



BayCAN Members' Adaptation Project Matrix
NEW UPDATED Version 2.2 - February 2021

BayCAN's members are running hundreds of fabulous projects and programs to address sea level rise, wildfires, heat, drought and other climate impacts. This updated *BayCAN Members' Project Matrix* introduces you to many of the key projects currently underway (and a few that are planned) by our smart and hardworking members.

To get more information including links to the key staff involved, contact BayCAN: bruce@baycanadapt.org or yeshe@baycanadapt.org.

This is a living document. To add a project suggest edits, also contact BayCAN. We update the Matrix on a regular basis.

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Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
NORTH BAY BAYCAN MEMBERS								
Marin County	C-SMART Ocean Coast Adaptation Report	Built upon the Ocean Coast Vulnerability Assessment, the 2018 <i>Adaptation Report</i> examines a wide range of potential adaptation methods including protection, accommodation, relocation/realignment and hybrid that could be applied to respond to sea level rise hazards.	x					
Marin County	Stinson-Bolinas area Adaptation and Resilience Collaboration (ARC) (2021)	ARC is a community-scale adaptation planning process that will form the foundation for a long-term, implementable adaptation plan addressing critical infrastructure, natural resources and community assets and risks in the Stinson Beach-Bolinas area.	x		x			
Marin County	BayWAVE (2017) and C-SMART (2016) Sea Level Rise Vulnerability Assessments	Two major collaborative vulnerability assessments for the Marin coast (C-SMART) and the Marin bayside (BayWAVE) led by Marin County but a joint effort of County, cities, special districts and others. Both studies provide detailed assessments of their respective areas.	X					
Marin County	Highway 1 Corridor in Tam Valley Project	Caltrans grant funds were used to develop a Manzanita Flood Reduction Study with a suite of alternatives to reduce flooding near the Highway 101 and 1 area. This includes a new hydraulic model and survey work to enhance existing LiDAR data. Additionally, a new story map website will be launched in early 2021 with information about the sea level rise risks and improvements needed to adapt.	X					

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Marin County	City-County update of General Plan Safety Elements	AB 379 requires local governments to update their General Plan Safety Elements in specified ways. Marin's Towns, Cities and County will work together to collaborate and coordinate in doing fulfilling the Legislative requirement in a joint effort with the MCM LHMP.	?	?	?	?	?	
Marin County	The New Game of Floods (2020)	The Game of Floods gives players the chance to plan for sea level rise. PLAN - COOPERATE - ADAPT TO RISING TIDES	X					
Marin County	Multi-Jurisdiction Local Hazard Mitigation Plan	2018 Marin County Multijurisdictional (MCM) LHMP that includes all of the towns and cities within Marin. The County was awarded a FEMA Grant to update the MCM LHMP, the planning for which is already underway.	X	X	X	X		
Marin County	Adaptation Land Use Planning: Guidance for Marin County Local Governments (2019)	Adaptation Land Use Planning Guidance provides the pros and cons of different tools to address sea level rise and recommends baseline policies and an approach to adaptation planning. Using it now to build consensus with planning directors in 9 shoreline cities.	X					
Marin County	Sea Level Rise Adaptation Framework (2019)	Point Blue and the San Francisco Estuary Institute, in partnership with the County of Marin, developed this user guide to help planners and others to include nature-based strategies to address sea level rise hazards. The framework helps planners determine which nature-based measures are suitable given specific site conditions, and offers an approach for evaluating which combination of measures are the most appropriate to achieve desired outcomes.	X					

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Marin County	Transportation and Sea Level Rise Project	Using sea level rise to understand the countywide impacts of flooding on the community. Focused on impacts to transportation and emergency response. How SLR may change travel behavior or access to emergency services with focused look on impact at the community level (with census and other data). In 2021, staff will work with local DPWs to assess capital projects and develop project criteria for adapting flood-prone areas, increasing access on secondary routes, and working with emergency responders and transit to use this information for coordinated planning.	X		X		X	X
Marin County	McInnis Marsh Restoration	The McInnis Marsh project proposes to restore subtidal and intertidal habitat at an 180-acre area of diked wetlands within McInnis Park, home to protected species including black rail, Ridgway's rail, and salt marsh harvest mouse. It will also help protect McInnis Park golf course from sea level rise and maintain the San Francisco Bay Trail connection to Las Gallinas Valley Sanitary District.	X			X		X
Marin County	Climate Change and Health Report - Marin County (2017)	CDPH Cal-BRACE 36-page report on Marin County.					X	
Marin County	Tomales Bay and Stinson Beach SLR projects	A living shoreline study in Tomales Bay will identify potential locations for 2-5 living shorelines projects and provide conceptual drawing. A study at Stinson Beach will examine multiple dune configurations to determine the feasibility of protecting the beach with a more robust dune system.	X					

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Marin County	Bolinás Wye Wetlands Project	Bolinás project in design phase - The Bolinás Lagoon Wye Project is a SLR adaptation project that would restore and enhance Lewis Gulch Creek and over 20 acres of wetlands that have been impacted by roads and historical land activities that include ranching and logging. This will be done by removing and elevating roads, redirecting the creek into its historic wetland habitat, reconnecting former relic channels and creating a new channel (approx. 850 linear feet) to the lagoon, and removing non-native invasive species.	X			X		
Marin County	Deer Island Basin Tidal Wetlands Restoration project	Restoration project design for nearly 200 acres of wetlands adjacent to Novato Creek. The project is part of a larger effort to reconnect portions of the lower Novato Creek watershed to its floodplains. \$630,000 grant from SF Bay Restoration Authority (Round 1)	X			X		X
Marin County	Richardson Bay Beaches	Nature-based adaptation project designed to improve resiliency of the shoreline to increased wind and waves through beach design.	X					X
Marin County	Bothin Marsh SLR Adaptation Project	Marin County Parks and the Golden Gate National Parks Conservancy are partnering to develop a SLR adaptation project that utilizes nature-based adaptation strategies to address the risks and impacts of climate change and sea level rise to the Bothin Marsh Open Space Preserve and surrounding community. Currently the project is developing conceptual designs, as well as conducting community outreach.	X			X	X	X

