, Education, Capacity and Technical Support; Equity
River and Mountains Conservancy	Proposition 1 Lower Los Angeles River Grant Program	This program supports reliable water supplies, the restoration of important species and habitat, and a more resilient and sustainably managed water infrastructure within the urban rivers region of the San Gabriel and Lower Los Angeles Rivers and Mountains area.	Grant Funding
River and Mountains Conservancy	Proposition 1/68 Small Grants Program	This program supports the development of urban recreation projects and habitat protection or restoration projects; provides workforce education and training, contractor, and job opportunities for disadvantaged communities; and create new partnerships to expand access to diverse populations the San Gabriel and Lower Los Angeles Rivers and Mountains area.	Grant Funding; Partnerships; Equity
River and Mountains Conservancy	Proposition 68 Lower Los Angeles River Grant Program	This program supports the development of urban recreation projects and habitat protection or restoration projects; provides workforce education and training, contractor, and job opportunities for disadvantaged communities; and create new partnerships to expand access to diverse populations the San Gabriel and Lower Los Angeles Rivers and Mountains area.	Grant Funding; Partnerships; Equity
River and Mountains Conservancy	Proposition 68 Regionwide Grant Program	This program supports the development of urban recreation projects and habitat protection or restoration projects; provides workforce education and training, contractor, and job opportunities for disadvantaged communities; and create new partnerships to expand access to diverse populations the San Gabriel and Lower Los Angeles Rivers and Mountains area.	Grant Funding; Partnerships; Equity
Rivers and Mountains Conservancy	Lower Los Angeles River Revitalization Plan	This Plan seeks to inspire local advocates and decision makers and serve as a guide for creating vibrant spaces in the Lower LA River corridor. Water and environment-related goals of the Plan include conserving and restoring natural river and watershed functions while managing flood risk, enhancing the long-term ecosystem services provided to surrounding communities, and mitigating climate changes and environmental impacts of urbanization.	Strategies and Plans
San Diego River Conservancy	Conserving land for habitat and recreation within the San Diego River Watershed	This program expands opportunities for recreation and protects habitat within the San Diego River watershed through land conservation projects that protect open space and reduce urban sprawl.	Stewardship of State-Owned Lands

Organization	Existing Effort	Short Description	Type of Effort
San Diego River Conservancy	Fire management through invasive plant removal and control	This program helps native species regenerate, improving watershed function and reducing the risk of subsequent fire in the San Diego River watershed.	Stewardship of State-Owned Lands
San Diego River Conservancy	Proposition 1 Grant Program	The program funds projects that demonstrate benefits to water quality, water supply, flood conveyance and/or ecosystem and watershed protection and restoration within the Conservancy's jurisdiction.	Grant Funding
San Diego River Conservancy	Proposition 68 grant program	The program supports projects that provide recreation, outdoor infrastructure and amenities, trails, community access, educational opportunities, water quality improvements; and projects that protect resources and restore native habitat to support wildlife corridors within the Conservancy's jurisdiction.	Grant Funding
San Joaquin River Conservancy	Proposition 1 Grant Program	The program supports projects that demonstrate multiple benefits to water quality, water supply, and/or ecosystem and watershed protection and restoration within the Conservancy's jurisdiction.	Grant Funding
San Joaquin River Conservancy	San Joaquin River Parkway Master Plan; San Joaquin River Habitat Restoration and Public Access	Grants are provided to implement the San Joaquin River Parkway Master Plan. Eligible projects include land acquisitions, habitat enhancements, public access and recreation projects, outdoor education facilities, and other capital improvements.	Grant Funding
Santa Monica Mountains Conservancy	Malibu Coastal Access Public Works Plan	This Public Works Plan directs development of 9 new and management of 10 existing coastal accessways to and along the 21-mile Malibu coast. Objectives include sea level rise vulnerability analyses and adaptation measures.	Strategies and Plans; Grant Funding
Santa Monica Mountains Conservancy	Malibu Equitable Coastal Campgrounds Public Works Plan	This Public Works Plan directs development of one new and management of one existing public campground for equitable lower cost coastal overnight accommodations along the 21-mile Malibu coast. Objectives include sea level rise vulnerability analyses and adaptation measures.	Strategies and Plans; Grant Funding
Santa Monica Mountains Conservancy	Proposition 1	This program supports multi-benefit ecosystem and watershed protection and restoration projects in the Santa Monica Mountains area.	Grant Funding
Santa Monica Mountains Conservancy	Proposition 68 Chapter 7	This program provides grants to protect and enhance and urban creeks in the Santa Monica Mountains area.	Grant Funding
Santa Monica Mountains Conservancy	Proposition 68 Chapter 8	This program funds projects in accordance with the Conservancy's governing statutes in the Santa Monica Mountains area.	Grant Funding
Santa Monica Mountains Conservancy	Propositions 1 and 68 SMMC Grant Guidelines	The adopted Grant Guidelines for projects include criteria with points awarded for carbon sequestration, greenhouse gas avoidance and reduction, and other climate resiliency features for projects.	Grant Funding; Outreach, Education, Capacity and Technical Support; Equity
Santa Monica Mountains Conservancy	Regional Forest and Fire Capacity Program	Collaborative plan for addressing fire threats to landscapes and structures in the SMMC/Rim of the Valley Zone while also identifying projects and actions for climate resiliency and protection of watersheds and biodiversity.	Strategies and Plans; Science, Research Data, Analysis; Outreach, Education, Capacity and Technical Support
Santa Monica Mountains Conservancy	Santa Monica Mountains Comprehensive Plan, Rim of the Valley Trail Corridor Master Plan, and Work programs	These foundational plans outline goals for protecting wildlife habitat linkages, open space acquisition, recreational trails, public access programs, river and stream protection/restoration, and nature parks within urban settings.	Strategies and Plans; Partnerships
Santa Monica Mountains Conservancy	Upper Los Angeles River and Tributaries Plan	This Plan identifies multibenefit restoration and improvement projects for the upper LA River watershed and along tributaries in the San Fernando Valley and Arroyo Seco.	Strategies and Plans
Sierra Nevada Conservancy	Sierra Nevada Watershed Improvement Program: Forest and Watershed Health Grant Program	This program supports the implementation of prescribed fire to improve watershed health, large-landscape planning projects for forest health, implementation of forest health planning projects, and projects that connect and serve underserved partners.	Grant Funding; Equity
Sierra Nevada Conservancy	Sierra Nevada Watershed Improvement Program: Resilient Sierra Nevada Communities Grant Program	This program focuses on projects that directly address the nexus among environmental, economic, and community needs. This may include a broad array of projects, such as the protection of public infrastructure from wildfire, workforce development through the implementation of natural resource management activities or the development of community resource facilities, or the implementation of climate adaptation initiatives.	Grant Funding; Equity
Sierra Nevada Conservancy	Southern Sierra All Lands Restoration and Recovery Program	This is an all-lands, coordinated adaptive management framework, developed to improve the health and resilience of the forests and watersheds of the southern Sierra Nevada.	Strategies and Plans; Partnerships
State Coastal Conservancy	Assembly Bill (AB) 109 (Ting, Chapter 249, Statutes of 2017)	AB 109 appropriated \$4 million to the Coastal Conservancy for the Climate Ready Program.	Legislative Directives; Grant Funding
State Coastal Conservancy	Assembly Bill (AB) 3012 (Gallagher, Chapter 657, Statutes of 2018)	This bill authorizes the State Coastal Conservancy to prioritize projects that maximize public benefits and that accomplish either of the following: (1) Reduce emissions of greenhouse gases, reduce hazards to harbors and ports, preserve and enhance coastal wetlands and natural lands, conserve biodiversity, and provide recreational opportunities, (2) Reduce flood risk and enhance fish and wildlife habitat, including multi-benefit projects that include beneficial reuse of sediment to enhance shorelines or ecosystems.	Legislative Directives; Grant Funding