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Marin County	Marin Wildfire Prevention Authority (2020)	Parcel Tax for Fire Preparedness passed March 2020 with 67.3% of the voters saying YES. Will produce nearly \$20 million per year for fire prevention activities in the county.			X			
Napa Sanitation District	Self-generated power for plant operations	60% of power needed for plant operations comes from solar and co-generation (co-digestion of wastewater solids with fats/oils/grease waste) - Self-generated power in PSPS demonstrated the co-benefits this approach, even if it costs more.						X
Napa Sanitation District	Napa Valley Drought Contingency Plan	The Napa Valley Drought Contingency Plan (DCP) is being conducted by a task force of Napa Valley water managers using a grant from the US Bureau of Reclamation's Drought Response Program. The DCP process prepares local agencies for drought and associated impacts in advance of a crisis. By prioritizing the development of projects and management response actions, the DCP assists local water managers and provides the tools for long-term drought resilience for the region's water supply.				X		
San Rafael	General Plan 2040	Major update integrates climate change all through different elements of the plan. Includes a SLR Overlay, Flood Risk & SLR Adaptation Report, a SLR Technical Guidance Study, and several programs and policies related to SLR. Final Draft out for public comment. Adoption scheduled for Spring 2021.	X	X	X	X		X
San Rafael	Resilience Hubs	Formed a city/community team that is looking at Resilience Hubs, particularly to serve immigrant populations. Co-sponsoring a regional Resilience Hubs training.	X	X	X	X	X	X

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San Rafael	Resilient by Design (2018)	RBD project in Canal District/Downtown with community organizations, consultant team and partners. Complete.	X					X
San Rafael	Climate Action Plan 2030	CAP adopted in Spring 2019 primarily focused on mitigation. Includes section on adaptation with commitment to major adaptation plan that builds on BayWAVE and LHMP.	X	X	X	X		X
San Rafael	Climate Action Website	Overall website for climate action focused on community taking action.	X	X	X	X		X
San Rafael	Adaptation Web Pages	Six sections on City website devoted to adaptation and resilience.	X	X	X	X	X	X
San Rafael	Canal Adaptation Planning	Working with two primary CBO's in Canal Neighborhood to develop a community adaptation plan in conjunction with a neighborhood specific plan that also focuses on housing.	X	X	X	X	X	X
Sonoma County Regional Climate Protection Authority	RCPA Strategic Plan (2019)	16-page document outlines RCPA's strategies for 2020-2025 including a section on Resilience.	X	X	X	X	X	X
Sonoma County Regional Climate Protection Authority	Climate Ready Sonoma County: Climate Hazards and Vulnerability (2014)	80-page assessment of climate impacts in Sonoma County. Assessing interest and availability of resources to support an update to the report.	X	X	X	X		

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Sonoma County Regional Climate Protection Authority	BayREN Water Upgrades Save Program	RCPA now running this on-bill program regionwide. Program provides financial incentives for individuals to improve water efficiency in homes.				X		
Sonoma County Regional Climate Protection Authority	Sonoma Office of Recovery and Resiliency	Office created by Sonoma County after North Bay firestorms to provide coordination, chart progress, etc. Includes Recovery and Resiliency Framework, approved in December 2018			X			
Sonoma County Regional Climate Protection Authority	Urban Land Institute Resilience Advisory Services Panel	With support from the Kresge Foundation, the Sonoma County Regional Climate Protection Authority, City of Santa Rosa, and County of Sonoma have invited the Urban Land Institute (ULI) to assemble a Sonoma County Resilience Advisory Services Panel. The purpose of the advisory services panel (ASP) is to assess land use, development, and local energy grid strategies in relation to community preparedness and wildfire and economic resilience. The panel will take place in April or May 2021.			X			
Sonoma County Regional Climate Protection Authority	Sonoma Climate Mobilization Strategy	RCPA is developing a new strategy to achieve a goal of carbon neutrality for Sonoma County by 2030. The strategy addresses decarbonization, sequestration, resilience and adaptation, and community engagement and equity.	X	X	X	X		X

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Sonoma Water	<u>Atmospheric Rivers Project</u>	Sonoma Water is leading the regional Advanced Quantitative Precipitation Information (AQPI) project with NOAA, USGS, Scripps and others to create much-improved short-term forecasts for AR events so water managers and emergency managers can address flood and water supply issues. Partner water management agencies include SFPUC, Santa Clara Valley Water District, EBMUD, and others.	X			X		
Sonoma Water	<u>Forecast Informed Reservoir Operations (FIRO)</u>	This research in partnership with CW3E, NOAA (NWS, OAR, NMFS), DWR, USACE, and BOR, has led to development by Sonoma Water of a model that helps inform reservoir operators at Lake Mendocino in response to forecasted precipitation. This enables operation of Lake Mendocino for improved flood, ecosystem and water supply management to provide for more flexible and adaptive management of this facility. The new program allowed the US Army Corps of Engineers to save water in Lake Mendocino this fall and winter, reducing the immediate impact of the current dry conditions.	X			X		
Sonoma Water	<u>Wildfires Watersheds & Water Supply</u>	Sonoma Water is working with organizations throughout the county to protect watersheds and water supply from wildfire impacts. Includes fire cameras, water quality monitoring, monitoring for flash floods and debris flows, and public outreach and communication.			X	X		

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Sonoma Water	FireSmart Lake Sonoma	Building resiliency for source water protection. First phase included partnership with Ag Innovations on a large, multi-stakeholder project funded by PG&E Resilient Communities grant. Included substantial community and stakeholder engagement, capacity building, toolkit to help other communities build fire resilience. Second Phase includes partnership with North Sonoma County Fire, UCCE, Sonoma County Transportation and Public Works, and the Center for Social and Environmental Stewardship funded by a CAL FIRE grant. Includes Community Wildfire Protection Plans, defensible space inspections, roadside fuel reduction, defensible space demonstration projects, outreach and education, and a GIS-based fire risk reduction planning tool for landowners.			X	X		
Sonoma Water	Decision-support Tool for Fire Risk Reduction and Resilience	The County of Sonoma received settlement funds from PG&E following the 2017 Sonoma Complex Fires. A portion of that settlement will be used by Sonoma Water to lead a team of scientists, modelers, fire professionals, conservation organizations, and other stakeholders to create a transparent, science-based decision-making tool to prioritize locations for vegetation management for fire risk reduction. This tool will eventually be used by public and private users to find locations in the one-million-acre county where various fire risk reduction activities could benefit public safety, water supplies, habitat, forest health, built environment (telecommunications, utilities, communities, etc) and other priorities. Partners on this effort include the County of Sonoma, various fire districts, UC Cooperative Extension, Sonoma County Ag + Open Space District, Conservation Biology Institute, Pepperwood Foundation and others.						

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Sonoma Water	Climate Adaptation Plan	Sonoma Water is preparing a Climate Adaptation Plan to (1) assess climate risks to water supply, wastewater, and flood protection infrastructure and operations; (2) develop and evaluate adaptation strategies; and (3) create a roadmap that incorporates climate resilience into future infrastructure investments and operational changes.	X	X	X	X	X	X
Sonoma Water	<u>Sonoma County Climate Resilience Team</u>	Sonoma Water is a co-founder (with RCPA, Pepperwood Preserve, USGS, Earth Knowledge and the North Bay Climate Adaptation Initiative) of this public-private coalition to accelerate climate action across sectors.	X	X	X	X		
CENTRAL BAY BAYCAN MEMBERS								
Alameda (city)	<u>Northern Shoreline Adaptation Project</u>	In preliminary stage of the northern shoreline adaptation project as cited in Climate Action and Resiliency Plan (area is the shoreline behind the Posey & Webster Tube Portals, within current flood zone, and additional area to address a future sea level rise scenario). Currently putting together preliminary design for use in seeking grant funding. City is actively seeking grant funding to further design and outreach for the project.	X					

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Alameda (city)	Climate Action & Resiliency Action Plan (2019)	Comprehensive 2019 plan (approved in September 2019) that updated 2009 plan and includes major section on adaptation. 1 st annual report to council with online dashboard due this Spring. Working on communications and urban forestry plans.	X	X	X	X	X	
Alameda (city)	Social Vulnerability Assessment: APPENDIX G	Part of the climate action plan process - building on the ABAG Stronger Housing, Safer Communities Project (EQ and flood).	X	X	X	X	X	
Alameda (city)	Community Engagement Process for CAP	Extensive public engagement process – to supplement community meetings, used OpenGov’s Open Town Hall tool.	X	X	X	X	X	
Alameda (city)	Groundwater and SLR study	Creating localized model of water table and risks from SLR that will be released in the Spring.	X					
Alameda (city)	Water Quality and Flood Protection Fee (2019)	New parcel tax based on amount of impervious surface to fund improvements and maintenance for stormwater system. Approved by voters in 2019.	X					
Alameda (city)	General plan	Updating General Plan: Land Use and Mobility Elements revised to consider climate impacts, and Conservation section rewritten as Conservation and Climate Action Element	X	X	X	X		

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Alameda (city)	Emergency Operations Plan	In the process of updating to include communications, logistics and facilities for extreme heat and smoke events, and emergency care for vulnerable populations.		X	X			
Alameda County	Wildfire Smoke Resources	Including cross-agency Air Quality Communications Protocol , Community Engagement report , and Wildfire Smoke, COVID-19 and Your Health FAQ for residents in six languages with mask info, and more. For COVID-19 testing sites, food distribution sites, and other services, the county created guidelines for keeping staff and recipients healthy during smoke conditions.			X		X	
Alameda County	PSPS and Fire Materials	Alameda County produced “Unhealthy Air Quality Resources” including Wildfire Smoke FAQs and Alameda County Public Health “PSPS Guidance October 2019” For next PSPS, Alameda County is conducting outreach to residents dependent on energy for medical devices and equipment to promote enrollment in PG&E’s Medical Baseline PSPS Notification Program. Contact acsustain@acgov.org for social media-ready images in English and Spanish, and find flyers here in English and Spanish .			X		X	
Alameda County	Series of Adaptation Planning Workshops	Developed a workshop model to convene internal partners and “mainstream” adaptation projects, used for heat and fire. Updated Workshop Guide includes strategies to collaborate across agencies and integrate equity. Template agendas and more also available.		X	X		X	

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Alameda County	CHARG - Coastal Hazards Adaptation and Resilience Group	Alameda County Flood Control is a founder and key leader in this Bay Area network. CHARG has produced the Sea Level Rise Resiliency Map . CHARG has completed a Connectivity Assessment to identify hydraulic connectivity between San Francisco Bay shoreline jurisdictions. CHARG is conducting a regional coastal riverine flooding study to determine what happens when rivers flood from extreme rain events and coastal waters are high due to tides, storm surge and sea level rise.	X					
Alameda County	Cooling Our Communities (2020)	2019-20 heat preparedness program, funded by a Coastal Conservancy grant, for communities of Ashland, Cherryland, Hayward Acres, and San Lorenzo. Objectives include community education, tree planting, and building community capacity to develop resilience. Developed heat and health pocket guide in 6 languages.		X			X	
Alameda County	Flood Control & Groundwater Study	Looks at climate events causing waterways that lead to SF Bay to get backed up, including groundwater impacts. To be done mid-2020. Also, NEW map of every Alameda County watershed .	X					
Alameda County	Climate Action Strategy Update	Beginning process to update 2010 (operational) and 2014 (community) Climate Action Plans to a new strategy or strategies including wildfire, heat, equity, COVID-19 recovery, green economy, and other key issues. The 2014 CCAP will be revised to align the County's GHG emission reduction goals with recent state goals and to outline a course of action to reduce community-wide greenhouse gas (GHG) emissions to ensure the County can meet the revised goals.	X	X	X	X	X	

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Alameda County	General Plan Revisions	<p>Environmental Justice Element: Updating the County’s Ashland Cherryland Community Health and Wellness Element to become an SB1000 compliant environmental justice element. The element will address topics including addressing the disproportionate impacts of climate change on low-income communities in the unincorporated area.</p> <p>Safety Element Revision: To comply with Senate Bill 379 (2016), the County will revise the General Plan Safety Element to address climate adaptation and resilience. The process will include preparation of a vulnerability assessment; adaptation and resilience goals, policies, and objectives; and implementation measures.</p>	X	X	X	X	X	
Alameda County	Heat Vulnerability Map (in progress)	GIS story map intended to help city/county staff and community organizations to identify where areas of increased heat (as demonstrated by a recent heat wave) intersect with where residents may be particularly vulnerable to heat due to social, health, and environmental factors. The map shows layers of publicly available data at the level of census tracts, across Alameda County, and composites them into an overall heat vulnerability index. Not yet published; will look similar to this example from Denver.		X				