State Coastal Conservancy	Assembly Bill (AB) 65 (Petrie-Norris, Chapter 347, Statutes of 2019)	This bill required the State Coastal Conservancy to prioritize projects that provide natural infrastructure and multiple public benefits when allocating funding from Proposition 68 for climate-related projects. It establishes the Conservancy's Climate Ready Program in statute.	Legislative Directives; Grant Funding
State Coastal Conservancy	Carbon Farming Plans	The State Coastal Conservancy is funding several Carbon Farm plans, mostly around the greater San Francisco Bay Area, but also including one project with the Pauma Tribe in San Diego.	Strategies and Plans; Science, Research Data, Analysis; Outreach, Education, Capacity and Technical Support; Grant Funding

Organization	Existing Effort	Short Description	Type of Effort
State Coastal Conservancy	Carbon Market	The State Coastal Conservancy (along with the Delta Conservancy and DWR) supported development of a voluntary protocol for tidal wetland carbon sequestration.	Market Mechanisms
State Coastal Conservancy	Carbon Market	The Conservancy has funded several redwood forest conservation projects that are now generating revenue by selling carbon credits.	Market Mechanisms; Grant Funding
State Coastal Conservancy	Climate Ready Grants - San Francisco Bay	This program seeks to encourage action to prepare for a changing climate by advancing planning and implementation of on-the-ground actions, including nature-based solutions, that reduce greenhouse gas emissions and lessen the impacts of climate change on communities and natural resources.	Grant Funding
State Coastal Conservancy	Coastal Resource and Public Access Program	This program supports projects that improve public access and outdoor recreation, as well as resource protection and enhancement.	Grant Funding
State Coastal Conservancy	Conserving California's Coastal Habitats: a Legacy and a Future with Sea Level Rise	Joint study led by The Nature Conservancy and the State Coastal Conservancy to assess California's coastal habitats vulnerability to sea level rise.	Partnerships; Science, Research, Data
State Coastal Conservancy	Regional Forest Resilience Plans	As a block grantee of the Dept. of Conservation, the State Coastal Conservancy is funding 5 subregional Forest Resilience Plans in the San Francisco Bay Area and Central Coast.	Strategies and Plans; Science, Research, Data, Analysis; Outreach, Education, Capacity and Technical Support; Grant Funding
State Coastal Conservancy	Senate Bill (SB) 1066 (Lieu, Chapter 611, Statutes of 2012)	SB 1066 gave the State Coastal Conservancy the authority to address the impacts of climate change on resources within its jurisdiction and to undertake projects to reduce greenhouse gas emissions and address impacts to coastal communities, infrastructure, and natural resources from extreme weather events, sea level rise, storm surge, beach and bluff erosion, salt water intrusion, and flooding.	Legislative Directives
State Coastal Conservancy	Senate Bill (SB) 576 (Umberg, Chapter 374, Statutes of 2019)	This bill established a Climate Ready grant program within the State Coastal Conservancy, defined "natural infrastructure" in the Public Resources Code, required the State Coastal Conservancy, when allocating Proposition 68 climate funds, to prioritize projects that use natural infrastructure; prioritize projects that provide multiple public benefits; and give consideration to projects in a variety of ecosystems along the coastline. This bill required the Ocean Protection Council to establish a coastal climate change adaptation, infrastructure, and readiness program that would identify and promote best climate adaptation practices in coastal areas in coordination with the State Coastal Conservancy and other specified state conservancies and state entities.	Legislative Directives; Grant Funding
State Coastal Conservancy	Southern California Wetland Recovery Project's 2018 Regional Strategy.	The Regional Strategy is a science-based plan that incorporates resilience to climate change and other stressors into quantitative objectives to guide wetland restoration in the southern California Bight for the next few decades.	Strategies and Plans; Partnerships