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Alameda County	Vulnerability Assessment	High-level first-pass research project to identify potential areas to look at further. Incorporates indicator data and public sector manager assessments in sectors of economy, energy, land use, natural environment, public health and emergency response, telecommunications, transportation, water. In progress. Using indicators developed for the EPA METRO tool ; first county (vs. city) to use this tool. The focus is on systems needed to support human health, safety, and well-being; Not a comprehensive study of all impacts on residents.					X	X
Alameda County	Cleaner Air Center Survey for Cities	Developed simple survey tool with key items for cities to consider when identifying whether an existing cooling center may be suitable as a cleaner air center		X	X		X	
Alameda County	Local Hazard Mitigation Plan (2016)	Includes climate hazards when assessing risks posed by natural and human-caused disasters. Interactive hazard maps include wildfire and sea level rise.	X	X	X	X	X	
Alameda County	COVID and Climate Articles	Categorized collection of articles and links regarding connections between climate and coronavirus, being kept by Office of Sustainability. Viewers can suggest additions.					X	X
Berkeley	Local Hazard Mitigation Plan (2019)	New 2019 LHMP Includes substantial climate adaptation info. Includes 5-year Mitigation Strategy which outlines a wide variety of funded and unfunded actions to reduce hazard vulnerabilities.	X	X	X	X	X	

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Berkeley	Berkeley Resilience Strategy (2017)	56-page report outlines comprehensive plan for resilience and equity through 6 goals (including climate adaptation) and a series of actions to meet those goals under the Rockefeller-funded 100 Resilient Cities program. Included extensive public engagement.	X	X	X	X	X	
Berkeley	Vision 2050 (2020)	Launched by Mayor Arreguin, a citizen committee developed a framework for a 30-year sustainable infrastructure plan that is climate-smart and technologically advanced. They are now working on implementation and financing plans.	X	X	X	X	X	
Berkeley	Berkeley Ban on Natural Gas (2020)	Berkeley's ordinance, which went into effect on January 1, 2020 bans gas hook-ups in new multi-family construction, with some allowances for first-floor retail and certain types of large structures. 1 st city in the country to take this action.						X
Berkeley	Existing Building Electrification Strategy (2021)	Berkeley's consultants are developing a report on how to equitably transition the existing building stock in Berkeley from natural gas to 100% clean energy.						X
Berkeley	Marina Sea Level Rise Study	Conducting sea level rise study per AB 691 for the Marina.	X					

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Berkeley	Transfer Tax Rebate (in progress) with proposed Resilient Homes Equity Pilot Project	Council proposed expanding the existing seismic property transfer tax rebate program to cover other sustainability, electrification and resilience improvements like fire hardening. In July 2020 staff submitted a report and also proposes to create a Resilient Homes Equity Pilot Project to provide resources to low income homeowners and renters for similar home improvements. Pending budget approval from Council.	X					X
Berkeley	Equitable Community-Driven Adaptation Planning Guide (2017)	68-page guide for local governments developed by Raimi and Associate for USDN and used by Berkeley in an all-day workshop with Movement Strategy Center and Raimi for city staff and BayCAN members.	X	X	X	X	X	
Berkeley	Electric Mobility Roadmap	The vision for the 78-page Electric Mobility Roadmap is to create a fossil fuel-free transportation system that integrates with and supports the City's ongoing efforts to increase walking, biking, and public transportation use in Berkeley, and ensures equitable and affordable access to the benefits of clean transportation. The Roadmap identifies a total of 23 strategies and 58 actions under four goals: Ensure Equity in Access to Electric Mobility (2) Improve Alternatives to Driving (3) Achieve Zero Net Carbon Emissions (4) Demonstrate City Leadership. Plan was passed in 2020.						X

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Berkeley	Community Resilience Centers	Launched in 2016, Berkeley’s CRC Program’s goal is to enhance the resilience of the people of Berkeley by strengthening the organizations they depend on day-to-day and providing disaster preparedness outreach and training through organizations they know and trust. CRC organizations agree to host trainings and participate in disaster preparedness-related events that are customized to fit their audiences. In return for hosting training they receive a cache of emergency supplies to help them serve their community following a disaster. Berkeley is expanding the program to provide similar benefits to Apartment Resilience Centers (ARCs) for low-income apartment buildings.			X			X
Berkeley	Grant to Plant 500 Trees in South and West Berkeley	Berkeley was awarded a grant from the California Natural Resources Agency to plant 500 trees in disadvantaged neighborhoods in South and West Berkeley.		X				X
Berkeley	Aquatic Park Tide Tubes Rehabilitation Project	The five tide tubes that connect the Aquatic Park Main Lagoon to the San Francisco Bay are significantly clogged with marine growth and sediment, leading to: a) the reduced exchange of water between the SF Bay and the main lagoon has impaired water quality; and b) the lagoon floods during storms because storm water enters the lagoon rapidly during storms, but takes weeks to slowly drain to the Bay. The City has a project to do a study and clean out the tubes.	X					
CASA - Community Action for Sustainable Alameda	Emergency Preparedness Programs	CASA is working with communities at the neighborhood scale to be self-reliant by developing emergency preparedness programs.	X	X	X	X	X	

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Central Contra Costa Sanitary District	Update Climate Resiliency Evaluation from 2017 Comprehensive Wastewater Master Plan	Comprehensive Wastewater Master Plan update will include evaluation of sea level rise and flood issues. Since Central San's service area is primarily inland, sea level rise protection only appears to be an important consideration for certain facilities near the Suisun Bay shoreline such as pump stations and pipelines.	X					
Central Contra Costa Sanitary District	Walnut Creek/ Grayson Creek Levee Raising Project with Flood Control District	Central San has joined with the Contra Costa County Flood Control and Water Conservation District to implement the Walnut/Grayson Creek Levee Raising Project to raise the levees along Grayson and Walnut Creeks to provide three feet of freeboard, which will protect the site from a 500-year storm event. Central San is also coordinating with the Flood Control District on another nearby flood control project - Lower Walnut Creek Restoration Project - which includes habitat restoration, enhancement, improved flood control, and resiliency to sea level rise and storm events.	X					
East Bay Dischargers Authority (EBDA)	Oro Loma Horizontal Levee Project	EBDA, Oro Loma, Save the Bay, UC Berkeley and other partners converted a 10-acre field along the Bay's edge into an 8 million gallon holding basin connected to a pilot-scale Horizontal Levee. Research continues at the site. The newest project is evaluating the efficacy of the Horizontal Levee for removing contaminants from reverse osmosis concentrate. This current effort is part of the Transforming Shorelines project. The site is available for additional pilot projects and research through partnerships.	X					

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East Bay Dischargers Authority (EBDA)	Transforming Shorelines (in progress)	EBDA is part of a team led by the San Francisco Estuary Partnership focused on facilitating multi-benefit projects along the San Francisco Bay shoreline that provide resilience to sea level rise, improve water quality, and restore and protect habitat. The project received a grant from the Environmental Protection Agency's San Francisco Bay Water Quality Improvement Fund . EBDA's focus is on two projects: The First Mile Horizontal Levee Project and the Hayward Natural Treatment System Feasibility Study. The goal of the First Mile Project is to design and seek permits for a full-scale Horizontal Levee in the EBDA service area near Oro Loma Marsh. The Hayward Feasibility study will evaluate nature-based solutions for sea level rise protection and water quality improvement at the Hayward Oxidation Ponds.	X					
EBMUD	Water Conservation Strategic Plan	Updating this 2011 plan as part of drought preparedness; target completion schedule is Spring 2021.				X		
EBMUD	Sustainability and Resilience Policy	Guidance for EBMUD operations and development adopted by EBMUD's board in 2018 and updated in 2020. It is the policy of the EBMUD to provide reliable, high-quality drinking water and wastewater service through sustainable and resilient planning, design, and construction, operations, maintenance, rehabilitation, and disposal activities that manage long-term economic, environmental, and human resource benefits.				X	X	X
EBMUD	Sea level rise design guidelines for facilities	Creating SLR guidelines for EBMUD infrastructure.	X			X		

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EBMUD	Climate Action Plan	https://www.ebmud.com/files/6416/1178/0828/Climate-Action-Plan-2021-WEB.PDF In January 2021 the District published a Climate Action plan that summarizes current and future efforts to adapt to and mitigate the impacts of climate change, including the goal of reaching carbon neutrality for the water system by 2030, developing additional renewable energy projects, and expanding the number of low- and zero- emission vehicles in the District's fleet.	X	X	X	X	X	
EBMUD	Water Supply Management Program 2040	The program estimates EBMUD's water supply needs over a thirty-year planning horizon and proposes a diverse portfolio of policy initiatives and potential projects to ensure that those needs can be met in dry years.				X		
EBMUD	PSPS activities	Developed GIS mapping tool so that the water operations team can communicate with field staff in real time – to see which pump stations are out of power. Established a comprehensive strategy for pre-season deployment of back-up power at critical facilities to keep the water system running during PSPS events.			X	X		
Livermore	Climate Action Plan	Update to 2012 CAP in progress. The updated CAP will cover mitigation and adaptation.	X	X	X	X	X	
Livermore	Building electrification reach code	Early phases of building electrification reach code						X

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Livermore	Google Environmental Insights Explorer Tools	Partnership with Google to develop spatial tools on their Environmental Insights Explorer tool. Current datasets include emissions from buildings, emissions from transportation, and rooftop solar potential. Tools under development include tree canopy map and air quality map. Early discussions of a pilot project to attach Google air quality sensors to City's fleet.		X	X		X	
Livermore	Soil carbon farming	Early discussions with Stopwaste and LARPD about soil carbon farming program in Livermore/Livermore-owned grazing land in County				X		X
Livermore	Solar and battery backup for critical facilities	Early discussions/analysis with EBCE to install solar and battery backup on critical facilities (community center, fire stations, police stations, etc).		X	X			X
Oakland	Sea Level Rise Road Map (2017)	Part of the Resilient Oakland project for the 100 Resilient Cities the 68-page Road Map builds on the findings from previous studies by BCDC and MTC, as well as other work carried out by the City and community organizations, to document existing conditions, set forth potential actions to address these conditions, and continue focus on this critical area of the City's resilience.	X					
Oakland	Resilient Oakland Playbook	Strategy document developed to help the City tackle systemic and structural challenges. The playbook outlines ways to work together to help the community can stay rooted, ensure equitable access to quality education and develop good jobs, stable housing, public safety and vibrant streets.	X	X	X	X	X	

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
Oakland	Oakland 2030 Equitable Climate Action Plan	Adopted by Council July 2020, the 2030 ECAP establishes actions that the City and its partners will take by 2030 to equitably reduce Oakland’s climate emissions and adapt to a changing climate.	X	X	X		X	X
Oakland	Local Hazard Mitigation Plan & Climate Risk / Adaptation Plan	Oakland is updating its LHMP on an expedited timeline - completion expected 3/31/21. Building on the LHMP, and per the 2030 ECAP, in the next 1-3 years Oakland will start work to create a Climate Vulnerability Assessment & Comprehensive Adaptation Plan. This plan will involve substantial community engagement, and will also leverage the General Plan update process, which will be happening around the same time.	X	X	X	X	X	X
Oakland	Resilience Hubs	Using the framework developed by USDN, Oakland has started work to develop an internal definition of a Resilience Hub sited in or at municipal facilities.	X	X	X	X	X	X
San Francisco	Hazards and Climate Resilience Plan (2020)	San Francisco’s blueprint to better understand and address the impacts of both sudden and slower moving disasters on our assets and our people. It identifies the hazards, vulnerabilities, and consequences the city can expect to face without action and proposes over 90 strategies to mitigate risks and adapt to unavoidable climate impacts. The HCR is the update to the 2014 Hazard Mitigation Plan and is one of the key implementation plans for the Community Safety Element of the San Francisco General Plan. It also complements the City’s Climate Action Plan, a roadmap for eliminating greenhouse gas emissions in order to minimize the severity of climate-related hazards.	X	X	X	X	X	

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
San Francisco	Guidance for Incorporating Sea Level Rise into Capital Planning Updated guidance (and important docs) are here; https://onesanfrancisco.org/sea-level-rise-guidance	37-page 2015 document includes a checklist to guide departments in addressing sea level rise in their capital planning projects. Updated in 2020.	X					
San Francisco	Embarcadero Sea Wall Program (In progress)	The Port is leading this massive citywide effort to strengthen the 100-year-old Embarcadero Seawall to address seismic issues and sea level rise to create a more sustainable and resilient waterfront. One of the largest projects in the Bay Area and California. Expected to cost \$5 billion. Project has now been expanded to cover entire 7-mile waterfront.	X					
San Francisco	Extreme precipitation modeling and projections (in progress)	Working with LBL and Silvestrum on a project to model extreme precipitation events using historic storm data in combination with dynamically downscaled climate projections	X			X		
San Francisco	San Francisco Climate & Health Profile – (2015)	44-page report prepared by SF Department of Public Health with a Center for Disease Control (CDC) grant, identifies local health impacts from climate change, highlights populations and locations that are especially vulnerable, and paves the way for public health adaptation strategies.		X			X	