State Coastal Conservancy	The Baylands and Climate Change: Baylands Ecosystem Habitat Goals Science Update	This plan updated the 1999 Baylands Ecosystem Habitat Goals to incorporate understanding of climate change and sediment supply and projected changes through 2100. The plan generated new recommendations for achieving healthy baylands ecosystem for the San Francisco Bay estuary.	Strategies and Plans; Partnerships
Strategic Growth Council	Climate Change Research Program (CCR, AB 109)	This program funds applied climate research on a variety of topics, including natural and working lands. Ongoing research projects relevant to natural and working lands include projects evaluating the carbon sequestration potential of soil amendments, and creating data and tools for more effective forest management.	Grant Funding; Science, Research, Data, Analysis; Legislative Directives
Tahoe Conservancy	Climate Adaptation	The Conservancy will develop and seek endorsement for a list of priority adaptation projects in the California side of the Basin and support the creation of a north and south community & climate resilience hub in the Basin that incorporates state lands. Additionally, the Conservancy funds climate adaptation research that provides Basin specific climate change information to managers.	Strategies and Plans
Tahoe Conservancy	Community Forestry	The Conservancy manages thousands of acres of community forests in residential areas for reduction of wildfire risk, forest health, and habitat improvement. The Conservancy also partners with utility districts and private utility providers to protect critical infrastructure from the threat of increasing wildfires and other climate change impacts.	Stewardship of State-Owned Lands; Partnerships
Tahoe Conservancy	Forest & Watershed Health	The Conservancy restores the health and resilience of the Basin's forests and watersheds by working closely with Basin partners to plan and implement landscape scale restoration. Key Initiatives include: Upper Truckee Marsh Restoration Project, Lake Tahoe West Restoration Partnership, Greater Upper Truckee River Watershed Partnership, and the Tahoe-Central Sierra Initiative.	Stewardship of State-Owned Lands
Tahoe Conservancy	Lake Tahoe Basin Climate Adaptation Action Portfolio	Along with partners, the Conservancy is developing a Climate Adaptation Action Plan for the Lake Tahoe Basin. The plan will inform climate-smart action by synthesizing the growing scientific literature on the potential impacts of climate change on the Basin; identifying the natural resources, communities, and infrastructure most at risk; and providing a framework for integrating climate resilience into the Basin's planning and investment programs.	Strategies and Plans; Partnerships
Tahoe Conservancy	Lake Tahoe Forest Action Plan	This interagency Basinwide Plan was developed to respond to climate changes and build resilience and adaptability. The Plan supports completion and maintenance of all wildland-urban interface treatments and treatments for the protection of critical utilities.	Strategies and Plans; Partnerships
Tahoe Conservancy	Lake Tahoe West Restoration Partnership - Landscape Restoration Strategy	The Lake Tahoe Restoration Strategy (LRS) provides a multijurisdictional blueprint to restore 60,000 acres of federal, state, local, and private lands on the west shore of Lake Tahoe. The LRS outlines management actions that build ecosystem resilience, reduce the threat of catastrophic wildfire, and sequester and store carbon sustainably.	Strategies and Plans; Partnerships
Tahoe Conservancy	Land Management and Acquisition Program	Tahoe Conservancy acquires and manages sensitive lands for multiple public and environmental benefits. The program manages thousands of acres of community forests in residential areas for reduction of wildfire risk, forest health and habitat improvement.	Stewardship of State-Owned Lands

Organization	Existing Effort	Short Description	Type of Effort
Tahoe Conservancy	Livable Communities	The Livable Communities Program helps reduce greenhouse gas emissions by supporting equitable smart growth. The Program moves development rights from environmentally sensitive lands to town centers to increase climate resilience for natural communities interspersed within urban areas.	Leveraging Funding and Finance; Equity