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
San Francisco	Heat Vulnerability Assessment and Story Map (2019)	Interactive story map illustrates a recent assessment conducted by the Department of Public Health that examines how extreme heat impacts public health.		X			X	
San Francisco	Mainstreaming climate exposure evaluation	Project led by the Water Utility Climate Alliance (WUCA) with the San Francisco Public Utilities Commission and Denver Water piloting an approach to mainstream climate adaptation by considering potential climate change impacts on core water utility business functions (i.e. Health and Safety; Watershed management; Business Services).			X			
San Francisco	Water Supply Long Term Vulnerability Assessment	Developing long-term vulnerability assessment for Hetch Hetchy Regional Water System, the San Francisco Public Utilities Commission's water supply system.				X		
San Leandro	Climate Action Plan Update (in progress)	CAP 2.0 process in development, aiming for completion in spring 2021.	X	X	X	X	X	
San Leandro	Resilience hubs	Partnering with NorCal Resilience Network and a number of other agencies for a community partner capacity building program around resilience hubs. Funded by USDN grant.	X	X	X	X	X	
San Leandro	Street tree planting	Working with CBOs on street tree planting, funded currently by CARB grant.		X			X	

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
San Leandro	Integrated Treatment Wetland and Sea Level Rise Project	SF Bay Restoration Authority \$539,000 grant for 4-acre project to convert a wastewater storage basin to an integrated treatment wetland, habitat restoration and sea level rise project. Currently design completion estimated for spring/summer 2021 and installation in 2022.	X					
San Leandro	Microgrid at Water Pollution Control Plant	Solar array installed last year at the water pollution control plant. Currently in design phase for battery backup.				X	X	
San Leandro	Food for San Leandro Families	Emergency distribution of groceries and food for families, started before COVID. Aiming to expand in the coming year with other partners and investigate community garden locations.					X	
San Leandro	Digital inclusion study	Currently doing needs assessment to understand what gaps residents are experiencing. This will be paired with expansion of the existing fiber optic network when needs are understood.						X
SOUTH BAY BAYCAN MEMBERS								
Palo Alto	2020 Sustainability and Climate Action Plan	2021-22 workplan in process. Includes seven priority areas including sea level rise. Aims to reduce GHG emissions by 80% by 2030 from 1990 levels. For more information visit cityofpaloalto.org/sustainabilityplan	X	X	X	X	X	

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
Palo Alto	Sea Level Rise Adaptation Policy	Completed.	X					
Palo Alto	Sea Level Rise Vulnerability Assessment and Plan.	In process. Public meetings run from March through December 2021. Goal is to have Council accept the Sea Level Rise Adaptation Plan in December 2021. See cityofpaloalto.org/sealevelrise for more information.	X				X	X
Palo Alto	Horizontal Levee Pilot Project	This project aims to restore historic transitional habitat along the Bay's shoreline, provide a transitional ecotone slope to keep pace with some sea level rise, and provide data for larger flood protection levee improvements. Project anticipates permitting and final design in 2022 and construction 2023.	X					X
Palo Alto (lead is Valley Water)	Flood Basin Tide Gate Repair	This project, led by Valley Water, will repair the Palo Alto Flood Basin tide gate and will consider sea level rise adaptations in the design.	x					
Valley Water	Levee Improvements	Project alternatives from SAFER are now under consideration by the Valley Water Shoreline Phase II project.						
Palo Alto	Regional water Quality Control Plant (RWQCP) Secondary Outfall Project.	This project provides maintenance for the existing 52-year old outfall pipe, pump replacement for effluent discharged to Renzel Marsh, and reliable transport of treated wastewater effluent under projected climate change and sea level rise scenarios.	x				x	

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
Palo Alto	One Water Plan	Embarking on a “One Water” planning effort which will incorporate all potable and non-potable water supply options with dry year availability as a key criteria.				x		
Palo Alto	Northwest County Recycled Water Strategic Plan	In partnership with Valley Water, completed Northwest County Recycled Water Strategic Plan for expanding production and regional use of recycled water.				x		
Palo Alto	Advanced Water Purification System	Designing onsite advanced water purification at Palo Alto wastewater treatment plant to reduce recycled water salinity.				x		
Palo Alto	Regional Recycled Water Program	Currently produces and provides recycled water to Palo Alto and Mountain View facilities.				x		
San Mateo County	Flood and Sea Level Rise Resiliency Agency	New agency covering 20 cities –first of its kind in the Bay Area – to deal with sea level rise through a countywide approach. The agency will consolidate the work of the SMC Flood Control District (FCD) and Flood Resiliency Program (FRP) and initiate new countywide efforts to address sea level rise, flooding, coastal erosion, and large-scale stormwater infrastructure improvements through integrated regional planning, project implementation, and long-term maintenance.	X					

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drough t	Health	Other
San Mateo County	Climate Ready San Mateo County	Local governments, non-profit and community-based organizations, businesses, and other partners are working together as the Climate Ready San Mateo County (SMC) Collaborative. Have held four major workshops on key topics. The Collaborative fosters collaboration and collectively finds solutions to climate change challenges in San Mateo County including wildfire, extreme storms, heat, sea level rise, etc. with overlays for social vulnerability, public health and transportation.	X	X	X	X	X	
San Mateo County	San Mateo County Bayside Wetlands Vulnerability Assessment	Point Blue, in partnership with local stakeholders, is quantitatively evaluating the broader ecosystem functions and services of tidal marshes along San Mateo County baylands, and modeling how services are projected to change with sea level rise.	X					
San Mateo County	East Palo Alto and Dumbarton Bridge Resiliency Study (in progress)	SB1 grant with BCDC to conduct assessment of East Palo Alto and the area around the west end of Dumbarton Bridge.	X					

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drough t	Health	Other
San Mateo County	Pilot Projects for Community adaptation planning (2019)	<p>As part of the SB1 grant, the County supported two pilot projects: Half Moon Bay received support to partner with Ayundando Latinos A Soñar (ALAS), Senior Coastsiders, and Youth Leadership Institute (YLI) of San Mateo to increase involvement and input from typically underrepresented populations in their Climate Action and Adaptation Planning process. The project also aims to build capacity of underrepresented community leaders to encourage participation in future planning efforts.</p> <p>The East Palo Alto Community Vulnerability Adaptation Planning Project, empowered socially vulnerable communities in East Palo Alto to respond to climate change and sea level rise. The project built the capacity of key community leaders and stakeholders in sea-level rise vulnerability planning and facilitated identification of preliminary community-defined priorities and adaptation strategies. This ongoing effort is coordinated by Acterra with leadership from East Palo Alto Climate Change Community Team and involves several community organizations including Youth United for Community Action, Anamatangi Polynesian Voices, and Nuestra Casa.</p>	X					
San Mateo County	Coyote Point Vulnerability Assessment and Adaptation Plan	The County and the City of San Mateo are working on a vulnerability assessment and adaptation plan for Coyote Point, a park and recreation area on the Bay that sits within the City of San Mateo's boundaries and where the County of San Mateo is the primary landowner.	X					

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
San Mateo County	San Francisquito Creek JPA	<p>5 agencies from two counties—Palo Alto, Menlo Park, East Palo Alto, the County of San Mateo, and the Santa Clara Valley Water District—joined together over 20 years ago to create the San Francisquito Creek Joint Powers Authority (SFCJPA).</p> <p>The SFCJPA has developed a regional comprehensive plan for both the waters that flow into San Francisquito Creek and onto San Francisco Bay (its watershed) and the waters that threaten local communities from the Creek and from Bay tides (floodplains). The JPA is working on four projects to protect communities from extreme storms, tides and sea level rise.</p>						
City of San Mateo	2020 Climate Action Plan	Officially adopted by council. Focuses on GHG reduction.	X	X	X	X	X	
City of San Mateo	The Clean Water Program	A comprehensive plan to upgrade aging wastewater collection and treatment system with advanced infrastructure and create long-term benefits. This joint effort with City of Foster City aims to enhance reliability of the collection and treatment system, increase capacity to manage heavy flows, comply with regulations, produce better-quality treated water, while aligning with the City’s sustainability goals. Given the location of the proposed new WWTP, it was also important to consider sea level rise scenarios in the design.	X			X		

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
Santa Clara County	Silicon Valley 2.0 Climate Change Preparedness Decision Support Tool	On-line tool to understand and identify, climate change vulnerabilities and economic risk posed to infrastructure assets, and prioritize resilience planning within Santa Clara County and its individual jurisdictions. The tool is being updated to better inform decision makers in preparing for and responding to different climate stressors, including adding new fact sheets, a climate change impacts page and also a social vulnerability index.	X	X	X	X	X	
Santa Clara County	Community Climate Action Plan (CCAP)	Kicked off development of the CCAP in September 2020. Includes a GHG emissions inventory and forecast, climate relationship map, GHG emissions reduction measures, and community outreach and engagement. Estimated completion is early 2022.	X	X	X	X	X	
Santa Clara County	Climate Relationship Map	An online interactive tool that will provide a catalog of climate action/adaptation activities being undertaken by cities and organizations in Santa Clara County. Will help identify where the County can complement, support and lead.	X	X	X	X	X	
Santa Clara County	Planning for Climate Change and Health	A CDPH case story of Santa Clara County's Public Health Department					X	
Santa Clara County	Sustainability Master Plan (SMP)	The Office of Sustainability published the County's Sustainability Master Plan in January 2021. The plan includes several goals and targets that address climate action, resiliency, and public health, among others. The County will be tracking our progress on these goals and targets through the SMP Dashboard, which will be available to the public by March 2021.	X	X	X	X	X	X

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
Santa Clara County	National Fish and Wildlife Foundation (NFWF) Grant for Sea Level Rise and Flooding Resiliency Strategy	The County received a grant from NFWF in November 2019 and will use it to build capacity and develop a Santa Clara County Resiliency Strategy to address sea level rise and flooding concerns in the County.	X					
Santa Clara County	County Collaborative	The NFWF grant funds will also be used to convene a regional Collaborative of partners and stakeholders in Santa Clara County to build capacity and political will for coordinated policy and project solutions and actions to increase community, economic, and ecological resiliency. The Collaborative will integrate learning and sharing of data, information, and best practices, as well as inform solutions, project coordination, and decision-making.	X	X	X	X	X	X
Santa Clara County	Wildfire, Smoke, Heat - After Event Convening with County Depts	Convening with County departments to discuss past climate and wildfire events and identify what worked and did not work, lessons learned, any resource needs, and what we could do differently during future climate events.		X	X		X	
Santa Clara County	Santa Clara Valley Urban Forestry Alliance	The Alliance will support regional urban forestry stakeholders in bringing jurisdictions together, capitalizing on regional commonalities and strengths, and working towards setting and achieving common goals in urban forestry, providing a platform to identify and share regional urban forestry resources and strengths.		X			X	

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
Santa Clara County	Santa Clara County Tree Planting and Stewardship Program	The County has committed \$1.4 million to partner with local urban forestry non-profits to fund the planting of 1000 trees per year, for the next three years and to complete urban forestry outreach and education programs. This will also include development of a planting plan that will support informed prioritization for planting in underserved areas that need trees the most.		X		X	X	
Santa Clara County and Partners	South Bay Salt Ponds Restoration Project	The South Bay Salt Pond Restoration Project is the largest tidal wetland restoration project on the West Coast. When complete, the Project will restore 15,100 acres of industrial salt ponds to a rich mosaic of tidal wetlands and other habitats. Includes \$7.4 million grant from SF Bay Restoration Authority (Round 1).	X					
Santa Clara County	Santa Clara Valley Agricultural Plan	The Plan is an innovative approach to agricultural preservation that will reduce future conversion of local farmland and the associated increase in greenhouse gas emissions while growing a vibrant local food economy that contributes to our quality of life and regional resilience.						
Santa Clara County	Agricultural Resilience Incentive (ARI) grant program -	The County in 2019 allocated \$220,000 to implement this first-of-its-kind program, and in 2020 will launch in the coming months and incentivize tens of thousands of metric tons of carbon sequestration, while improving soil health, climate resilience, and farm viability.						
Santa Clara County	Climate action planning and natural and working lands grants	The County in 2019 received three grants from the state Department of Conservation, to integrate natural and working lands with climate action planning						