Tahoe Conservancy	Multi-Jurisdictional Fuels Reduction Strategy	The Multi-Jurisdictional Fuels Reduction and Wildfire Prevention Strategy facilitates the strategic decisions to reduce the probability of climate change, drought, and bark beetle driven catastrophic wildfire in the Lake Tahoe Basin. It establishes a process for identifying and prioritizing projects that will have the greatest benefit for Lake Tahoe communities.	Strategies and Plans; Partnerships
Tahoe Conservancy	Prop 1 Grant Program	This program supports multi-benefit ecosystem and watershed protection and restoration projects.	Grant Funding
Tahoe Conservancy	Proposition 68 Grant Program	This program funds the stewardship of Conservancy lands and protecting Basin communities from wildfire, restoring the resilience of Basin forests and watersheds, providing public access and outdoor recreation for all communities, and fostering Basin wide climate adaptation and sustainable communities.	Grant Funding
Tahoe Conservancy	Recreation & Public Access	The Conservancy supports opportunities to enhance equitable access for all people to experience and enjoy Lake Tahoe beaches, rivers, wildlife, and mountains. The Conservancy works with Basin partners to provide new access points to natural areas, such as restoring Tahoe Pines, and develop the Greenway multi-use bike path which helps to reduce GHG emissions and traffic congestion from increasing visitor traffic.	Stewardship of State-Owned Lands
Tahoe Conservancy	Science and Lake Improvement Account Program	This program supports near-shore environmental improvement program activities and projects, particularly projects that manage aquatic invasive species or improve public access.	Grant Funding
Tahoe Conservancy	Tahoe Fire and Fuels Team	This program is a partnership of 20 fire, land management, and conservation agencies implementing the Lake Tahoe Basin Community Wildfire Protection Plan.	Partnerships
Tahoe Conservancy	Upper Truckee River Watershed Partnership	A collaborative interagency effort to restore the Basin's largest and most ecologically significant watershed.	Strategies and Plans; Partnerships
Tahoe Conservancy	Water Quality & Aquatic Invasive Species	The Conservancy works with Basin partners to implement the Aquatic Invasive Species Action Agenda to control and prevent aquatic invasive species. The program aims to increase the pace and scale of water quality improvement projects and aquatic invasive species control to combat lake clarity changes due to shifts in lake hydrology and temperature and the likelihood of increased aquatic invasive species growth with climate change.	Partnerships
Tahoe Conservancy, Sierra Nevada Conservancy	Tahoe-Central Sierra Initiative	A partnership with the Sierra Nevada Conservancy, USDA Forest Service, and others to restore 2.4 million acres across three national forests.	Partnerships
Wildlife Conservation Board	Assembly Bill (AB) 1183 (Ramos, Chapter 380, Statutes of 2021)	Assembly Bill (AB) 1183 (Ramos, Chapter 380, Statutes of 2021) established the California Desert Conservation Program to undertake a number of efforts including protecting, preserving, and restoring portions of the Mojave and Colorado Deserts, promoting the protection and restoration of desert biodiversity, and providing climate resilience in the region.	Legislative Directives
Wildlife Conservation Board	California Riparian Habitat Conservation Program	This program supports a coalition of state, federal, local and private organizations whose mission is to develop a coordinated approach to the protection of riparian ecosystems.	Grant Funding; Partnerships
Wildlife Conservation Board	California Streamflow Enhancement Program	Funding will be focused on addressing the objective of providing enhanced stream flow, especially in those streams that support anadromous fish; special status, threatened, endangered or at risk species; or provide resilience to climate change.	Grant Funding
Wildlife Conservation Board	Climate Adaptation and Resiliency Program	This program funds projects that provide climate adaptation and resilience on California's natural and working lands.	Grant Funding
Wildlife Conservation Board	Ecosystem Restoration on Agricultural Lands	This program funds projects that provide long-term habitat benefits for wildlife, consistent with landowner objectives, including economic sustainability, and have the potential for replication on a statewide scale.	Grant Funding, Partnerships
Wildlife Conservation Board	Forest Conservation Program	This program promotes the ecological integrity and economic stability of California's native forests through conservation, preservation, and restoration, including the conservation of water resources and natural habitat for native fish and wildlife and plants found on these lands.	Grant Funding
Wildlife Conservation Board	Habitat Enhancement and Restoration Program	This program provides assistance for the restoration and enhancement of fish and wildlife resources, including native fisheries restoration, restoration of wetlands, in-stream restoration projects, and other projects that improve the quality of native habitat.	Grant Funding
Wildlife Conservation Board	Inland Wetlands Conservation Program	The program protects, restores and enhances wetlands and associated habitats in the Central Valley.	Grant Funding
Wildlife Conservation Board	Land Acquisition and Habitat Enhancement and Restoration Program - Salton Sea and Colorado River	This program funds acquisition and habitat restoration projects associated with the Salton Sea and Colorado River region of California.	Grant Funding
Wildlife Conservation Board	Land Acquisition and Habitat Enhancement and Restoration Program - San Francisco Bay coastal wetlands and watersheds	The program funds acquisition and habitat restoration projects associated with the San Francisco Bay coastal wetlands and watersheds.	Grant Funding
Wildlife Conservation Board	Land Acquisition and Habitat Enhancement and Restoration Program - Southern California Coastal Wetlands and Watersheds	This program funds acquisition and habitat restoration projects associated with Southern California coastal wetlands and watersheds.	Grant Funding
Wildlife Conservation Board	Land Acquisition Program	This program acquires real property or rights in real property on behalf of CDFW and awards grants to other governmental entities or nonprofit organizations to acquire real property or rights in real property.	Grant Funding
Wildlife Conservation Board	Land Acquisition Program - Natural Community Conservation Plans	This program funds acquisition projects to assist with implementation of Natural Community Conservation Plans.	Grant Funding
Wildlife Conservation Board	Lower American River Conservation Program	This program supports the restoration, enhancement, interpretation, protection, and improvement of public access to the American River Parkway.	Grant Funding; Partnerships

Organization	Existing Effort	Short Description	Type of Effort
Wildlife Conservation Board	Monarch Butterfly and Pollinator Rescue Program	This program funds projects to recover and sustain populations of monarch butterflies and other pollinators, including restoration or enhancement of California prairie, restoration or enhancement of overwintering monarch butterfly habitat, technical assistance, and seasonal or temporary habitat improvements.	Grant Funding; Outreach, Education, Capacity and Technical Support
Wildlife Conservation Board	Oak Woodland Conservation Program	This program supports projects designed to conserve and restore oak woodlands. This program provides a mechanism to bring ranchers and conservationists together in a manner that allows both to achieve sustainable ranch and farming operations and healthy oak woodlands.	Grant Funding; Partnerships
Wildlife Conservation Board	Pacific Flyway	This program provides funding for the acquisition, development, rehabilitation, restoration, protection, and expansion of wildlife corridors and open space associated with the Pacific Flyway.	Grant Funding
Wildlife Conservation Board	Rangeland, Grazing Land and Grassland Protection Program	This program prevents the conversion of rangeland, grazing land, and grassland to nonagricultural uses; protects the long-term sustainability of livestock grazing; and ensures continued wildlife, water quality, watershed and open-space benefits from livestock grazing.	Grant Funding
Wildlife Conservation Board	Sierra Nevada and Cascade Mountains Upper Watersheds Program	This program funds the protection, restoration, and improvement of upper watershed lands in the Sierra Nevada and Cascade Mountains.	Grant Funding
Wildlife Conservation Board	Wildlife Corridor and Fish Passage	The program funds construction, repair, modification, or removal of transportation or water resources infrastructure to improve wildlife or fish passage.	Grant Funding