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drough t	Health	Other
SFO	Shoreline Protection Program –	A multi-year \$587 million program to address SFO's risk of flooding, both storm related and from future sea level rise. Phase I was a feasibility study, including an assessment of the Airport's existing shoreline protection, a vulnerability assessment, a seismic performance evaluation, a limited bathymetry and wave modelling study, and development of proposed possible perimeter protection solutions for consideration. Phase II included further development of recommendations to a conceptual design level including a ranking matrix. The study also developed cost estimates and program schedules for SFO capital planning. The California Environmental Quality Act (CEQA) process was initiated with the release of a Notice of Preparation of an Environmental Impact Report (EIR) in November 2020. A Draft EIR is anticipated by the end of 2021.	X					
ALL-REGION BAYCAN MEMBERS								

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
Bay Area Clean Water Agencies (BACWA)	Watershed Nutrient Reduction Study —	<p>As part of the 1st Nutrient Watershed Permit, BACWA members funded a 4-year study on the feasibility and cost of reducing nutrient loads to the Bay from wastewater treatment plants. One part of the study looked at treatment plant susceptibility to sea level rise. That study resulted in maps showing all the Bay Area treatment plants and projecting if and when over the next 100 years they would be susceptible to having their facilities impacted by sea level rise.</p> <p>The 2nd Nutrient Watershed Permit went into effect in July 2019. The permit requires a special study to investigate the feasibility and costs to implement nature-based solutions (i.e. wetlands, horizontal levees) that, if implemented, could have multiple benefits beyond just reduction of nutrients (i.e. coastal resiliency, sea level rise protection, habitat creation, etc.). This study would be completed by 2024.</p>	X	x	x	X		
Bay Area Clean Water Agencies (BACWA)	Regionwide survey of member agencies on climate change assessments	BACWA is collaborating with the Regional Water Board on a region-wide POTW survey to obtain information on the status of agencies' climate change vulnerability assessments. The survey will collect information on agencies' planned responses to SLR, rising groundwater, extreme weather, and drought.	X	X	X	x		
Breakthrough Communities	Climate Justice Report (2017)	The report presents frontline stories from the Climate Justice movement in California, focusing on the Bay Area's Six Big Wins Coalition.						

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
Greenaction for Health and Environmental Justice		<p>Working on a project with BCDC and the Department of Water Resources and community groups, as well as climate and environmental justice groups.</p> <p>Greenaction brings awareness of the challenges between the effects of climate change, sea-level or water-level rise, shoreline communities and contaminated lands, and works with regulatory agencies to improve their environmental and climate justice policies and practices.</p> <p>We are a multiracial grassroots organization founded by, led by, and working with low-income and working class urban, rural, and indigenous communities to fight for environmental justice and build a clean, healthy and just future for all.</p>	X					
NorCal Resilience Network	Resilience Hubs	NorCal Resilience is building a network of grassroots community resilience practitioners around Northern California. In 2020, partnering with USDN to support Resilience Hubs around the Bay Area.	X	X	X	X	X	
Nuestra Casa	Housing and climate change	Nuestra Casa’s housing-focused programs in East Palo Alto and surrounding communities build leaders who transform the local community and are actively engaged in our local economy, school district, and civic life. Nuestra Casa’s mission it to uplift Latino families in East Palo Alto and the mid-peninsula through community education, leadership development, and advocacy.						

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
PG&E	Regional climate vulnerability assessments (in progress)	PG&E has selected the Bay Area as the first of five regions to be evaluated as part of a climate vulnerability assessment, which will be completed and submitted to the CPUC in June 2024. Technical analysis is ongoing, and community engagement is expected to occur in 1Q2021	X	X	X	X	X	
PG&E	Community Wildfire Safety Program 2020 Wildfire Mitigation Plan	PG&E will submit its 2021 WMP in February 2021. The annual WMP is the compendium of PG&E activities to address the risk of wildfire as a result of utility infrastructure. A link to the new program document will be provided when available.			X			
San Francisco Estuary Institute (SFEI)	SF Bay Shoreline Adaptation Atlas	The OLU Project (funded by the Regional Water Quality Control Board) defined practical, science-based landscape units surrounding the shoreline to facilitate a geographically-specific set of integrated adaptation strategies at the appropriate scale to address issues of both the natural and built environment. These strategies include structural and nonstructural measures that address ecosystem, flood risk management, water quality, land-use planning, and social equity goals.	X					

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drought	Health	Other
The Nature Conservancy	Strategies for Implementing Nature-based Climate Solutions at Scale in California	TNC is working to broaden discussion around nature-based climate strategies in and beyond California. This work includes stakeholder outreach on both science and policy levers surrounding nature-based climate strategies in California. TNC has also started to host a series of statewide roundtable discussions on nature-based climate solutions. These roundtable events seek to gain perspective from the ground-up on nature-based solutions and barriers to their implementation, integrating feedback from landowners, business stakeholders, local governments, and others. The events are being held across the state and will continue throughout 2021.	X	X	X	X	X	
The Nature Conservancy	Disaster resilience, climate resilience and climate mitigation	TNC is exploring the ways that risk transfer mechanisms, including insurance products, can be used to help strengthen adaptation efforts and protect communities in the face of disasters.	X		X			
The Nature Conservancy	Urban greening, urban reforestation and nature-based climate mitigation	TNC is using science and policy to develop strategies for accelerating urban reforestation and other greening efforts in urban areas. New science being done at TNC and elsewhere has drawn connections between carbon sequestration, tree canopy cover, income, and urban heat island effects that are expected to intensify with climate change. Spatial data and science can be used to help prioritize front-line communities in mitigating urban heat island effects with trees and urban greenery. TNC is continuing to build on this science and explore policy strategies to accelerate tree planting in affected urban areas.		X			X	

Who	What	Description	SLR/ Flood	Heat	Fire	Water/ Drough t	Health	Other
World Institute on Disability	Emergencies, Disasters and Climate Resilience	WID works a range of partners on climate-related issues. The frequency, intensity, and magnitude of disasters and public health emergencies are rapidly increasing due to both climate and non-climate driven causes, resulting in a disproportionate impact on people with disabilities worldwide.	X	X	X	X	X	